

ŠIBENIK UNIVERSITY OF APPLIED SCIENCES
Professional undergraduate study of Nursing

Trg Andrije Hebranga 11
22000 Šibenik
Croatia



Šibenik, July 2024

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SYLLABUS
PROFESSIONAL UNDERGRADUATE STUDY
OF NURSING

Academic year 2024/2025

Dean of Šibenik University of Applied Sciences

Ph.D Ljubo Runjić, college prof.

Head of Department of Health Studies
Vesna Bušac, MSN, lecturer

Šibenik, July 2024

Professional undergraduate study in Nursing, Šibenik University of Applied Sciences is awarded with 180 ECTS credits that are earned through enrolled courses. When enrolling in the academic year, the student enrolls in compulsory subjects and optional subjects, the total sum of which is 30 ECTS points per semester and respectively 60 ECTS points per year, according to the Study Regulations at the Šibenik University of Applied Sciences.

Acquisition of ECTS points

A student can earn ECTS points for subjects he/she enrolls in – compulsory and optional, by writing a final paper, attending practical classes, and other activities provided for in the study program. Load coefficients, expressed in ECTS points, become earned points only after passing the exam, or other requirements fulfilled in accordance with the curriculum.

Enrollment in higher study year

A student enrolls at least 60 ECTS credits in one study year. A student acquires the right to enroll in a higher study year if, by the enrollment deadline, he/she has properly fulfilled all obligations from the study program that he/she undertook by enrolling in the previous year of study and passed exams in subjects that, according to the point system and determined by the study program, enable him/her to enroll in the higher year of study. Students who, in the current academic year, took an exam in front of the teaching committee (commission) and did not meet the conditions for a positive evaluation (passed the exam), have the obligation to re-enroll, listen, and regulate the obligations for that course. Students enroll higher study year if they have within the previous study year acquired minimally 50 ECTS points and in the way that from the previous study year they enroll all unpassed subjects and at least 60 ECTS credits from higher study year.

Repeating a year with the possibility of partially enrolling in subjects from a higher study year

Students have the right to repeat a study year with partial enrollment in subjects from a higher study year under the following conditions:

- Partial entry of subjects from the second (2) year of study if they have at least 30 ECTS in the first (1) study year
- Partial entry of subjects from the third (3) year of study if they have at least 30 ECTS in the second (2.) study year

Partial enrollment of courses is carried out in such a way that the student enrolls all unpassed courses from the previous academic year, as well as certain courses from a higher study year. The total number of ECTS points when repeating the year with the possibility of partial enrollment is a minimum of 50 ECTS points, and a maximum of 60 ECTS points.

Repeating the year

Student who has not acquired the right to enrollment in higher study year is obliged to enroll the repetition of the study year in the next academic year.

Completion of study

Professional undergraduate study ends with passing of all exams from the enrolled subjects, fulfilling other obligations, and preparing and defending the Final Thesis. Before submitting the Final Thesis for assessment and defense, the student must pass all subjects.

1. REQUIREMENTS AND RESULTS OF STUDY PROGRAM

After completing their studies and acquiring knowledge, students acquire the professional title of bachelor's degree in nursing, i.e., the competences of a nurse for general health care, which entails:

- knowing human health and the influence of physical and social environment,
- knowing nature and ethics of the profession and general principles of health and healthcare,
- appropriate clinical experience - which should be acquired under the supervision of qualified nursing staff and in places where the number of qualified staff and equipment are adequate for the health care of patients,
- ability to participate in the practical training of health personnel and experience in working with these personnel,
- experience in common work with members of other professions in health sector.

Upon completion of the studies, bachelor's degree holders will have the competences to perform all the tasks of a professional bachelor's degree in nursing (nurses for general health care). The study program and its learning outcomes are aligned with Directive 2005/36 EC [1] and Directive 2013/55EU, which refers to amendments to Directive 2005/36/EC on the recognition of professional qualifications [2].

After completed study bachelors will be trained to perform the following jobs and tasks from the scope of their work - health care. They will be competent (have competences) for:

- implementation of nursing practice based on knowledge of Informatics, physiology, biology, biophysics, public health, pathology, pathophysiology, pharmacology and microbiology and other biomedical fields, then statistics and informatics necessary for defining, analysis and proposing procedures in biomedicine and healthcare
- application of professional, ethical and legislative regulations in the field of health care while respecting the principles of holistic nursing care
- assess the condition of the patient/client using all tools and aids, including all factors (physical, social, cultural, psychological, spiritual and environmental)
- data collection, recognition and interpretation of patients' conditions that deviate from normal, and based on the collected data, assessment and establishment of nursing diagnosis

- planning, application and evaluation of appropriate and individualized health care in cooperation with the patient/client, caregivers, family and other health professionals and team members
- providing health care aimed at meeting basic human needs to patients/clients of all ages with various health problems, taking into account cultural, social and economic aspects
- critical judgment, evaluation and interpretation of scientific evidence when introducing it into practice in order to ensure high-quality care
- organization and carrying out diagnostic tests and therapeutic procedures independently or in a team
- recognition of life-threatening conditions and implementation of interventions in accordance with competencies
- education and undertaking activities aimed at preserving the health, well-being and comfort of individuals, families, groups and communities whose health is threatened by illness, damage or death
- creation activities and participation in procedures/actions in promotion of health and protection against illness of the individual, family and community
- monitoring human growth and development through all life cycles in health and illness and undertaking activities that contribute to their improvement.
- application of skills and techniques of appropriate communication in the native or foreign language in education of individuals, families and community and on occasions of cooperation with others member teams
- assessment of needs and active participation in different projects with goal of improving and ensuring standards of nursing practice with continuous evaluation, and for rational management of material and non-material resources
- participation in the education of nurses and other health professionals/ and/or associates
- application of modern information and communication technology in written, spoken and electronic form

2. LEARNING OUTCOMES OF PROFESSIONAL UNDERGRADUATE STUDY OF NURSING

Learning outcomes (LO) of the Professional Undergraduate study program Nursing at the Šibenik University of Applied Sciences in the academic year 2024/2025 are:

Outcome 1 - Understand basic knowledge of anatomy, physiology, biology, biophysics, public health, pathologies, pathophysiology, pharmacology and of microbiology and other biomedical fields, then statistics and informatics necessary for defining, analyzing and proposing procedures in biomedicine and healthcare

Outcome 2 - Know the professional, ethical and legislative regulations for the implementation of health care according to the principles of holistic nursing care

Outcome 3 – Comprehensively assess the condition of the patient/client, using appropriate aids, taking into account all factors (physical, social, cultural, psychological, spiritual and environmental)

Outcome 4 – Collect data, recognize and interpret condition of the patient if it deviates from normal and based on the collected data, assess and establish a nursing diagnosis

Outcome 5 - Plan, apply and evaluate appropriate and individualized health care in cooperation with the patient/client, caregivers, family and other health professionals and team members

Outcome 6 - Provide health care aimed at meeting basic human needs to patients/clients of all ages with various health problems, taking into account cultural, social and economic aspects

Outcome 7 - Critically judge, evaluate, interpret professional knowledge in the implementation of health care in order to ensure high-quality evidence-based care

Outcome 8 - Organize and carry out diagnostic and therapeutic procedures independently or in a team.

Outcome 9 - Recognize life-threatening conditions and intervene in accordance with competencies.

Outcome 10 – educate, improve and support preservation of health, benefits and comfort of the individual, family, group and community whose health is threatened by illness, injury or death.

Outcome 11 - Design and participate in activities in promotion of health and protection from diseases of individuals, family and community

Outcome 12 - Follow growth and development of individuals through all vital cycles in health and diseases and undertake activities that contribute to improvement.

Outcome 13 - Apply the skills and techniques of appropriate communication in the native or

foreign language in education of individuals, families and community and on occasion cooperation with others member teams.

Outcome 14 – Assess needs and participate in various projects with the aim of improvement and provision of standards in nursing practices with continuous evaluation, managing material and immaterial resources.

Outcome 15 – Participate in education of medical nurses and other health employees/ and/or associates.

Outcome 16 – Use modern information and communication technology in written, spoken and electronic form.

3. LIST OF TEACHERS ON THE PROFESSIONAL UNDERGRADUATE STUDY IN NURSING

NAME AND LAST NAME OF THE TEACHER	TEACHING COURSE	CONTACT E- MAIL	CONSULTATIONS
<i>Employees at Šibenik University of Applied Sciences</i>			
Ivan Livaja	Informatics in health cares	ivan.livaja@vus.hr	Cabinet 18 Tuesday 08:30-09 :30
Ivan Kardum Goleš	English language I English language II	ivana.kardumgoles@vus.hr	Dean's office (3rd floor) Monday 11:00-12 :00
Sanja Veštic Mirčeta	Protection of patients' rights in the healthcare system	sanja.vestic@vus.hr	Cabinet 15 Tuesday 11:00-12:00
Vesna Jurin Bakotić	Social and health legislation	vesna.jurin_bakotic@vus.hr	Cabinet 19 Tuesday 12:00 h or by agreement
Nikolina Gaćina	Dietetics	nikolina.gacina@vus.hr	Cabinet 2 Friday 09:00-11 :00
Vesna Bušac	Process of nursing I Process of nursing II Organization, management and administration in nursing care Clinical practice in nursing care II	vesna.busac@vus.hr	Cabinet 16 Wednesday 13:00-14 :00
Ana Žepina Puzić	The process of nursing care I The process of nursing care II Nursing care of adults I/I Nursing care of adults I/II	anazepina@vus.hr	Cabinet 16 Thursday 13:00-14 :00
Andrea Vukša	Basic nursing care I Basic nursing care II. Clinical practice in nursing care I	avuksa@vus .hr	Cabinet 17 Tuesday 13:00-14:00

Nevena Šimunić	Basic nursing care I. Basic nursing care II. Nursing care of a child Natural infant nutrition - breastfeeding	nevena.simunic@vus.hr	Cabinet 17 Thursday 13:00- 14:00
Dijana Mečev	Economics in healthcare	dijana.mecev@vus.hr	Cabinet 3 Monday 11:00- 12:00
<i>Associate lecturers at Šibenik University of Applied Sciences</i>			
Edita Sušić	Microbiology and parasitology	edita.susic@vus.hr	According to class schedule
Ivan Krečak	Physiology Anatomy Internal medicine Pathophysiology	ivan.krecak@vus.hr	According to class schedule
Jasminka Brkičić	Hospital infection prevention Infectology	jasminka.brkicic@vus.hr	According to class schedule
Josipa Jović Zlatović	Basics of physics, radiology and protection from radiation Basic procedures in pain treatment	josipa.jovic_zlatovic@vus.hr	According to class schedule

Marko Skelin	The basics of medical chemistry and biochemistry Pharmacology	marko.skelin@vus.hr	According to class schedule
Mario Gazić	Transcultural healthcare	mario.gazic@vus.hr	According to class schedule
Nikolina Višnjić Junaković	Team work in nursing Integrative model of work organization in nursing practice Nursing care of adults I/I Nursing care of adults I/II	nikolina.visnjic_junakovic@vus.hr	According to class schedule
Snježana Jušić	Patient safety	vesna.busac@vus.hr	According to class schedule
Sonja Kalauz	Philosophy and ethics in nursing Sociology of health	sonja.kalauz@vus.hr	According to class schedule
Zdravko Kedžo	Communication skills	zdravko.kedzo@vus.hr	According to class schedule
Ivan Zmijanović	Gynecology and obstetrics	vesna.busac@vus.hr	According to class schedule
Željko Huljev	Hygiene and epidemiology Public health	vesna.busac@vus.hr	According to class schedule
Marijana Gulin	Internal medicine	vesna.busac@vus.hr	According to class schedule
Kristijan Bečić	Pathology	vesna.busac@vus.hr	According to class schedule
Silvija Petković	Health care of mother and newborn	vesna.busac@vus.hr	According to class schedule
Gina Lugović	Health psychology	gina.lugovic@vus.hr	According to class schedule

Ivana Skorić	Transfusion of blood and blood products	vesna.busac@vus.hr	According to class schedule
Sanja Jakelić	Dermatology	sanja.jakelic@gmail.com	According to class schedule
Anka Aleksić Shihabi	Neurology	vesna.busac@vus.hr	According to class schedule
Irena Bralić	Pediatrics	vesna.busac@vus.hr	According to class schedule
Ivan Vukoja Jakov Ivković	Healthy lifestyles and healthy aging	vesna.busac@vus.hr	According to class schedule

4. PLACE OF TEACHING AT THE PROFESSIONAL UNDERGRADUATE STUDY IN NURSING

Teaching at the professional undergraduate study program in Nursing takes place at the Šibenik University of Applied Sciences, Trg Andrije Hebranga 11, Šibenik. At the mentioned location, in addition to the service office, there are 15 classrooms, including a skills cabinet and a health care cabinet, with a total area of 1320 m².

In addition to the headquarters of the University, the teaching base for the professional undergraduate study in Nursing be will: Clinical hospital center Rijeka, Clinical hospital center Split, General Hospital of Šibenik-Knin County, Knin General and Veterans Hospital, Biograd na Moru Special Orthopedic Hospital and Požega County General Hospital.

Spaces in which the educational process takes place provide optimal conditions considering the enrolled number of students. The mentioned area contains spatial capacities that follow the standards of higher education classes which enable students to have quality assessment and participation in teaching activities.

Teaching at the Šibenik University of Applied Sciences takes place from Monday to Friday (in exceptional cases on Saturdays in the morning hours) according to the schedule of the lectures published on the official website. In accordance with requirements of the Regulations on content of conditions for the issuance of a permit for the performance of higher education activities, the implementation of study programs and the reaccreditation of higher education institutions (Official Gazzette, number 24/10) article 5, paragraph 2, University of Applied Sciences satisfies ratio number of enrolled students and spatial possibilities for teaching.

5. LIST OF COURSES, TEACHERS AND ASSOCIATES, HOURS AND WORKLOAD OF STUDENTS AT THE PROFESSIONAL UNDERGRADUATE STUDY IN NURSING

PROFESSIONAL UNDERGRADUATE STUDY IN NURSING					
- I st STUDY YEAR					
TEACHING SUBJECTS (COURSES)		COURSE SCHEDULE			ECTS points
Course Holder	Name	L (lectures)	S (seminars)	P (practice)	
		Hours	Hours	Hours	
PhD Ivan Krečak, MD, lecturer	Anatomy	30	-	20	3
Assoc. PhD Sonja Kalauz, college prof.	Philosophy and ethics in nursing	30	15	-	2
PhD Ivan Krečak, MD, lecturer	Physiology	30	-	20	3
MSC Edita Sušić, MD, lecturer	Microbiology with parasitology	30	-	15	3
PhD Josipa Jović Zlatović, MD, lecturer	Basics of physics, radiology and radiation protection	20	-	-	2
Assoc. Ph.D. Marko Skelin, lecturer	Basics of chemistry and biochemistry	15	5	5	1
Andrea Vukša, MSN, lecturer	Basic nursing care I	30	15	95	5
Vesna Bušac, MSN, lecturer	The process of Nursing I	30	15	90	5
Vesna Jurin Bakotić, univ. spec. iur., senior lecturer	Social and health legislation	30	-	-	2
Snježana Jušić, MSN, lecturer	Patient safety	15	-	15	2
Nikolina Višnjic Junaković, MSN, lecturer	Teamwork in nursing	15	-	15	2
Sanja Veštic Mirčeta mag. iur., lecturer	Protection of patients` rights in the healthcare system	15	15	-	2
PhD Nikolina Gaćina, senior	Dietetics	30	15	15	3

lecturer					
Assoc. PhD Marko Skelin, lecturer	Pharmacology	30	-	15	3
PhD Ivan Livaja, college prof. stud.	Informatics in health care	15	-	30	2
PhD Zdravko Kedžo, lecturer	Communication skills	15	-	15	2
Nevena Šimunić, MSN, lecturer	Basic nursing care II	10	10	120	5
Ana Žepina Puzić, MSN, lecturer	The process of nursing II	20	15	120	6
Andrea Vukša, MSN, lecturer	Clinical practice in nursing care I	-	-	150	5
PhD Ivana Kardum Goleš, college prof.	English language I	30	-	-	2
Nikolina Višnjic Junaković, MSN, lecturer	Integrative model of work organization in nursing practice	15	15	-	2
Mario Gazić, MSN, lecturer	Transcultural nursing care	15	15	-	2

Undergraduate professional study Nursing-II STUDY YEAR

TEACHING SUBJECTS (COURSES)		COURSE SCHEDULE			ECTS points
Course Holder	Name	L	S	P	
		Hours per week	Hours per week	Hours per week	
Ivan Zmijanović, MD, lecturer	Gynecology and obstetricstries	30			2
Željko Huljev, MD, lecturer	Hygiene and epidemiology	30		15	3
Jasminka Brkičić, MD, lecturer	Infectology	15			1
PhD Ivan Krečak, MD, lecturer PhD Marijana Gulin, MD, lecturer	Internal medicine	30			2
PhD Ivan Krečak, MD, lecturer	Pathophysiology	30			2
Assoc. PhD Kristijan Bečić, MD, lecturer	Pathology	30	15	10	2
Assoc. PhD Sonja Kalauz, college prof.	Sociology of health	30	5		2
Silvija Petković, MSN, lecturer	Maternal and newborn nursing care	25	10	140	6
Ana Žepina Puzić, MSN, lecturer	Nursing care of adults I/I	30		70	4
Gina Lugović, lecturer	Health psychology	30		15	2
PhD Dijana Mečev, college prof.	Economics in health care	15	15		2
Josipa Jović Zlatović, MD, lecturer	Basic Pain Management Procedures	15		15	2
Ivana Skorić, MD, lecturer	Transfusion of blood and blood products	15		15	2

Sanja Jakelić, MD, lecturer	Dermatology	15			1
Željko Huljev, MD, lecturer	Public health	30		15	3
PhD Anka Aleksić Shihabi, MD, lecturer	Neurology	15			1
Vesna Bušac, MSN, lecturer	Organization, management and administration in nursing care	30	15	70	4
Assoc. PhD Irena Bralić, MD, lecturer	Pediatrics	30			2
Nevena Šimunić, MSN, lecturer	Nursing care of a child	40	10	150	7
Ana Žepina Puzić, MSN, lecturer	Nursing care of adults I/I	15	10	95	4
Vesna Bušac, MSN, lecturer	Clinical practice in nursing care II			120	4
PhD Ivana Kardum Goleš, college prof.	English language II	30			2
Nevena Šimunić, MSN, lecturer	Natural infant nutrition - breastfeeding	15		15	2
PhD Ivan Vukoja, MD, lecturer PhD Jakov Ivković, MD, lecturer	Healthy lifestyles and healthy aging	15	15		2
Jasminka Brkičić, MD, lecturer	Prevention of hospital infections	15	15		2

6. ACADEMIC CALENDAR AT THE ŠIBENIK UNIVERSITY OF APPLIED SCIENCES

The academic calendar of the Šibenik University of Applied Sciences for academic year 2024/2025 was adopted at the 9th session of the Expert Council of the University of Applied Sciences, which was held on May 22, 2024.

Teaching at the professional studies of the Šibenik University of Applied Sciences in the academic year 2024/2025 starts on September 30, 2024.

Classes in the winter semester are held from September 30, 2024 to December 20, 2024 and from January 7, 2025 to January 24, 2025.

Classes in the summer semester are held from February 24, 2025 to June 7, 2025.

Additionally, consultative classes for part-time students will be held at the times prescribed by the Decision on the Adoption of Implementation Plans for Study Programs in the Academic Year 2024/2025.

The winter holidays last from December 23, 2024 to January 6, 2025, and during that period the University will not work with students.

The summer holidays last from July 21, 2025 to August 15, 2025, and during that period the University will not work with students.

The regular winter exam period lasts from January 27, 2025 to February 21, 2025.

The regular summer exam period lasts from June 9, 2025 to July 4, 2025.

The regular autumn exam period lasts from August 25, 2025 to September 19, 2025.

Enrollment in successive years of study for the academic year 2025/2026 will take place from September 15-26, 2025.

NATIONAL PUBLIC HOLIDAYS AND NON-WORKING DAYS IN THE REPUBLIC OF CROATIA, IN THE ACADEMIC YEAR 2024/2025

DATE OF HOLIDAY	NAME OF PUBLIC HOLIDAYS
November 1 st	All Saints' Day
November 18 th	Memorial day for the victims of the Homeland War, Vukovar and Škabrnja
December 25 th	Christmas Day
December 26 th	St. Stephen's Day
January 1 st	New Year's Day
January 6 th	Holly three kings
April 20 th	Easter
April 21 th	Easter Monday
May 1 st	International Workers' Day
May 30 th	Croatian National day
June 19 th	Corpus day
June 22 nd	Anti-Fascist Struggle Day
August 5 th	Homeland Thanksgiving Day
August 15 th	Feast of the Assumption

7. CALENDAR OF EXAMINATION DEADLINES FOR THE PROFESSIONAL UNDERGRADUATE STUDY IN NURSING IN THE ACADEMIC YEAR 2024/2025

COURSE HOLDER	COURSE	DATES EXAM DEADLINES					
		January / February		June / July		August / September	
I STUDY YEAR (I semester)							
PhD Ivan Krečak, MD, lecturer	Anatomy	31.01.2025. 3 p.m	14.02.2025. 2 p.m	11.06.2025. 3 p.m	25.06.2025. 3 p.m	27.08.2025. 3 p.m	10.09.2025. 3 p.m
Assoc. PhD Sonja Kalauz, college professor	Philosophy and ethics in nursing	05.02.2025. 9 a.m	19.02.2025. 9 a.m	11.06.2025. 9 a.m	25.06.2025. 9 a.m	29.08.2025. 9 a.m	12.09.2025. 9 a.m
PhD Ivan Krečak, MD, lecturer	Physiology	27.01.2025. 5 p.m	10.02.2025. 5 p.m	09.06.2025. 5 p.m	23.06.2025. 5 p.m	25.08.2025. 5 p.m	08.09.2025. 5 p.m
MSC Edita Sušić, MD, lecturer	Microbiology with parasitology	29.01.2025. 4 p.m	12.02.2025. 9 a.m	10.06.2025. 9 a.m	24.06.2025. 9 a.m	28.08.2025. 9 a.m	11.09.2025. 9 a.m
PhD Ivan Livaja, college professor	Informatics in health cares	06.02.2025. 9 a.m	20.02.2025. 9 a.m	20.06.2025. 9 a.m	04.07.2025. 9 a.m	26.08.2025. 9 a.m	09.09.2025. 9 a.m
Assoc. PhD Marko Skelin, lecturer	The basics of medical chemistry and biochemistry	30.01.2025. 3 p.m	13.02.2025. 3 p.m	17.06.2025. 3 p.m	02.07.2025. 3 p.m	02.09.2025. 3 p.m	16.09.2025. 3 p.m
Andrea Vukša, MSN, lecturer	The basics health care I	04.02.2025. 1 p.m	20.02.2025. 1 p.m	16.06.2025. 1 p.m	01.07.2025. 1 p.m	28.08.2025. 1 p.m	17.09.2025. 1 p.m
Vesna Bušac, MSN, lecturer	The proces of Nursing I	28.01.2025. 2 p.m	11.02.2025. 2 p.m	17.06.2025. 12 o'clock	02.07.2025. 12 o'clock	26.08.2025. 1 p.m	09.09.2025. 1 p.m
Vesna Jurin Bakotić, univ. spec. iur., s. lecturer	Socially and health legislation	29.01.2025. 11 a.m	19.02.2025. 11 a.m	10.06.2025. 11 a.m	03.07.2025. 11 a.m	05.09.2025. 12 o'clock	19.09.2025. 12 o'clock
Snježana Jušić, MSN, lecturer	Patient safety	30.01.2025. 5 p.m	13.02.2025. 5 p.m	12.06.2025. 5 p.m	26.06.2025. 5 p.m	25.08.2025. 3 p.m	08.09.2025. 3 p.m
Nikolina Višnjic Junaković, MSN, lecturer	Teamwork in nursing	03.02.2025. 3 p.m	17.02.2025. 3 p.m	13.06.2025. 3 p.m	27.06.2025. 3 p.m	01.09.2025. 10 a.m	15.09.2025. 10 a.m

Sanja Veštić Mirčeta, mag. iur., lecturer	Protection of patients' rights in the healthcare system	07.02.2025. 11 a.m	21.02.2025. 11 a.m	10.06.2025. 3 p.m	24.06.2025. 3 p.m	25.08.2025. 1 p.m	08.09.2025. 1 p.m
II STUDY YEAR (II semester)							
PhD Nikolina Gaćina, s. lecturer	Dietetics	28.01.2025. 4 p.m	11.02.2025. 4 p.m	18.06.2025. 4 p.m	03.07.2025. 4 p.m	03.09.2025. 4 p.m	17.09.2025. 4 p.m
Assoc. PhD Marko Skelin, lecturer	Pharmacology	30.01.2025. 4 p.m	13.02.2025. 4 p.m	17.06.2025. 4 p.m	02.07.2025. 4 p.m	02.09.2025. 4 p.m	16.09.2025. 4 p.m
Josipa Jović Zlatović MD, Lecturer	The basics physics, radiology and protection of radiation	27.01.2025. 3 p.m	10.02.2025. 3 p.m	09.06.2025. 3 p.m	23.06.2025. 3 p.m	01.09.2025. 3 p.m	15.09.2025. 3 p.m
PhD Zdravko Kedžo, s. lecturer.	Communication skills	28.01.2025. 10 a.m	14.02.2025. 10 a.m	12.06.2025. 10 a.m	26.06.2025. 10 a.m	04.09.2025. 10 a.m	18.09.2025. 10 a.m
Nevena Šimunić, MSN, lecturer	The basics health care II	05.02.2025. 12:00	21.02.2025. 1 p.m	18.06.2025. 12:00	04.07.2025. 12:00	28.08.2025. 1 p.m	19.09.2025. 12:00
Ana Žepina Puzić, MSN	The proces of Nursing II	04.02.2025. 10 a.m	18.02.2025. 10 a.m	20.06.2025. 12:00	04.07.2025. 10 a.m	04.09.2025. 12:00	18.09.2025. 12:00
Andrea Vukša, MSN	Clinical exercises zdr. care I	04.02.2025. 12:00	20.02.2025. 12:00	16.06.2025. 12:00	01.07.2025. 12:00	28.08.2025. 12:00	17.09.2025. 12:00
PhD Ivana Kardum Goleš, prof. expert.stud.	English language AND	31.01.2025. 9 a.m	14.02.2025. 9 a.m	13.06.2025. 9 a.m	27.06.2025. 9 a.m	27.08.2025. 9 a.m	10.09.2025. 9 a.m
Mario Gazić, MSN, lecturer	Transcultural health care	03.02.2025. 4 p.m	17.02.2025. 4 p.m	16.06.2025. 4 p.m	01.07.2025. 4 p.m	26.08.2025. 4 p.m	09.09.2025. 4 p.m
Nikolina Visnjić Junaković, MSN, lecturer.	Integrative model of work organization in nursing practice	03.02.2025. 2 p.m	17.02.2025. 2 p.m	13.06.2025. 2 p.m	27.06.2025. 2 p.m	01.09.2025. 12:00	15.09.2025. 12:00

II STUDY YEAR (III semester)

Ivan Zmijanović, MD, lecturer	Gynecology and obstetrics	30.01.2025. 4 p.m	13.02.2025. 4 p.m	10.06.2025. 4 p.m	24.06.2025. 4 p.m	04.09.2025. 4 p.m	18.09.2025. 4 p.m
Željko Huljev, MD, lecturer	Hygiene and epidemiology	03.02.2025 3 p.m	17.02.2025. 3 p.m	16.06.2025. 3 p.m	30.06.2025. 3 p.m	27.08.2025. 3 p.m	10.09.2025. 3 p.m
Jasminka Brkičić, MD, lecturer	Infectology	28.01.2025. 2 p.m	11.02.2025. 2 p.m	13.06.2025. 1 p.m	27.06.2025. 1 p.m	02.09.2025. 1 p.m	16.09.2025. 1 p.m
Ph.D. Ivan Krečak, MD, lecturer	Internal medicine	30.01.2025. 6 p.m	13.02.2025. 6 p.m	16.06.2025. 6 p.m	30.06.2025. 6 p.m	01.09.2025. 6 p.m	15.09.2025. 6 p.m
Ph.D. Ivan Krečak, MD, lecturer	Pathophysiology	27.01.2025. 3 p.m	10.02.2025. 3 p.m	09.06.2025. 5 p.m	23.06.2025. 5 p.m	25.08.2025. 3 p.m	08.09.2025. 3 p.m
Assoc. PhD Kristijan Bečić, MD, lecturer	Pathology	31.01.2025. 6 p.m	14.02.2025. 6 p.m	18.06.2025. 6 p.m	02.07.2025. 6 p.m	25.08.2025. 6 p.m	08.09.2025. 6 p.m
Assoc. Ph.D. Sonja Kalauz, prof. expert stud.	Sociology of health	05.02.2025. 10:30	19.02.2025. 10:30	11.06.2025. 10:30	25.06.2025. 10:30	29.08.2025. 10:30	12.09.2025. 10:30
Silvija Petković, MSN, lecturer	Health care of mother and newborn	29.01.2025. 5 p.m	12.02.2025. 3 p.m	12.06.2025. 3 p.m	26.06.2025. 3 p.m	28.08.2025. 3 p.m	11.09.2025. 3 p.m
Ana Žepina Puzić, MSN, lecturer	Nursing care of adults I/I	31.01.2025. 12:00	14.02.2025. 12:00	20.06.2025. 12:00	04.07.2025. 12:00	05.09.2025. 11 a.m	19.09.2025. 11 a.m

Gina Lugović, s. lecturer	Health psychology	27.01.2025. 6 p.m	10.02.2025. 6 p.m	09.06.2025. 6 p.m	23.06.2025. 6 p.m	25.08.2025. 6 p.m	08.09.2025. 6 p.m
PhD Dijana Mečev, prof. expert stud.	Economics in healthcare	28.01.2025. 5 p.m	11.02.2025. 5 p.m	12.06.2025. 5 p.m	27.06.2025. 5 p.m	26.08.2025. 5 p.m	09.09.2025. 5 p.m
Josipa Jovic Zlatović, MD, lecturer	Basic procedures in the treatment of pain	27.01.2025. 5 p.m	10.02.2025. 5 p.m	09.06.2025. 3 p.m	23.06.2025. 3 p.m	01.09.2025. 3 p.m	15.09.2025. 3 p.m
Ivana Skorić, MD, lecturer	Transfusion of blood and blood products	29.01.2025. 3 p.m	12.02.2025. 5 p.m	11.06.2025. 3 p.m	25.06.2025. 5 p.m	03.09.2025. 3 p.m	17.09.2025. 3 p.m

II STUDY YEAR (IV semester)

Sanja Jakelić, MD, lecturer	Dermatology			10.06.2025. 3 p.m	24.06.2025. 3 p.m	26.08.2025. 3 p.m	09.09.2025. 3 p.m
Željko Huljev, MD, lecturer	Public health			17.06.2025. 3 p.m	01.07.2025. 3 p.m	27.08.2025. 4 p.m	10.09.2025. 4 p.m
PhD Anka Aleksić Shihabi, MD, lecturer	Neurology			18.06.2025. 9 a.m	02.07.2025. 9 a.m	02.09.2025. 9 a.m	16.09.2025. 9 a.m
Vesna Bušac, MSN, lecturer	Organization, management and administration in health care			11.06.2025. 12 o'clock	26.06.2025. 12 o'clock	03.09.2025. 12 o'clock	17.09.2025. 12 o'clock
Assoc. Ph.D. Irena Bralić, MD, lecturer	Pediatrics			13.06.2025. 6:30 p.m.	30.06.2025. 9 a.m	29.08.2025. 6:30 p.m.	12.09.2025. 6:30 p.m.
Nevena Šimunić, MSN, lecturer	Child health care			20.06.2025. 10 a.m	04.07.2025. 10 a.m	28.08.2025. 12:00	18.09.2025. 12:00
Ana Žepina Puzić, MSN, lecturer	Nursing care of adults I/II			20.06.2025. 12:00	04.07.2025. 12:00	05.09.2025. 11 a.m	19.09.2025. 11 a.m
Vesna Bušac, MSN, lecturer	Clinical exercises of health care II			18.06.2025. 12:00	03.07.2025. 10 a.m	04.09.2025. 12:00	19.09.2025. 08h
PhD Ivana Kardum Goleš, college prof.	English language II			17.06.2025. 9 a.m	01.07.2025. 9 a.m	03.09.2025. 9 a.m	17.09.2025. 9 a.m
Jasminka Brkičić, MD, lecturer	Prevention of hospital infections			13.06.2025. 11 a.m	27.06.2025. 11 a.m	02.09.2025. 9 a.m	16.09.2025. 9 a.m
Nevena Šimunić, MSN, lecturer	Natural infant nutrition - breastfeeding			20.06.2025. 11 a.m	04.07.2025. 11 a.m	28.08.2025. 11 a.m	18.09.2025. 11 a.m
PhD Ivan Vukoja, MD, lecturer PhD Jakov Ivković, MD, lecturer	Healthy lifestyles and healthy aging			16.06.2025. 1 p.m	03.07.2025. 1 p.m	01.09.2025. 10 a.m	15.09.2025. 1 p.m

1. CURRICULUM AND CONTENTS OF ALL SUBJECTS (COURSES) AT THE PROFESSIONAL UNDERGRADUATE STUDY

NURSING WITH EXPECTED LEARNING OUTCOMES AND BASIC LITERATURE

GENERAL INFORMATION					
Course title	ANATOMY				
Course holder	PhD Ivan Krečak, MD, lecturer				
Study program	Professional Undergraduate Study in Nursing				
Course status	Obligatory				
Year of study	1				
Credit score and teaching method	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">ECTS credits</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Number of hours (LECTURES+SEMINARS+PRACTICE)</td> <td style="text-align: center;">L-30, E -20</td> </tr> </table>	ECTS credits	3	Number of hours (LECTURES+SEMINARS+PRACTICE)	L-30, E -20
ECTS credits	3				
Number of hours (LECTURES+SEMINARS+PRACTICE)	L-30, E -20				

COURSE DESCRIPTION	
Course objectives	The main goal of the course is for the student to acquire basic knowledge of the macroscopic and microscopic morphology of individual organs and organ systems of humans. Acquired knowledge of anatomy should enable the student to better understand the structure of the body, organs and organ systems, physiological, pathophysiological and pathological processes in organisms and to pass clinical subjects and procedures in nursing care.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<ol style="list-style-type: none"> 1 - Reproduce knowledge from general anatomy and knowledge of organs and organic systems 2 - analyze the structure of human bodies, morphology of individual organs and organic systems and life functions 3 - describe normal physiological and anatomical values 4 - distinguish pathophysiological and pathological processes in the organism 5 - apply new knowledge in passing subjects from clinical medicine and nursing care procedures; 6 - define integrated approach to health and diseases and observe the cell and organism as an integrated system

<p>Course content</p>	<p>Course includes acquisition of knowledge from general anatomy and from areas of structure and functions of individual organs and organ systems. It includes the following:</p> <ol style="list-style-type: none"> 1. General anatomy - define and distinguish anatomy within the framework of morphological sciences; define and differentiate the degrees in the structure of the human body; define the term and practical importance of anatomical orientation and anatomical position of the body, describe and show the position of the three basic orientation planes and axes in relation to the body (Outcome 1, 2, 3, 4, 5, 6)
	<ol style="list-style-type: none"> 2. General and special osteology - describe the basic features of macroscopic bone structure, analyze and compare shapes of bones, describe and show on anatomical specimen parts of typical neck, chest and lumbar vertebrae, cross and coccyx bone, describe basic characteristics of spine as a whole, show parts of the ribs, describe the sternum, describe the skull as a whole, define the general features of cranial bones, distinguish, describe and show on anatomical specimen basic parts of individual bones of the arm and leg (Outcome 1, 2, 3, 4, 5, 6) 3. General and special syndesmology - synarthroses and diarthroses, define the types of joints by shape and movements, analyze the types of joints between the vertebrae, the joints of the thoracic spine with the ribs and sternum, and describe the bony thorax as a whole, argue the importance of the shape and position of the ribs in the bony thorax for mechanics of breathing, define connections between skull bones and describe their functional meaning (Outcome 1, 2, 3, 4, 5, 6) 4. General and special myology - describe the structure and parts of skeletal muscle, define skeletal muscle shapes and function muscles, describe and define their function and innervation (Outcome 1, 2, 3, 4, 5, 6) 5. General and special neurology - describe structure of nervous tissues, analyze and compare anatomical and physiological division of the nervous system, define the brain (encephalon) and parts of the brain (cerebrum, cerebellum, truncus encephali), describe the cerebrum, show the lobes of the cerebrum on an anatomical specimen, show the boundaries between them, describe and show the surfaces, furrows and convolutions of cerebrum. Describe the internal structure of the cerebrum, define the mantle (pallium), deep gray matter (basal ganglia) and white matter of the cerebrum). On the anatomical specimen, show the position, parts and boundaries of the lateral ventricle, describe the cerebellum, describe the brainstem, define and show on the anatomical specimen the position and boundaries between the parts of the brainstem (medulla oblongata, pons, mesencephalon), describe the spinal cord, reflex arc, differentiate reflex arcs in the cerebrospinal system, parasympathetic and sympathetic parts in the autonomous nervous system, describe envelopes of the brain, define the paths of the nervous system, distinguish between brain and spinal nerves, ganglia, describe the types of fibers, exit, branching and area of innervation, nerve tangles, define the autonomic nervous system rustling, analyze anatomical and functional difference between pars parasympathetic and pars sympathetic (Outcome 1, 2, 3, 4, 5, 6) 6. General and special angiology - describe and define species of blood vessel, describe building walls blood vessels, describe blood circulation, describe the structure of the heart wall, describe the layers of the heart wall; describe the shape and characteristics of the 4 cavities of the heart; and show them on an anatomical preparation, describe cardiac orifices, define conducting cardiac musculature and explain its structure and function, describe irrigation and innervation hearts ze analyze topographical relations hearts. Describe small and big circulation blood, define and differentiate their function; define lymphatic vessels and lymph nodes, show and describe the shape and location of the spleen (Outcome 1, 2, 3, 4, 5, 6) 7. General and special splanchnology - define the difference in the structure and shape of hollow and parenchymatous organs, describe the serous membranes, describe the shape and structure of the organs of the digestive system and show the basic parts of the mentioned organs and their position on anatomical preparations in body cavities, describe topographical relations digestive organs in abdominal cavities, argue division abdominal cavity to the peritoneal cavity and extraperitoneal spaces, describe the shape and structure of the organs of the respiratory system, define the pleura, the pleural space and argue the importance of the pleura for the mechanics of breathing, describe the shape and structure of the organs of the urinary system and the topographical relationships of the organs of the urinary system, define the internal and external organs of the female and the male reproductive system, to define glands with internal excretion and describe form, building and function (Outcome 1, 2, 3, 4, 5, 6) 8. Skin and special senses - define the system of sensory organs, describe the shape and internal structure of the eye, ear, sense of smell, taste, sense of balance and skin (Outcome 1, 2, 3, 4, 5, 6)

Types of teaching method	<input checked="" type="checkbox"/> lectures	<input checked="" type="checkbox"/> independent assignments
	<input type="checkbox"/> seminars and workshops	<input checked="" type="checkbox"/> multimedia and net
	<input checked="" type="checkbox"/> exercises	<input type="checkbox"/> laboratory
	<input checked="" type="checkbox"/> practical work	<input type="checkbox"/> mentoring work
	<input type="checkbox"/> education on the distance	<input checked="" type="checkbox"/> continuous evaluation
	<input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> consultative teaching

Obligations of students	Regularly and conscientiously attendance in all forms of classes					
Monitoring and evaluating student work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.	
	Attendance of classes	1 - 6	37	1.26	0	
	Activity during classes	1 - 6	6.5	0.21	0 - 10	
	Colloquium 1/exercises/oral	1 - 3	10	0.33	0 - 20	
	Colloquium 2/exercises/oral	4 - 6	10	0.33	0 - 20	
	In total	1 - 6	63.5	2,13	0-50 (50 % grades)	
	Closing exam/written		26.5	0.87	50 % of grade	
	In total		90	3	100 % of grade	
	Evaluation criteria	Activity during classes	Colloquium 1/exercises/oral		Colloquium 2/exercises/oral	
	Description	Preparation for teaching units Understanding previous content Participation in common task solving	Preparation/learning Theoretical knowledge Accuracy performance exercises or displays/multimedia		Preparation/learning Theoretical knowledge Accuracy performance exercises or displays/multimedia	
	Points: min. – max.	0 - 10	0 - 20		0 - 20	
	Min. number of points-passing threshold	5	10		10	
	Total	0 - 50				
	Total grade	Pass threshold	Score range	Grade		

25 points	45 – 50	5 (excellent)
	38 - 44.9	4 (very good)
	32 - 37.9	3 (good)
	25 – 31.9	2 (sufficient)

Conditions for forming the final grade

1. Regularly attend classes
2. Actively taking part in classes
3. Pass colloquia
4. Collect at least 50% points

Final grade

Final exam consists of: written exam.

If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:

% correct answers Final exam	Numerical Grade
90 – 100 %	5 (excellent)
80 – 89.9 %	4 (very good)
65 – 79.9 %	3 (good)
50 - 64.9 %	2 (sufficient)

Final grade

Forming the Final grade: Based on the points achieved during classes and final exam. (classes 50 % + closing exam 50%). In the ECTS system, the grade is expressed in the following way:

% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade
90 – 100 %	5 (excellent)	A
80 – 89.9 %	4 (very good)	B
65 – 79.9 %	3 (good)	C
50 -64.9 %	2 (sufficient)	D

Compulsory literature	<ol style="list-style-type: none"> 1. Katavić V, Petanjek Z, Vinter I. Anatomija, Medicinska naklada, Zagreb 2. Rotim K, i sur. Anatomija. Zagreb: Zdravstveno veleučilište, 2017. 3. Paulsen F, Wasckhe J. Atlas anatomije čovjeka I. + II + III. Svezak + Tablice, Sobotta (Marušić A, Bobinac D, Katavić V. ur.). Zagreb: Medicinska naklada; 2013. 		
Additional literature	<ol style="list-style-type: none"> 1. Gilroy AM, MacPherson BR, Ross M. Anatomski atlas s latinskim nazivljem. Zagreb: Medicinska naklada; 2011. 2. Jalšovec D. Anatomija humana. Naklada Slap. 2018. 		
Number of copies in the library	Title	Number of copies	Number of students
	1. Katavić V, Petanjek Z, Vinter I. Anatomija, Medicinska naklada, Zagreb	12	60
	Rotim K, i sur. Anatomija. Zagreb: Zdravstveno veleučilište, 2017.	12	60
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Methods of quality monitoring that ensure the acquisition of learning outcomes and skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and other.</p>		

GENERAL INFORMATION		
Course title	PHILOSOPHY AND ETHICS IN NURSING	
Course holder	Assoc. PhD Sonja Kalauz, college prof.	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and method of teaching	ECTS credits	2
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-30, S- 15

COURSE DESCRIPTION	
Course objectives	To meet students with the basics of philosophy nursing, ethics as a philosophical discipline, development of morality, ways of moral judgment and actions in nursing ethics as regional ethics. Ethical theories applicable in nursing will be explained to students, ethical codes of nurses, ethical principles and bioethics like new dialogic discipline
Terms of course entry and required competences	None
Expected learning outcomes on the course level	<p>1 - explain the basics of general philosophy, philosophy and ethics in nursing and their historical development</p> <p>2 - explain the term morality, theories of development morality, moral court, moral feelings and moral reflections</p> <p>3 - explain fundamental ethical theories (ethics virtues, deontology - Kant's ethics duties, Christian ethics of virtue, ethics of care) and ethical principles</p> <p>4 - interpret ethical codex of nursing</p> <p>5 - critically deliberate at ethical doubts in nursing practice</p> <p>6 - explain the importance of bioethics as a dialogic discipline and her contribution preservation of all life on earth</p>
Course content	<ol style="list-style-type: none"> 1. The basics general philosophy, philosophy and ethics in nursing and their historical development (Outcome 1) 2. Morals, theories development (Piaget, Kohlberg) morality, moral court, moral feeling and moral reflection (Outcome 2) 3. Fundamental ethical theories applicable in nursing practice (ethics of virtue, ethics of duty, Kant's ethics duties, Christian ethics virtues, ethics care) ethical principles (Outcome 3) 4. Ethical nursing codex through history and today (Outcome 4) 5. ways, models and principles of deciding ethical doubts in nursing practice (Outcome 5) 6. Bioethics and importance in the preservation of the life (Outcome 6)

Types of teaching method	<input checked="" type="checkbox"/> lectures	<input checked="" type="checkbox"/> independent assignments
	<input checked="" type="checkbox"/> seminars and workshops	<input type="checkbox"/> multimedia and net
	<input type="checkbox"/> exercises	<input type="checkbox"/> laboratory
	<input type="checkbox"/> practical work	<input type="checkbox"/> mentoring work
	<input type="checkbox"/> education on the distance	<input checked="" type="checkbox"/> continuous evaluation
	<input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> consultative teaching

	<input type="checkbox"/> other
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Students obligations	Regularly and conscientiously attendance off all forms of classes
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	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
	Attendance of classes	1 - 6	32	1.06	0
	Activity during classes	1 - 6	2	0.07	0 - 10
	Seminar/writing and exposure	1 - 6	6	0.20	0 - 20
	Colloquium /oral	1 - 6	6	0.20	0 - 20
	In total		46	1.53	0 – 50 (50 % of grade)
	Closing exam/written	1 - 6	14	0.47	50 % of grade
	In total		60	2	100 % of grade
	Grade criteria	Activities in class	Seminar/writing and presentation		Colloquium/oral

	Description	Preparation for teaching units Understanding the previous content Participation in common tasks solving	Organization/structure of work Understanding topics and expertise Terminology and vocabulary Grammar Citation and citing references Presentation/multimedia	Level of knowledge (ability analysis, synthesis and grade) Structuredness and accuracy of answers Logically connecting the facts Usage of professional terms and concepts Correlation with related contents
	Points: min. - max.	0 - 10	0 - 20	0 - 20
	Minimal number of points - passing threshold	5	10	10
	Total	0 - 50		

	Total grade	Pass threshold	Score range	Grade
		25 points	45 – 50	5 (excellent)
			38 - 44.9	4 (very good)
			32 - 37.9	3 (good)
			25 - 31.9	2 (satisfactory)
<p>Conditions for forming the final grade</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part during classes 3. Pass colloquia 4. Collect at least 50% points 5. Get positive assessment from seminars 				

	<p>Final grade Final exam consists of: written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p> <table border="1" data-bbox="432 465 970 786"> <thead> <tr> <th>% correct answers Final exam</th> <th>Numerical Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> </tr> <tr> <td>50 - 64.9 %</td> <td>2 (satisfactory)</td> </tr> </tbody> </table>			% correct answers Final exam	Numerical Grade	90 – 100 %	5 (excellent)	80 – 89.9 %	4 (very good)	65 – 79.9 %	3 (good)	50 - 64.9 %	2 (satisfactory)					
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<p>Additional literature</p>	<p>1. Scot I (ed.). Key Concepts and Issues in Nursing Ethics. Springer International Publishing, 2017.</p>																	
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Methods of quality monitoring that ensure the acquisition of knowledge, skills and competence

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GENERAL INFORMATION		
Course title	PHYSIOLOGY	
Course holder	PhD Ivan Krečák, MD, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and method of teaching	ECTS credits	3
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-30, E -20

COURSE DESCRIPTION	
Course objectives	To meet students with basic life functions the whole organism, individual organs and tissues, how would acquired fundamental knowledge for understanding physiological process in body, and more easily mastered the subjects of clinical medicine and understood the needs for nursing care.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - describe the main physiological processes on level cells, organic systems, and organisms as a whole</p> <p>2 - define the normal functions of all organic systems of the human organism: cardiovascular, hematopoietic, locomotive, respiratory, digestive, uropoietic, immune, endocrine and nervous systems;</p> <p>3 - explain mutual relations between individual organic systems in healthy man; 4 - interpret the general patterns of the organism's reaction;</p> <p>5 - explain the principles of basic functional tests and their deviation from normal ones</p>
Course content	<p>The main physiological processes at the level of cells, organ systems, and the organism as a whole - hematopoiesis, the role of blood and blood cells, erythrocytes and leukocytes, hemostasis, and blood clotting: development, properties, and functions of platelets; the role of clotting factors and the regulation of the formation and breakdown of blood clots, immunological reaction: the role of lymphatic tissue in the body's defence, cellular and humoral immunity Membrane and action potentials, skeletal and smooth muscle contraction: the origin and origin of potentials in individual cells, the significance of their formation and propagation; structure of skeletal and smooth muscle, neuromuscular junction and regulation of contraction. (Outcome 1)</p> <p>Functions of all organic systems of the human body: cardiovascular, hematopoietic, locomotive, respiratory, digestive, uropoetic, immune, endocrine, and nervous systems (Outcome 2)</p> <p>The heart, the structure of the heart muscle, regulation of heart work, conduction of impulses, the role of the heart muscle as a pump, cardiac cycle, regulation of heart work and rhythmic excitation of the heart (Outcome 2)</p> <p>Physiology of circulation, blood vessels and regulation of arterial pressure, hemodynamics in the arterial and venous trunk and microcirculation, mechanisms of short-term, medium-term and long-term regulation of circulation (Outcome 2)</p> <p>The role of the kidneys in creating urine and maintaining the composition of body fluids: structure of the nephron, glomerular filtration and tubular reabsorption, regulation of acid-base and electrolyte balance by the kidneys, concentration of urine</p>

	<ol style="list-style-type: none"> 1. Physiology of respiration, pulmonary ventilation: lung volumes and capacities, gas exchange between alveolus and blood your blood and tissues, transfer oxygen and carbon blood dioxide, regulation of breathing (Outcome 2) 2. Digestion, metabolism, and regulation of body temperature: movements in the digestive system, secretion and absorption in the digestive system, basics of catabolic and anabolic processes, metabolism of carbohydrates, fats, and proteins (Outcome 2) 3. Endocrine System: organization and regulation of endocrine system, principles hormonal feedback loops, function of hormones: pituitary gland, thyroid gland, parathyroid gland, adrenal gland, parotid gland, and gonads of men and women (Outcome 2) 4. Nervous System: motor and sensory axle, the role of back brain, brain stem, cerebellum basal ganglia, and motor cortex in motor control; feel, feel pain; functions of the autonomic nervous system. (Outcome 2) 5. Mutual relationships individual organic system in healthy man (Outcome 3) 6. General forms physiological reactions organism (Outcome 4) 7. Principles basic functional tests you their deviations from normal values (Outcome 5) 				
Types of teaching method	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work	<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other			
Comments	-				
Students' obligations	Regularly and conscientiously attendance in all forms of classes				
Monitoring and evaluating of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
	Attendance of classes	1 - 5	37	1.24	0
	Activities in classes	1 - 5	5.5	0.18	0 - 10
	Colloquium/oral	1 - 5	12	0.40	0 - 20
	colloquium/practical/oral	1 - 5	9	0.30	0 - 20
	In total		63.5	2.12	0-50 (50% grades)

	Closing exam/written	1 - 5	26.5	0.88	50% grades
	In total	1 - 5	90	3	100% grades
	Grade criteria	Activities in class	Colloquium/oral		colloquium/practical/oral

	Description	Preparation for teaching units Understanding the previous content Participation common task solving	Level of knowledge (ability analysis, synthesis and Grades) Structuredness and accuracy of answers Logically connecting the facts Usage of professional terms and concepts Correlation with related contents	Preparation/learning Theoretical knowledge Accuracy of exercise performance or display/multimedia	
	Points: min. - max.	0 - 10	0 - 20	0 - 20	
	Minimal number of points - passing threshold	5	10	10	
	Total	0 - 50			
	Total grade	Pass treshold	Score range	Grade	
		25 points	45 – 50	5 (excellent)	
			38 - 44.9	4 (very good)	
32 - 37.9			3 (good)		
	25 – 31.9	2 (satisfactory)			
Conditions for forming the final grade					
1. Regularly attend classes					
2. Actively participate in classes					
3. Pass colloquia					
4. Collect at least 50% points					

	<p>Final grade Final exam consists of: written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p>		
	% correct answers Final exam	Numerical Grade	
	90 – 100 %	5 (excellent)	
	80 – 89.9 %	4 (very good)	
	65 – 79.9 %	3 (good)	
	50 - 64.9 %	2 (satisfactory)	
	<p>Final grade Forming the Final grade: Based on the points achieved during classes and final exam. (teaching 50 % + closing exam 50%). In the ECTS system, the grade is expressed in the following way:</p>		
	% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade
	90 – 100 %	5 (excellent)	A
	80 – 89.9 %	4 (very good)	B
65 – 79.9 %	3 (good)	C	
50 -64.9 %	2 (satisfactory)	D	

Compulsory literature	<p>1. Guyton CA , Hall IS. Medical physiology, 13. ed. Zagreb: Medicinska naklada, 2017. 2. Hall ME, Hall IS. Medical physiology, 14. ed. Zagreb: Naklada Ljevak, 2021.</p>		
Additional literature	<p>1. Teaching texts</p>		
Number of copies in the library	Title	Number of copies	Number of students
	1. Guyton CA , Hall IS. Medical physiology, 13th ed. Zagreb: Medicinska naklada, 2017.	12	60
	2. Hall ME, Hall IS. Medical physiology, 14th ed. Zagreb: Naklada Ljevak, 2021.	12	60

Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences

Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.

Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.

GENERAL INFORMATION		
Course title	MICROBIOLOGY WITH PARASITOLOGY	
Course holder	MSc. Edita Sušić, MD, lecturer	
Study programme- undergraduate	Undergraduate Professional Study Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and forms of teaching	ECTS credits	3
	Hours (Lectures+ Exercises+ Seminars)	L-30, E -15

COURSE DESCRIPTION	
Course objectives	To acquaint students with the basics of microbiology and parasitology, the biological characteristics of microorganisms that cause infections, the chain that leads to the development of infection, methods of treating infection, and prevention of hospital infections.
Terms of course entry and required competences	There are no conditions
Expected learning outcomes on course level	<p>1 - explain the biological characteristics of microorganisms that cause infectious diseases in humans, their factors pathogenicity, ways of transmission ways defense man from infection</p> <p>2 - recognize way actions antimicrobial medicines and funds your mechanisms of resistance of microorganisms to these agents</p> <p>3 - explain basic laboratory diagnostics of pathogenic microorganisms and parasites</p> <p>4 - to state species samples for microbiological processing and the way theirs correctly transported to the microbiological laboratory</p> <p>5 - apply fundamental principles correct and safe laboratory of work you disinfection and sterilization procedures</p> <p>6 - explain methods of preventing hospital infections</p>
Course content	<ol style="list-style-type: none"> 1. Basic biological features the most important microorganisms and parasites who cause infections of individual organ systems in humans, ways of transmitting infections caused by microorganisms between humans, and ways of defending humans against infection, as well as the basics of microbiological diagnostics of infections of individual organ systems (Outcome 1) 2. Antimicrobial drugs and agents in the treatment of certain infections and mechanisms of resistance of microorganisms to these agents (Outcome 2) 3. Basics of microbiological diagnostics of pathogenic microorganisms and parasites in individual organ systems (Outcome 3) 4. Types samples for microbiological processing and way their correct transport to the microbiology laboratory (Outcome 4) 5. Basic principles of proper and safe laboratory work and disinfection procedures i sterilization (correct way of taking material for microbiological treatment, asepsis procedures - disinfection and sterilization) (Outcome 5) 6. Prevention and protection from hospital infection (Outcome 6)

Types of teaching method	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input checked="" type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
	Comments	-			
Students` obligations	Regularly and conscientiously attendance everyone shapes classes				
Monitoring and evaluating student work	Activities	Outcomes	Hours	ECTS	Points min. – max.
	Attendance	1 - 6	34	1,1	0
	Activity during classes	1 - 6	4	0.14	0 - 10
	Colloquium 1/written	1 - 6	15	0.50	0 - 20
	Colloquium 2/exercises/oral	1 - 6	9	0.30	0 - 10
	Activity during classes Total	1 - 6	62	2.04	0-40 (50% grades)
	Closing exam/written	1 - 6	28	0.95	50% grades
	Activity during classes Total	1 - 6	90	3	100%
	Evaluation criteria	Activity during classes	Colloquium 1/written		Colloquium 2/exercises/oral
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks together	Questions offered 4 answers from which only one is correct. The number of questions is 20 and each exact answer carries 1 point.		Preparation/learning Theoretical knowledge Accuracy of exercise performance or display/multimedia
Points: min. - max.	0 - 10	0 - 20		0 - 10	
Minimal number of points - passing threshold	5	10		5	
Activity during classes Total points	0 - 40				

	Total grade	Pass threshold	Points range	Grade												
		20 points	35 - 40	5 (excellent)												
			30 - 34.99	4 (very good)												
			26 - 29.99	3 (good)												
			20 - 25.99	2 (satisfactory)												
Conditions for accession to a final exam																
<p>1. Regularly attend classes</p> <p>2. Actively taking part in classes</p> <p>3. Pass colloquia</p> <p>4. Collect at least 50% points</p>																
Closing exam – grades criterion																
Closing exam consists of: written exam.																
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<table border="1"> <thead> <tr> <th>% correct answers Final exam</th> <th>Numerical grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> </tr> <tr> <td>50 – 64.9 %</td> <td>2 (satisfactory)</td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>					% correct answers Final exam	Numerical grade	90 – 100 %	5 (excellent)	80 – 89.9 %	4 (very good)	65 – 79.9 %	3 (good)	50 – 64.9 %	2 (satisfactory)		
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Forming final grades according to the Regulations on studying is the sum percentages of acquired																
knowledge, skill, and competence accomplished during classes and percentages on the final exam. (classes 50% + final exam 50%)																
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		65 – 79.9 %	3 (good)	C	
		50 -64.9 %	2(satisfactory)	D	
Compulsory literature	1. Kalenić S. Medicinska mikrobiologija. Zagreb: Medicinska naklada, 2013. 2. Bergovac J, i sur. Klinička infektologija. Zagreb: Medicinska naklada,2019.				
Additional literature	1. Cann A. Principles of Molecular Virology (6 th ed.). Academic Press, 2015				
Number of copies in the library	Title	Number of copies		Number of students	
	1. Kalenić S. Medicinska mikrobiologija. Zagreb: Medicinska naklada, 2013.	12		60	
	2. Bergovac J, i sur. Klinička infektologija. Zagreb: Medicinska naklada,2019.	12		60	
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.				

GENERAL INFORMATION		
Course title	BASICS OF PHYSICS, RADIOLOGY AND RADIATION PROTECTION	
Course holder	Josipa Jović Zlatović, MD, lecturer	
Study programme (Undergraduate, graduate)	Professional undergraduate nursing study	
Course status	Obligatory	
Year of study	1.	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L -20

COURSE DESCRIPTION		
Course objective	The aim of the course is to acquaint students with the basic principles of mechanics and statics based on examples which we find in human the body, and with basics radiological techniques and protection from radiation. Students should be trained to understand the basic physical principles in the human organism.	
Terms of course entry and required competences	None.	
Expected learning outcomes on the course level	<p>1 - explain elementary principles mechanics, hydrodynamics and hydrostatics you the impact of electromagnetic radiation and radioactivity on the human body</p> <p>2 - describe basic radiological equipment, their application in diagnostics and treatment and the radiation protection organization of the Republic of Croatia.</p> <p>3 - interpret Law on protect from radiation and its significance</p>	
Course content	<p>1. Force and energy, hydrodynamics and hydrostatics. Electromagnetic radiation and radioactivity and their impact on the human body (Outcome 1)</p> <p>2. Radiological devices and techniques you their application in diagnostics and treatment. Organization of radiation protection in the Republic of Croatia. (Outcome 2)</p> <p>3. Law on protect from radiation and its importance (Outcome 3)</p>	
Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> education on the distance <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other
Comments	-	

Students' obligation	Regularly and conscientiously attendance in all forms of classes					
Monitoring and evaluation of students work	Activities	Outcomes	Hours	ECTS	Points min. – max.	
	Attendance	1 - 3	15	0.5	0	
	Activity during classes	1 - 3	7.5	0.25	0 - 10	
	Colloquium/oral	1 - 3	15	0.50	0 - 20	
	Total	1 - 3	37.5	1.25	0 – 30 (50% of the grade)	
	Final exam/written	1 - 3	22.5	0.75	50% grades	
	Total	1 - 3	60	2	100% grades	
	Grade criteria	Activity during classes		Colloquium/oral exam		
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks together		Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content		
	Points: min. - max.	0 - 10		0 - 20		
	Minimal number of points - passing threshold	5		10		
	Total	0 - 30				
	Total grade	Pass threshold	Points range	Grade		
		15 points	26 - 30 23 - 25.99	5 (excellent) 4 (very good)		

		19 - 22.99	3 (good)															
		15 - 18.99	2 (satisfactory)															
<p>Conditions for forming the final grade:</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquium 4. Collect at least 50% points 																		
<p>Final grade The closing exam consists of: written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p> <table border="1" data-bbox="722 936 1241 1258"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> </tr> <tr> <td>50 – 64.9 %</td> <td>2 (satisfactory)</td> </tr> </tbody> </table>				% of acquired knowledge, skills and competencies	Numerical grade	90 – 100 %	5 (excellent)	80 – 89.9 %	4 (very good)	65 – 79.9 %	3 (good)	50 – 64.9 %	2 (satisfactory)					
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<p>Final grade</p> <p>Forming the Final grade: Based on the points achieved during classes. In the ECTS system, the grade is expressed in the following way:</p> <table border="1" data-bbox="584 1487 1273 1832"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical grade</th> <th>ECTS - grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64.9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </tbody> </table>				% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade	90 – 100 %	5 (excellent)	A	80 – 89.9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64.9 %	2 (satisfactory)	D
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Compulsory literature	<ol style="list-style-type: none"> 1. Klanfar Z, i sur. Radiološka tehnologija u praksi. Zagreb: Zdravstveno veleučilište/Naklada Slap, 2009. 2. Brnjas-Kraljević J, Krilov D. Fizika za studente medicine. Zagreb: Medicinska naklada, 2012. 																	
Additional literature	<ol style="list-style-type: none"> 1. Biophysics: Searching for Principles (online) 2011. https://www.princeton.edu/~wbialek/PHY562/WB_biophysics110918.pdf 																	

Number of copies in the library	Title	Number of copies	Number of students
	1.Klanfar Z, i sur. Radiološka tehnologija u praksi. Zagreb: Zdravstveno veleučilište/Naklada Slap, 2009.	12	60
	2.Brnjias-Kraljević J, Krilov D. Fizika za studente medicine. Zagreb: Medicinska naklada, 2012.	12	60
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and other.</p>		

GENERAL INFORMATION		
Course title	BASICS OF CHEMISTRY AND BIOCHEMISTRY	
Course holder	Assoc. Ph.D. Marko Skelin, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and method of teaching	ECTS credits	2
	Number hours (L+E+S)	L-20, E-5, S-5

COURSE DESCRIPTION			
Course objectives	The student will be familiar with the basic principles of the structure and function of organic compounds that we find in humans to the body you will be able to understand basic biochemical processes in human organisms.		
Terms of course entry and required competencies	None		
Expected learning outcomes on the course level	<p>1 - explain the elementary principles structures of protein, carbohydrates, lipids, and nucleic acids</p> <p>2 - expose the function of the most significant protein, carbohydrates, and lipids in the human organism;</p> <p>3 - explain elementary principles of digestion and metabolism</p>		
Course content	<p>1. Structure and function of protein, carbohydrates, lipids, enzymes, coenzymes and nucleic acids, structure and properties of DNA and RNA (Outcome 1)</p> <p>2. Function the most significant protein, carbohydrates, and lipids in the human organism (Outcome 2)</p> <p>3. Elementary principles of digestion and metabolism. - digestion and absorption protein, lemon cycle acid, oxidative phosphorylation. biological membranes and membrane transfer (Outcome 3)</p>		
Types of teaching method	<table border="0"> <tr> <td style="vertical-align: top;"> <input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work </td> <td style="vertical-align: top;"> <input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other </td> </tr> </table>	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work	<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other
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Students' obligations	Regularly and conscientiously attendance of all forms of classes		

Monitoring and evaluation of students work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
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	Attendance classes	1 - 3	19	0.64	0
	Activity during classes	1 - 3	3.5	0.15	0 - 10
	Seminar/work in group	1 - 3	2	0.03	0 - 10
	In total	1 - 3	24.5	0.82	0 – 20 (50% grades)
	Final exam/written	1 - 3	5.5	0.18	50% grades
	In total	1 - 3	30	1	100%
	Grade criteria	Activities during classes	Seminar/work in group		
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks together	Solving tasks in the field of medicine, chemistry and biochemistry		
	Points: min. - max.	0 - 10	0 - 10		
	Minimal number of points - passing threshold	5	5		
	Total	0 - 20			
	Total grade	Pass threshold	Score range	Grade	
		10 points	19 - 20	5 (excellent)	
			17 - 18.99	4 (very good)	
			14 - 16.99	3 (good)	
			10 - 13.99	2 (satisfactory)	

Conditions for forming the final grade

1. Regularly attend classes
2. Actively taking part during classes
3. Pass colloquia
4. Collect at least 50% points

Final grade

Final exam consists of: written exam.

If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:

% correct answers Final exam	Numerical Grade
90 – 100 %	5 (excellent)
80 – 89.9 %	4 (very good)
65 – 79.9 %	3 (good)
50 - 64.9 %	2 (satisfactory)

Final grade

Forming the Final grade: Based on the points achieved during classes and final exam.

(classes 50 % + closing exam 50%). In the ECTS system, the grade is expressed in the following way:

% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade
90 – 100 %	5 (excellent)	A
80 – 89.9 %	4 (very good)	B
65 – 79.9 %	3 (good)	C
50 -64.9 %	2 (satisfactory)	D

Compulsory literature

1. Sertić J, i sur. Klinička kemija i molekularna dijagnostika u kliničkoj praksi (2.izd.). Zagreb: Medicinska naklada, 2015.
2. Berg JM, Tymoczko JSL. Biokemija. Zagreb: Medicinska naklada, 2013. (prijevod)

Additional literature

1. Lutkić A, Jurić A. Biokemija. Zagreb: Medicinska naklada, 2008
2. Harperova ilustrirana biokemija (28 izdanje). Zagreb: Školska knjiga, 2010.
3. Glavaš-Obrovac Lj. i sur. Interni priručnik za seminare i vježbe iz medicinske kemije i biokemije 2. Osijek: Medicinski fakultet Osijek, 2010

Number of copies in the library	Title	Number of copies	Number of students
	Sertić J., i sur. Klinička kemija i molekularna dijagnostika u kliničkoj praksi (2.izd.). Zagreb: Medicinska naklada, 2015. .	12	60
	Topić E., Primorac D, Janković S. Medicinska biokemija i laboratorijska medicina u kliničkoj praksi,II izdanje. Zagreb: Medicinska naklada; 2018	12	60
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>		

GENERAL INFORMATION		
Course title	BASIC NURSING CARE I	
Course holder	Andrea Vukša, MSN, lecturer	
Study programme (Undergraduate, graduate)	Professional undergraduate nursing study	
Course status	Obligatory	
Year of study	1.	
Credit score and forms of teaching	ECTS credits	5
	Number of hours (Lectures+Exercises+Seminars)	L-30, E-105, S- 15

COURSE DESCRIPTION	
Course objectives	To acquaint students with the basics of nursing and health care and basic nursing skills practices. Acquired Knowledges they need enable to students understanding nursing, jobs and duties medical sister you offer basics on which will are develop further Knowledges and skills during and after completion study.
Terms of course entry and required competences	None.
Expected learning outcomes on the course level	<p>1 - describe the history of the development of nursing in the world and in Croatia, the nature of nursing characteristics and principles health care, concepts and conceptual models, basic theories of health care and the role of the main theorists of nursing</p> <p>2 - describe elective/emergency reception, transfer and release the patient</p> <p>3 - demonstrate procedures asepsis: disinfection, sterilization and controls sterilization</p> <p>4 – demonstrate measurement of vital signs/pulse, breathing, blood pressure/temperature, temperature curves, deviations from normal one’s values and meaning quiet deviations</p>
Course content	<ol style="list-style-type: none"> 1. History development nursing in the world and in Croatia. Nature nursing, definitions of health care, characteristics and principles of health care, concepts and conceptual models, basic theories of health care (F. Nightingale, V, Henderson, D. Orem, M. Rogers), types of health care theories, main theorists in nursing (Outcome 1) 2. Reception urgent and elective patient, transfer and release patient, nursing documentation, discharge letter (Outcome 2) 3. Principles aseptic work, procedures disinfection, preparation material and sets for sterilization, sterilization procedures, sterilization control methods. (Outcome 3) 4. Vital signs: <ol style="list-style-type: none"> a. Pulse - physiology of the pulse, normal pulse values and deviations in the relationship on rhythm, fullness and frequency, places for measurement, measurement and recording the pulse value. b. Breathing – physiology breathing, normal values breathing and deviations in relationship on frequency, depth and rhythm, pathological forms breathing, ways of measuring breathing values and recording

	<p>c. Blood pressure - physiology of blood pressure, types of blood pressure: normal values of blood pressure, diastolic/systolic blood pressure, hypotension/hypertension, convergent/divergent pressure, methods of measuring blood pressure; blood pressure measurement procedure and recording</p> <p>d. Temperature - causes of body temperature disorders/physiological and pathological conditions; temperature values - normal, subfebrile, febrile and highly febrile, temperature curves, types of thermometers, methods of temperature measurement, recording of temperature values, procedures for lowering the temperature depending on the cause, health care of febrile and highly febrile patients, procedure with hypothermic patients. Recording of vital signs in the nursing patient's documentation (Outcome 4)</p>				
Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> education on the distance <input type="checkbox"/> field teaching		<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
Comments	-				
Student's obligations	Regularly and conscientiously attendance in all forms of classes				
Monitoring and evaluation of students work	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 4	112	3.7	0
	Activity during classes	1 - 4	6	0.20	0 - 10
	Seminar/prepara tion and presentation	1 - 4	6	0.20	0 - 20
	Colloquium 1/oral	1 - 4	7	0.25	0 - 20
	Total	1 - 4	131	4.35	0-50 (50% grades)
	Final exam/written	1 - 4	19	0.65	50% grades
	Total	1 - 4	150	5	100%

Grade criteria		Activity during classes	Seminar/preparation and presentation	Colloquy/ oral exam	CLINICAL EXERCISES
Description		Preparation for teaching units Understanding previous content Participation in solving tasks together	Organization/structure of work Vocabulary and grammar Expertise and professional terminology Writing style Citation and citing of references Presentation/multimedia	Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content	Exercises/activities and interventions provided in the Booklet for monitoring and evaluating clinical exercises and clinical practices are not evaluated as summative. Success in performing exercises is described as: <ul style="list-style-type: none"> • adopted • not adopted
Points: min. - max.		0 - 10	0 - 20	0 - 20	
Min. number of points-passing threshold		5	10	10	
Total		0 - 50			
Total grade	Pass threshold	Points range	Grade		
	25 points	45 – 50 38 - 44.9	5 (excellent) 4 (very good)		

		32 - 37.9	3 (good)								
		25 - 31.9	2 (satisfactory)								
<p>Conditions for forming the final grade:</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2) Actively taking part in classes/get positive assessment 4) Pass colloquium - student must pass oral colloquium to access clinical exercises 5) Get positive assessment from seminars 6) Adopt clinical exercises: <ul style="list-style-type: none"> - of all the mentioned interventions and activities, at least 90% must be adopted - the remaining 10 % of exercises can be transferred during exercises in the course Basics of health care I 6. Collect at least 50 % points 											
<p>CLINICAL EXERCISES</p> <p>Exercises/activities and interventions which are foreseen in Booklets for tracking and evaluation of clinical exercises and clinical practices are not evaluated numerically.</p> <p>Success in performance exercises describes as:</p> <ul style="list-style-type: none"> • Exercise is adopted • Exercise is not adopted <p>For the student to be able to take the final exam, 90% of the planned interventions and activities must be adopted. 10% of foreseen intervention and activity can be transferred to the course Basics of health care II.</p>											
<p>Final grade</p> <p>Final exam consists of: written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p> <table border="1" data-bbox="683 1697 1193 1960"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> </tr> </tbody> </table>				% of acquired knowledge, skills and competencies	Numerical grade	90 – 100 %	5 (excellent)	80 – 89.9 %	4 (very good)	65 – 79.9 %	3 (good)
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	<p>Final grade</p> <p>Forming the Final grade: Based on the points achieved during classes. In the ECTS system, the grade is expressed in the following way:</p> <table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical grade</th> <th>ECTS - grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64.9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>			% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade	90 – 100 %	5 (excellent)	A	80 – 89.9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64.9 %	2 (satisfactory)	D			
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Compulsory literature	<ol style="list-style-type: none"> Čukljek S. Osnove zdravstvene njege. Zagreb: Zdravstveno veleučilište, 2005. Henderson V. Osnovna načela zdravstvene njege. HUSE i HUMS, Zagreb, 1994. Kalauz S, i sur. Standardizirani postupci u zdravstvenoj njezi. Zagreb: HKMS. 2022. 																				
Additional literature	<ol style="list-style-type: none"> Rosdahl, CB., Kowalski, MT. Textbook of basic nursing JB Lippincott Company, Philadelphia, 2011. Perry A. MR., Potter P. A.: Clinical Nursing Skills & Techniques. Mosby St. Louise 2014. Burton M. at al. Fundamentals of Nursing Emperor: concepts, Connections & Skills Third Edition FA Davis Company, 2018. 																				
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GENERAL INFORMATION		
Course title	THE PROCESS OF NURSING CARE I	
Course holder	Vesna Bušac, MSN, lecturer Ana Žepina Puzić, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and method of teaching	ECTS credits	5
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-30, E-90, S- 15

COURSE DESCRIPTION	
Course objectives	To meet students with process health care as basic model in taking care of the patient and his/her basic human needs and planning health care: with nursing history, nursing diagnoses, goals, interventions and grade to enable students to understand principles of work in all areas of health care.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<ul style="list-style-type: none"> O 1 - explain theoretical principles and processes of health care including connection with nursing theories O 2 - explain hierarchy of basic human needs according to concept by Virginia Henderson and forms of health functioning (M Gordon) O 3 – explain health care structure plane in all its phases O 4 - demonstrate making of health care plan

Course content	<ol style="list-style-type: none"> 1. Theoretical principles and health care processes and connection with nursing theories – F. Nightingale, D. Orem, M. Rogers, V. Henderson (Outcome 1) 2. Hierarchy of basic life needs (Maslow) and application of the theory and concept of satisfying basic life needs according to Virginia Henderson and patterns of health functioning (M Gordon) (Outcome 2) 3. Creation of the structure of the health care plan and nursing documentation. Detailed analysis of all stages in the process of health care and nursing documentation (Outcome 3) 4. Production of health care plan: <ol style="list-style-type: none"> a. Data collection: data types, data sources, methods of collection data and aids; analysis and synthesis of data, grade of collected data b. Nursing diagnoses: current nursing diagnoses, potential nursing diagnoses, high-risk nursing diagnoses, methods of formulating nursing diagnoses, relationship between nursing diagnoses and medical diagnoses c. Defining Health Care Outcomes/SMART - technique, outcome Grade, outcome measurement methods and tools d. Interventions and activities (depending on the set outcome, guidelines or algorithms) e. Evaluation/reevaluation of health care plan (Outcome 3) 5. Planning, implementation and evaluation of health care/simulation: determination of health care needs, assessment according to the concept of basic human needs V. Henderson, planning health care (gathering data/
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	nursing anamnesis, types and setting nursing diagnosis, defining goals and interventions and health care evaluation (Outcome 4)				
Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> education on the distance <input type="checkbox"/> field teaching		<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
Comments	-				
Students` obligations	Regularly and conscientiously attendance of all forms of classes				
	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
	Attendance classes	1 - 4	112	3.7	0
	Activity during classes	1 - 4	6	0.20	0 - 10
	Seminar/production and presentation	1 - 4	6	0.20	0 - 20

Monitoring and evaluation of students' work	Colloquium 1/oral	1 - 4	7	0.25	0 - 20
	In total	1 - 4	131	4.35	0-50 (50% grades)
	Closing exam/written	1 - 4	19	0.65	50% grades
	In total	1 - 4	150	5	100%
	Criteria Grade	Activities in class	Seminar/production and exposure	Colloquy/ oral	CLINICAL EXERCISES
	Description	Preparation for teaching units	Organization/structure of work Vocabulary and grammar	Level of knowledge (ability to analyse, synthesis and Grades)	Exercises/activities and interventions provided in

	Understanding previous content Participation in solving tasks together	Expertise and professional terminology style writing Citation and citing references Exposure/multi media	Structuredness and answer accuracy Logical linking of facts Mastery of professional terms and concepts Correlation with related content	Booklets for monitoring and evaluating clinical exercises and clinical practices are not evaluated as summative. Success in performing exercises is described as: <ul style="list-style-type: none"> • Adopted • it is not adopted
Points: min. - max.	0 - 10	0 - 20	0 - 20	
Min. number of points-passing threshold	5	10	10	
Total points	0 - 50			

	Pass treshold	Score range	Grade
Total grade	25 points	45 – 50	5 (excellent)
		38 - 44.9	4 (very good)
		32 - 37.9	3 (good)
		25 - 31.9	2 (satisfactory)
<p>Conditions for forming the final grade</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes/get positive assessment 3. Pass colloquium <ul style="list-style-type: none"> - students must pass oral colloquium to access clinical exercises 4. Get positive assessment from seminars 5. Exercises: - at least 90% of the activities listed for the course in the Monitoring and Grade Booklet exercises and clinical practices should be adopted. Others 10 % it can be transferred in course/II in the next semester. 			

	6. Collect at least 50 % points
	<p>CLINICAL EXERCISES</p> <p>Exercises/activities and interventions which are foreseen in Booklets for tracking and evaluation of clinical exercises and clinical practices are not evaluated numerically.</p> <p>Success in performance exercises describes as :</p> <ul style="list-style-type: none"> • Exercise is adopted • Exercise it is not adopted <p>For the student to be able to take the final exam, 90% of the planned interventions and activities must be adopted. 10% of foreseen intervention and activity can be transferred to the course Health care process II.</p>
	<p>Final grade</p> <p>Closing exam consists of: written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p>

	<p>Final grade</p> <p>Formation of the Final grade according to the Rulebook on studying is the sum of the percentages of acquired knowledge, skills and competences achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%)</p> <table border="1" data-bbox="454 398 1145 705"> <thead> <tr> <th>% correct answers Final exam</th> <th>Numerical Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> </tr> <tr> <td>50 - 64.9 %</td> <td>2 (satisfactory)</td> </tr> </tbody> </table> <table border="1" data-bbox="491 761 1168 1153"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical grade</th> <th>ECTS - grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64.9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>			% correct answers Final exam	Numerical Grade	90 – 100 %	5 (excellent)	80 – 89.9 %	4 (very good)	65 – 79.9 %	3 (good)	50 - 64.9 %	2 (satisfactory)	% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade	90 – 100 %	5 (excellent)	A	80 – 89.9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64.9 %	2 (satisfactory)	D			
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<p>Compulsory literature</p>	<ol style="list-style-type: none"> 1. Fučkar, G. Proces zdravstvene njege. Medicinski fakultet Sveučilišta u Zagrebu., Zagreb, 1995. 2. Abou Aldan, D. i sur. Sestrinske dijagnoze 3. HKMS. Zagreb. 2015. 3. Fučkar, G. Uvod u sestrinske dijagnoze. HUSE. Zagreb. 1996. 4. Čukljek, S. Proces zdravstvene njege i odabrane sestrinske dijagnoze. Zdravstveno veleučilište Zagreb, Zagreb, 2023. 5. Šepec, S. i sur. Sestrinske dijagnoze. Hrvatska Komora Medicinskih Sestara. Zagreb, 2011. 6. Kadović, M. i sur. Sestrinske dijagnoze II. Hrvatska Komora Medicinskih Sestara. Zagreb, 2013.. 																														
<p>Additional literature</p>	<ol style="list-style-type: none"> 1. https://dl.uswr.ac.ir > bitstream > Hannah 2. HANDBOOK OF Nursing DIAGNOSIS, 14th EDITION - pdf 3. Alfaro-LeFevre R. Applying Nursing Process: The Foundation for Clinical Reasoning, LWW; 2013. 																														
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<p>the library</p>	<p>1. Fučkar, G. Proces zdravstvene njege. Medicinski fakultet Sveučilišta u Zagrebu.,Zagreb, 1995.</p> <p>2. Abou Aldan, D. i sur. Sestrinske dijagnoze 3. HKMS. Zagreb. 2015.</p> <p>3. Fučkar, G. Uvod u sestrinske dijagnoze. HUSE. Zagreb. 1996.*(na hrvatskom jeziku jedina literatura)</p> <p>4. Čukljek, S. The process of nursing care and selected nursing diagnoses. Zagreb University of Health, Zagreb, 2023.</p> <p>5. Šepec, S. et al. Nursing diagnoses. Croatian Chamber of Nurses. Zagreb, 2011.</p> <p>6. Kadović, M. et al. Nursing diagnoses II. Croatian Chamber of Nurses. Zagreb, 2013.</p>	<p>12</p>	<p>60</p>
<p>Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences</p>	<p>Control quality of work students and acquisitions necessary knowledge and skill insured will are through interactive work. By keeping records of students' attendance and activities in class and the information obtained about students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ -and on yearly condition of employment students, surveys the employer and associations Alumni and the others.</p>		

GENERAL INFORMATION

Course title	SOCIAL AND HEALTH LEGISLATION		
Course holder	Vesna Jurin Bakotić, senior lecturer		
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing		
Course status	Obligatory		
Year of study	1.		
Credit points and method of teaching	ECTS credits	2	
	Number hours (Lectures)	L-30	

COURSE DESCRIPTION

Course objectives	To acquaint students with basic concepts and basic contents in the field of health rights, with work and organization of professional chamber, with fundamental criteria for the legal responsibilities of healthcare workers, the rights and obligations of healthcare workers in the performance of their activities, and the fundamental rights of patients.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<ol style="list-style-type: none">1. Explain terms and basic facilities for healthcare rights2 - analyse fundamental criteria for legal responsibilities of health employees, rights and the obligations of healthcare workers in the performance of their activities3 - explain the work and organization of a professional chamber4 - explain the position of healthcare workers in relationship to disciplinary, civil and criminal liability5 - integrate the rights of the patient in everyday practice

Course content	<ol style="list-style-type: none"> 1. Term and content healthcare rights, relationship according to others scientific branches and principles performance health activities, term health protection and social care for health, health protection measures, levels of health activity, content and organizational forms of health activity, health institutions (Outcome 1) 2. Rights and obligations of health workers in the performance their activities (providing and denial of help), mutual relations between health workers and patients, the appeal of conscience, professional secrecy, the obligation to report errors and omissions, keeping and keeping medical records, choosing another doctor, searching the doctor's office, health workers as witnesses and experts, ensuring the quality of the health service provided (professional training, professional supervision of the work of healthcare workers) (Outcome 2) 3. Work and organization of professional chambers - chambers of health workers (Obligation to join the Chamber; Exceptions from mandatory membership in the Chamber; Public powers of the Chamber; Affairs of the Chamber; Bodies of the Chamber; Supervision of the work of the Chamber; Cooperation of the Chamber with the ministry responsible for health and other bodies; Information Chambers; General Acts Chambers – Statute; Financing of work Chambers; Fund mutual help; Payment membership fees and others financial obligations member chambers) (Outcome 3) 4. Disciplinary liability of healthcare workers (Disciplinary violations; Serious and minor disciplinary violations; Disciplinary bodies; Disciplinary measures; Fines; Initiation of disciplinary proceedings; Appropriate application of the law; Statute of limitations; Misdemeanor liability), criminal and civil liability (Outcome 4) 5. Fundamental rights patients, Charters on rights patients (Outcome 5)
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Types of teaching method	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> education on the distance <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other			
Comments	-				
Students` obligations	Regularly and conscientiously attendance in all forms of classes				
	Activities	Outcomes	Number of hours	ECTS	Points min. – max.

Monitoring and evaluation of students' work					
	Attendance classes	1 - 5	22	0.74	0
	Activities during classes	1 - 5	7.5	0.25	0 - 20
	Colloquium 1/oral	1 - 5	11.5	0.38	0 - 20
	In total	1 - 5	41	1.37	0-40 (50% grades)
	Closing exam/written	1-5	19	0.63	50% grades
	In total	1 - 5	60	2	100%
	Grade criteria	Activities in class	Colloquium/oral		
	Description	Preparation for teaching units Understanding the previous content Participation in common solving tasks	Level of knowledge (ability analysis, synthesis and Grades) Structuredness and accuracy of answers Logically connecting the facts Mastering professional terms and concepts Correlation with related contents		
	Points: min. - max.	0 - 20	0 - 20		

	Minimal number of points - passing threshold	10		10	
	Total	0 - 40			
		Pass threshold	Score range	Grade	

Total grade	20 points	35 - 40	5 (excellent)
		30 - 34.99	4 (very good)
		26 - 29.99	3 (good)
		20- 25.99	2 (satisfactory)

Conditions for forming the final grade

1. Regularly attend classes
2. Actively participate in classes
3. Pass colloquia
4. Collect at least 50% points

Final grade

Final exam consists of: written exam.

If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:

% correct answers Final exam	Numerical Grade
90 – 100 %	5 (excellent)
80 – 89.9 %	4 (very good)
65 – 79.9 %	3 (good)
50 - 64.9 %	2 (satisfactory)

Final grade

Forming the Final grade: Based on the points achieved during classes and final exam. (classes 50 % + closing exam 50%). In the ECTS system, the grade is expressed in the following way:

% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade
90 – 100 %	5 (excellent)	A
80 – 89.9 %	4 (very good)	B
65 – 79.9 %	3 (good)	C
50 -64.9 %	2 (satisfactory)	D

Compulsory literature	<p>1. Čizmić J, Žunić Lj. Osnove zdravstvenog prava. Split: Sveučilište u Splitu, Sveučilišni odjel zdravstvenih studija, 2014.</p> <p>2. Europska povelja o pravima pacijenata – Dostupno: http://www.dzbiha.com › dokumenti › evropska</p> <p>3. Zakon o zaštiti prava pacijenata - Zakon.hr</p> <p>1. https://www.zakon.hr › Zakon-o-zaštiti-prava-pacijenata</p>		
Additional literature	<p>Čizmić, J, Klarić. A, Cvitković M, Zdravstveno strukovno staleško parvo. Maribor: Sveučilište u Mariboru, 2017.</p>		
Number of copies in the library	Title	Number of copies	Number of students
	<p>1. Čizmić J, Žunić Lj. Osnove zdravstvenog prava. Split: Sveučilište u Splitu, Sveučilišni odjel zdravstvenih studija, 2014.</p>	12	60
	<p>2. Europska povelja o pravima pacijenata – Dostupno: http://www.dzbiha.com › dokumenti › evropska</p>	12	60
	<p>3. Zakon o zaštiti prava pacijenata - Zakon.hr https://www.zakon.hr › Zakon-o-zaštiti-prava-pacijenata</p>	12	60
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>		

GENERAL INFORMATION

Course title	PATIENT SAFETY	
Course holder	Snježana Jušić, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Optional	
Year of study	1.	
Credit points and method of teaching	ECTS credits	2
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-15, E-15

COURSE DESCRIPTION

Course objectives	The course aims to acquaint students with all components of patient safety culture in healthcare institutions: recognition of risks that endanger the safety of the patient and education of health workers for prevention.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<ol style="list-style-type: none">1 - explain the importance of permanent advancements in patient security quality and health personnel in health institutions2 - analyse possible risks that endanger the safety of the patient in individual health institutions3 - apply measures on risks prevention that endanger the safety of the patient and healthcare professionals4 - spend educating staff, patients and families of the patient with the goal of promoting a safety culture
Content content	<ol style="list-style-type: none">1. Culture of security for patients and health employees in health institutions and measures for its improvement (Outcome 1)2. Risk factors that endanger safety of patients and health workers and ways to prevent possible risks (Outcome 2)3. Principles of implementing measures of patients and of health employees security in healthcare institutions (Outcome 3)4. Education of patients, health employees and family members of the patient to improve the safety culture (Outcome 4)5. multidisciplinary and interdisciplinarity in construction of security culture (Outcome 4)

Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> education on the distance <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other

Students' obligations Regularly and conscientiously attendance in all forms of classes

Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
		Attendance classes	1 - 3	22	0.70
	Activities during classes	1. 3	9	0.30	0 - 10
	Colloquium 1/oral	1 - 3	12	0.40	0 - 10
	Production plan/ risk prevention	1 - 3	18	0.60	0 - 10
	In total	1 - 3	60	2	0 – 30 (100%)
	Final exam not taken				
	In total	1 - 3	60	2	100%

Grade criteria	Activities during classes	Colloquium/oral	Production plan
Description	Preparation for teaching units Understanding previous content Participation in solving tasks together	Preparation/learning Theoretical knowledge Accuracy of exercise performance or display/multimedia	Preparation for the creation of the plan: data collection - identification of risks Draft plan - projection of preventive activities Grade – measuring instruments
Points: min. - max.	0 - 10	0 - 10	0 - 10
Minimal number of points - passing threshold	5	5	5
Total	0 - 30		
Total grade	Pass threshold	Score range	Grade
	15 points	26 - 30	5 (excellent)
		23 - 25.99	4 (very good)
		19 - 22.99	3 (good)
		15 - 18.99	2 (satisfactory)

	<p>Conditions for Final grade:</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes 3. Pass colloquium 5. To create risks prevention plan for safety of patients on clinical department - positive assessment 6. Positive clinical assessment exercises (adopt exercises) 7. Collect at least 50% points
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	CLINICAL EXERCISES																	
	Exercises/activities and interventions which are foreseen in Booklets for tracking and evaluation of exercises and clinical practices are not evaluated numerically.																	
	Success in performance exercises describes as: <ul style="list-style-type: none"> • Exercise is adopted • Exercise it is not adopted 																	
	Final exam was not taken.																	
	The grade is expressed in the following way:																	
	<table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical Grade</th> <th>ECTS - Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64.9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </tbody> </table>			% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade	90 – 100 %	5 (excellent)	A	80 – 89.9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64.9 %	2 (satisfactory)	D
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Compulsory literature	1. Europska povelja o pravima pacijenata – dostupno na: http://www.dzbihac.com/dokumenti/evropska_povelja_o_pravima_pacijenata.pdf 2. Pravilnik o standardima kvalitete zdravstvene zaštite i načinu njihove primjene, Narodne novine, br. 79/11 – dostupno na: https://narodne-novine.nn.hr/clanci/sluzbeni/2011_07_79_1693.html 1.																	
Additional literature	1. Kalauz S. Organizacija, upravljanje i administracija u zdravstvenoj njezi. Zagreb: Medicinska naklada, 2015. 2. Nastavni tekstovi 3. Aiken LH, Sermeus W, Vanden Heede K, et al. Patient safety, satisfaction, and quality of hospital care: cross sectional surveys of nurses and patients in 12 countries in Europe and the United States. British Medical Journal. BMJ 2012;344:2012.																	
Number of copies	Title	Number	Number															
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	1. Europska povelja o pravima pacijenata – dostupno na: http://www.dzbihac.com/dokumenti/evropska_povelja_o_pravima_pacijenata.pdf	12	60															

	<p>2. Pravilnik o standardima kvalitete zdravstvene zaštite i načinu njihove primjene, Narodne novine, br. 79/11 – dostupno na: https://narodne-novine.nn.hr/clanci/sluzbeni/2011_07_79_1693.html</p>	12	60
<p>Quality control methods that ensure acquisition output knowledge, skill and competence</p>	<p>Control quality of work students and acquisitions necessary knowledge and skill insured will be through interactive work. By keeping records of students' attendance and activities in classes, as well as the information obtained about students' progress through colloquia, the information necessary for further instructions students in order to increase efficiency their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on yearly condition of employment students, surveys the employer and associations Alumni and others.</p>		

GENERAL INFORMATION		
Course title	TEAMWORK IN NURSING	
Course holder	Nikolina Višnjić Junaković, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Optional	
Year of study	1.	
Credit score and method of teaching	ECTS credits	2
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-15, E -15

COURSE DESCRIPTION										
Course objectives	To introduce students with the forming of teams, team dynamic, team work in healthcare, including interdisciplinary, multidisciplinary and transdisciplinary work.									
Terms of course entry and required competencies	None									
Expected learning outcomes on the course level	1 - explain the principles of team of work and construction of the team 2 - describe group dynamics and ways of management in the team 3 - apply principles of nurses in work at inter-multi and transdisciplinary teams									
Content content	1. Forming team and its construction (Outcome 1) 2. Group dynamics in a team and ways of team management (Outcome 2) 3. Principles of nursing work in inter-multi and transdisciplinary teams (Outcome 3)									
Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> education on the distance <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other								
Comments	-									
Students' obligations	Regularly and conscientiously attendance in all form of classes									
Monitoring and evaluation of students' work	Activities	<table border="1"> <thead> <tr> <th>Outcomes</th> <th>Number of hours</th> <th>ECTS</th> <th>Points min. – max.</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Outcomes	Number of hours	ECTS	Points min. – max.				
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	Attendance classes	1 - 3	22	0.70	0
	Activity during classes	1 - 3	9	0.30	0 - 10

	Colloquium 1/oral	1 - 3	12	0.40	0 - 10
	Exercise/team work	1 - 3	18	0.60	0 - 10
	In total	1 - 3	60	2	0 – 30 (100% grades)
	Closing exam is not taken				
	In total	1 - 3	60	2	100%
	Grade criteria	Activities during class	Colloquium/oral	Practice/play role in the team	
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks	Preparation/learning Theoretical knowledge Accuracy of exercise performance or display/multimedia	Plan preparation: Assignment role Preparation of roles Role playing Grade	
	Points: min. - max.	0 - 10	0 - 10	0 - 10	
	Minimal number of points - passing threshold	5	5	5	
	Total	0 - 30			
	Total grade	Pass treshold	Score range	Grade	
		15 points	26 - 30	5 (excellent)	
			23 - 25.99	4 (very good)	
			19 - 22.99	3 (good)	
			15 - 18.99	2 (satisfactory)	
	Conditions for forming Final grades				
	1. Actively participate in classes				
	3. Pass colloquia				
	4. Positively evaluated work in practice group				
	5. Collect at least 50% points				

	Final exam not taken
	Final grade Forming Final grades: the collected points during classes.

	system Grade are shows on following way:															
	<table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical Grade</th> <th>ECTS - Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64.9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </tbody> </table>	% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade	90 – 100 %	5 (excellent)	A	80 – 89.9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64.9 %	2 (satisfactory)	D
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65 – 79.9 %	3 (good)	C														
50 -64.9 %	2 (satisfactory)	D														

Compulsory literature	<ol style="list-style-type: none"> 1. Kalauz S. Organizacija, upravljanje i administracija u zdravstvenoj njezi. Zagreb: Medicinska naklada, 2015. 2. Hoolp L, Upravljanje timovima. Zagreb: Mate d.o.o. 2014
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Additional literature	<ol style="list-style-type: none"> 1. West M. Tane uspješnog upravljanja timom. Zagreb: Školska knjiga. 2006.
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	Title	Number of copies	Number of students
Number of copies in the library	Kalauz S. Organizacija, upravljanje i administracija u zdravstvenoj njezi. Zagreb: Medicinska naklada, 2015.	12	60
	Hoolp L., Upravljanje timovima. Zagreb: Mate d.o.o. 2014	12	60

Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control quality of work students and acquisitions necessary knowledge and skill insured will are through interactive work. By keeping records of students' attendance and activities in class and the information obtained about students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ -and on yearly condition of employment students, surveys the employer and associations Alumni and the others.</p>
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GENERAL INFORMATION		
Course title	PROTECTION OF PATIENTS' RIGHTS IN HEALTHCARE SYSTEM	
Course holder	Sanja Veštić Mirčeta, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Optional	
Year of study	1.	
Credit score and method of teaching	ECTS credits	2
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-15, S- 15

COURSE DESCRIPTION	
Course objectives	The goal of the course is to provide introduction to rights that patients are entitled to as well as means of protection and of promoting of patients rights.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<ol style="list-style-type: none"> 1. explain the patient right right to recive quality and continuous healthcare protection according to patient health condition 2 explain the principles of protection of patients rights in the Republic of Croatia 3 analyse each individual patinet right 4 explain the roleof regionals committee for the protection of patients rights nd the Committee for the Protection of Patients' Rights of the Ministry of Health
Course content	<ol style="list-style-type: none"> 1. Patient right to recive quality and continuous health care adequate to patienthealth condition, according to professional standards and ethical principles, in the patient best interest and with respecting patients personal beliefs(outcome 1) 2. Principles of protecting patients rights in the Republic of Croatia – the principle of humanity and principle of availability (Outcome 2) 3. Patients rigths to healhtare protection: the right to co-decision, theright to be informed - protection of patients who are not capable of giving consent, protection of patients undergoing scientific research, right to access medical documentation, the right to confidentiality, the right to mantaine ine personal contacts, the right to voluntarily leave a healthcare facility, theright to privacy and the right to compensation for damages (Outcome 3) 4. Roleof regionalsCommittees for the Protection of Patients' Rights and Committee for the Protection of Patients Rights ofthe Ministry of health (Outcome 4)

Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> education on the distance <input checked="" type="checkbox"/> field work	<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other
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Comments	-				
Students' obligations	Regularly and conscientiously attendance in all forms of classes				
Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
	Attendance of classes	1 - 4	22	0.70	0
	Activities during classes	1 - 4	20	0.70	0 - 20
	Seminar – preparation, production and presentation	1 - 4	18	0.60	0 - 10
	In total	1 - 4	60	2	0 – 30 (100% grades)
	The final exam not taken				
	In total		60	2	100% grades
	Grade criteria	Activities during classes	Seminar – preparation, production and presentation		
	Description	Preparation for teaching units Understanding previous contents Participation in solving tasks Visit Association for the protection of patients' rights:	Organization/structure of paper Vocabulary and grammar Expertise and professional terminology Style of writing Citation and citing references		

		Preparation for visit	Presentation/multimedia	
		Discussion and situation analysis		
		Writing visit report		
	Points: min. - max.	0 - 20	0 - 10	
	Minimal number of points - passing threshold	10	5	
Total	0 - 30			
Total grade	Pass threshold	Score range	Grade	
	15 points	26 - 30	5 (excellent)	

		23 - 25.99	4 (very good)
		19 - 22.99	3 (good)
		15 - 18.99	2 (satisfactory)
Conditions for forming the final grade			
1. Regularly attend classes			
2. Actively participate in classes			
3. Pass colloquium			
4. Collect at least 50% points			
Final exam not taken			
Final grade			
Forming final grade: on the basis of collected points during classes. In the ECTS system, grades are expressed in the following way:			
% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade	
90 – 100 %	5 (excellent)	A	
80 – 89.9 %	4 (very good)	B	
65 – 79.9 %	3 (good)	C	
60 -64.9 %	2 (satisfactory)	D	
50-59,9%	2 (satisfactory)	E	

Compulsory literature	Europska povelja o pravima pacijenata – available at: http://www.dzbihac.com/dokumenti/evropska_povelja_o_pravima_pacijenata.pdf 2. Zakon o zaštiti prava pacijenata, Narodne novine, br. 169/04, 37/08 – available at: https://www.zakon.hr › Zakon-o-zaštiti-prava-pacijenata 3. Teaching materials		
Additional literature	1. Patton F at all Nurses Making policy, Second Edition: From Bedside to Boardroom 2nd ^{Edition} Kindle Edition, 2019.		
Number of copies in the library	Title	Number of copies	Number of students
	Europska povelja o pravima pacijenata – Available at: : http://www.dzbihac.com/dokumenti/evropska_povelja_o_pravima_pacijenata.pdf	12	60
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	2. Zakon o zaštiti prava pacijenata, Narodne novine, br. 169/04, 37/08 – available at: : https://www.zakon.hr › Zakon-o-zaštiti-prava-pacijenata	12	60
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GENERAL INFORMATION

Course title	PHARMACOLOGY	
Course holder	Asst. PhD Marko Skelin, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and method of teaching	ECTS credits	3
	Number of hours (LECTURES+EXERCISES+SEMINARS)	L-30, E-15

COURSE DESCRIPTION

Course objectives	The aim of the course is for students to acquire the basic knowledge and information in the field of pharmacotherapy, pharmacology, and clinical pharmacology necessary for professional bachelor's degrees in nursing in their daily work with patients.	
Terms of course entry and required competencies	None	
Expected learning outcomes on the course level	<p>1 - explain the foundations of general pharmacology and clinical pharmacology according to areas I 2 - describe the pharmacokinetics and pharmacodynamics of the main groups of drugs</p> <p>3 - recognize the expected effects of drugs that most often apply to their side effects and interactions</p> <p>4 - state drugs, their application, and effects on special groups of patients (elderly, children, pregnant women, with impaired kidney or liver function)</p> <p>5 - present elementary knowledge in clinical examinations of medicines and legislation in the field of medicines</p>	
Course content	<ol style="list-style-type: none"> 1. General pharmacology (introduction, classification of drugs: methods of drug application, nomenclature), and foundations of clinical pharmacology: Pharmacology of the autonomic nervous system; Pharmacology of the central nervous system. 2. Anesthetics, analgesics, and anti-inflammatory drugs. 3. Drugs for treatment of heart and vascular system disorders. 4. Drugs for treatment of digestive system disorders (Outcome 1) 5. Pharmacokinetics and pharmacodynamics, principles of clinical examinations of drugs (Outcome 2) 6. Clinical examination of drugs, legislation on drugs area (Outcome 3) 7. Side effects and interactions with medicines that are most often applied in treatment (Outcome 4) 8. Drugs in special groups the patient (elderly, children, pregnant women, with impairment of kidney or liver function) (Outcome 5) 	
Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work	<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching

Students` obligations	Regularly and conscientiously attendance all forms of classes					
Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.	
	Attendance classes	1 - 5	34	1.14	0	
	Activities during classes	1 - 5	4	0.13	0 - 10	
	Colloquium 1/written	1 - 5	12	0.40	0 - 20	
	Colloquium 2/practical - oral	1 - 5	12	0.40	0 - 20	
	In total	1 - 5	62	2.07	0 – 50 (50% grades)	
	Closing exam/written	1 - 5	28	0.93	50% grades	
	In total		90	3	100%	
	Grade criteria	Activities in class	Colloquy/written/1		Colloquium 2 practical/oral	
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks	Scoring and grading according to correct answers in the test with questions which have four offered answers, one of which is exact. The test has 20 questions, each correct answer brings 1 point		Preparation/learning Theoretical knowledge Accuracy of exercise performance or display/multimedia	
	Points: min. - max.	0 - 10	0 - 20		0 - 20	
	Minimal number of points - passing threshold	5	10		10	
	Total	0 - 50				
	Total grade	Pass threshold	Score range	Grade		
		25 points	45 - 50 38 - 44.9	5 (excellent) 4 (very good)		

			32 - 37.9	3 (good)															
			25 - 31.9	2 (satisfactory)															
<p>Conditions for forming the final grade</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part during classes 3. Pass colloquia 4. Collect at least 50% points 																			
<p>Final grade Final exam consists of: written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p> <table border="1"> <thead> <tr> <th>% correct answers Final exam</th> <th>Numerical Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> </tr> <tr> <td>50 - 64.9 %</td> <td>2 (satisfactory)</td> </tr> </tbody> </table>					% correct answers Final exam	Numerical Grade	90 – 100 %	5 (excellent)	80 – 89.9 %	4 (very good)	65 – 79.9 %	3 (good)	50 - 64.9 %	2 (satisfactory)					
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<p>Final grade</p> <p>Forming the Final grade: Based on the points achieved during classes and final exam. (classes 50 % + closing exam 50%). In the ECTS system, the grade is expressed in the following way:</p> <table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical Grade</th> <th>ECTS - Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64.9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </tbody> </table>					% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade	90 – 100 %	5 (excellent)	A	80 – 89.9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64.9 %	2 (satisfactory)	D
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65 – 79.9 %	3 (good)	C																	
50 -64.9 %	2 (satisfactory)	D																	
Compulsory literature	<ol style="list-style-type: none"> 1. Igor Francetić, Dinko Vitezić (ur.). Klinička farmakologija, Medicinska naklada, Zagreb, 2014. 																		
	<ol style="list-style-type: none"> 2. Šokota A, Kalauz S. Lijekovi - Oblici i primjena. Naklada Slap, 2008. 																		

Additional literature	<p>1. Ostojić Kolonić S, Pavliša G, Mandac Rogulj I. Farmakologija. Zdravstveno veleučilište, Zagreb, 2012.</p> <p>2. Karch AM, Lynn P. Focus on Nursing Pharmacology (6th Ed). + Lippincott Photo Atlas of Medication Administration (5th Ed). Lippincott Williams & Wilkins, 2014.</p>		
Number of copies in the library	Title	Number of copies	Number of students
	1. Igor Francetić, Dinko Vitezić (ur.). Klinička farmakologija, Medicinska naklada, Zagreb, 2014.	12	60
	2. Karch AM, Lynn P. Focus on Nursing Pharmacology (6 th Ed). + Lippincott Photo Atlas of Medication Administration (5 th Ed). Lippincott Williams & Wilkins, 2014	12	60
Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control quality of work students and acquisitions necessary knowledge and skill insured will through interactive work. By guiding records on presence and activities students in continue and the information obtained about the students' progress through colloquiums will provide the information necessary for further instructions to the students in order to increase the efficiency of their work. Students will be sent in their own rights and obligations you methods of work and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>		

GENERAL INFORMATION		
Course title	DIETETICS	
Course holder	PhD Nikolina Gaćina, senior lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and method of teaching	ECTS credits	3
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-30, E-15, S- 15

COURSE DESCRIPTION	
Course objectives	The objectives of the course are to acquire basic knowledge of nutrition to understand the importance of proper nutrition diet healthy and the sick person respectively different population groups. Different pathological conditions and diseases. Students will learn basic knowledge and skills in assessing the patient's nutritional status and creating diet menus.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - describe species of macronutrients and micronutrients together with basic principles of proper/healthy diet</p> <p>2 - plan menu adjusted to life age, category and health condition (Outcome 2)</p> <p>3 - estimate factors that affect irregular nutrition and negative health of individuals</p> <p>4 - describe diets in acute and chronic diseases, peculiarities of nutrition code in operated patients and nutrition in special conditions (PEG, enteral, parenteral nutrition)</p> <p>5 - apply anthropometric methods for assessment nutrition conditions with individuals and population groups</p> <p>6 - compose a Menu according to physiological and energy needs of individuals and certain population groups</p>
Course content	<ol style="list-style-type: none"> 1. Introduction to the subject, definition of dietetics, history of nutrition science, basic principles of proper nutrition, the body's needs for energy and protective substances, digestion, absorption and metabolism of fats, proteins, carbohydrates, vitamins and minerals, the role of water in the body, the healthiness of food (Outcome 1) 2. Plan a menu with foods that are adapted to age, patient category and health condition (Outcome 2) 3. Public health aspects of nutritional disorders, nutritional deficits and diseases caused by insufficient and improper nutrition (Outcome 3) 4. Diets with acute and chronic diseases and peculiarities of diet in operated patients and nutrition in special conditions: PEG, nutrition through stomach probes – indications, types and techniques of feeding, preparations, complications; parenteral nutrition: - partial and total parenteral nutrition, parenteral nutrition techniques, preparations for parenteral nutrition, complications parenteral nutrition and their prevention (Outcome 4) 5. Methods of grading nutrition conditions, measures for assessment and advancement diet (Outcome 5) 6. Energy needs of individual population group and compilation of menus according to their physiological needs (Outcome 6)

Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
	Comments	-			
Students` obligations	Regularly and conscientiously attendance in all forms of classes				
Tracking and valuation of work students	Activities	Outcomes	Number of	ECTS	Points min. – max.
	Attendance classes	1 - 6	34	1.5	0
	Activities during classes	1-6	5.5	0.15	0 - 10
	Colloquium 1/written	1 - 6	4,5		0 - 10
	Seminar paper - writing and exposure	1-6	9	0.30	0 - 10
	Colloquium/exercise - oral	1 - 6	9	0.30	0 - 20
	In total	1 - 6	62	2.25	0 – 50 (50% grades)
	Final exam/written	1 - 6	28	0.75	50 % of grade
	In total		90	3	100%
	Criteria Grade	Activities	Colloquium 1/written	Colloquium 2 exercises/oral	Writing and exposure seminar of work
Description	Preparation for educational units Understanding previous contents Participation in joint tasks	Scoring and grading according to correct answers in the test with questions which they have four answers offered, one of which is correct. The test has 20 questions from what each the correct answer carries 0.5	Task: Production menu according default diet: Theoretical Understanding the task Creating a menu	Organization/art Ructure of work Vocabulary and grammar Expertise and professional terminology Style of writing Citation and listing references Exposure/multi	

					media
Points: min. - max.	0 - 10	0 - 10	0 - 20	0 - 10	0 - 10
Min. number of points- passing threshold	5	5	10	5	
Total points	0 - 50				
Total grade	Pass treshold	Score range	Grade		
	25 points	45 – 50	5 (excellent)		
		38 - 44.9	4 (very good)		
		32 - 37.9	3 (good)		
		25 - 31.9	2 (satisfactory)		
Conditions for forming the final grade					
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes 3. Pass colloquia 4. Collect at least 50% points 5. Get positive assessment from seminars 					
Final grade					
Final exam consists of: written exam.					
If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:					
% correct answers Final exam		Numerical Grade			
90 – 100 %		5 (excellent)			
80 – 89.9 %		4 (very good)			
65 – 79.9 %		3 (good)			
50 - 64.9 %		2 (satisfactory)			

	Final grade		
	Forming the Final grade: Based on the points achieved during classes and final exam. (teaching 50 % + closing exam 50%). In the ECTS system, the grade is expressed in the following way:		
	% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade
	90 – 100 %	5 (excellent)	A
	80 – 89.9 %	4 (very good)	B
	65 – 79.9 %	3 (good)	C
	50 -64.9 %	2 (satisfactory)	D

Compulsory literature	<ol style="list-style-type: none"> Štimac D. I sur. Dijetoterapija I klinička prehrana, Medicinska naklada, Zagreb, 2014. Kolaček S. i sur. Prehrana u općoj i kliničkoj pedijatriji, Medicinska naklada, Zagreb, 2016. Kalauz S. i sur. Zdravstvena njega kirurških bolesnika. Poglavlje: Prehrana kirurških bolesnika (Martinis I). Zagreb: Zdravstveno veleučilište: 2021. e - izdanje
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Additional literature	<ol style="list-style-type: none"> Dudek SG. Nutrition Essentials for Nursing Practice (7th Edition). Lippincott Williams & Wilkins, 2013. .
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Number of copies in the library	Title	Number of copies	Number of students
	1. Štimac D. I sur. Dijetoterapija I klinička prehrana, Medicinska naklada, Zagreb, 2014.	12	60
	2. Kolaček S. i sur. Prehrana u općoj i kliničkoj pedijatriji, Medicinska naklada, Zagreb, 2016.	12	60

Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control quality of work students and acquisitions necessary knowledge and skill insured will are through interactive work. By keeping records of students' attendance and activities in class and the information obtained about students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>
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GENERAL INFORMATION		
Course title	INFORMATICS IN HEALTH CARE	
Course holder	Ph.D. Ivan Livaja, college professor	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and method of teaching	ECTS credits	2
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-15, E -30

COURSE DESCRIPTION		
Course objectives	To introduce students to the basics of nursing informatics and its application in the field of health care. Thus, the student could apply the acquired knowledge and skills in computer communication and searching scientific databases, as well as the application of information technology in nursing documentation.	
Terms of course entry and required competencies	None	
Expected learning outcomes on the course level	1 - explain fundamental terms of informatics in health informational system (BIS, CEZIH) 2 - apply computer techniques in the process of nursing care 3 - select relevant scientific data bases which apply to the nursing care process, and for learning and research 4 - apply IT technology to all communication processes in health institutions 5 - apply IT knowledge in the process of advancements in nursing documentation and protection of health and personal data of patients	
Course content	1. Determination of fundamental terms of informatics and its significance for the development of knowledge and improvement of professional practice (Outcome 1) 2. Technical base IT system - basic parts and their function (Outcome 1) 3. Programmatic support needed for a work computer system - system software support, application software support (Outcome 1) 4. Health informative systems: principles and levels – BIS and CEZIH (Outcome 1) 5. Basic forms of applications of computers in search scientific data bases with the aim of learning and research (Outcome 2) 6. Application of IT in advancement of health care process (evidence-based nursing care) (Outcome 2 and 3) 7. Application of IT technologies as system support into all communication processes in healthcare institutions (Outcome 4) 8. Application and evaluation of e-nursing documentation (Outcome 5)	
Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning	<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and network <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation

	<input type="checkbox"/> field work		<input checked="" type="checkbox"/> consultative teaching		
			<input type="checkbox"/> other		
Comments	-				
Students' obligations	Regularly and conscientiously attendance in all forms of classes				
Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
	Attendance classes	1 - 5	34	1.14	0
	Activities during classes	1 - 5	4	0.13	0 - 20
	Colloquium 1/written	1 - 5	3	0.10	0 - 10
	Colloquium 2/exercises	1 - 5	6	0.30	0 - 30
	In total	1 - 5	47	1.67	0 – 60 (50% grades)
	Final exam/written		13	0.33	50% grades
	In total		60	2	100%
	Grade criteria	Activities during classes	Colloquium 1/written	Colloquium 2/oral exercises	
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks	Scoring and grading according to correct answers in the test with questions which have four offered answers, one of which is exact. Test has 20 questions, and the correct answer carries 0.5 points.	Preparation/learning Theoretical knowledge The accuracy of computer performance tasks	
	Points: min. - max.	0 - 20	0 - 10	0 - 30	
	Minimal number of points - passing threshold	10	5	15	
	Total	0 - 60			
	Total	Pass threshold	Score range	Grade	

	grade	30 points	54 – 60	5 (excellent)
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			48 – 53.99	4 (very good)
			42 – 47.99	3 (good)
			30 – 41.99	2 (satisfactory)

Conditions for forming the final grade

1. Regularly attend classes
2. Actively participate in classes
3. Pass colloquia
4. Collect at least 50% points

Final grade

Final exam consists of: written exam.

If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:

% correct answers Final exam	Numerical Grade
90 – 100 %	5 (excellent)
80 – 89.9 %	4 (very good)
65 – 79.9 %	3 (good)
50 - 64.9 %	2 (satisfactory)

Final grade

Forming the Final grade: Based on the points achieved during classes and final exam. (teaching 50 % + closing exam 50%). In the ECTS system, the grade is expressed in the following way:

% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade
90 – 100 %	5 (excellent)	A
80 – 89.9 %	4 (very good)	B
65 – 79.9 %	3 (good)	C
50 -64.9 %	2 (satisfactory)	D

Compulsory

1. Kern J. Petrovečki, M. Medicinska informatika. Medicinska naklada, Zagreb, 2009.

literature	2009 (selected chapters) 2. Maletić F, Šimović V., Afrić W. Osnove informatike. Golden marketing/Učiteljski fakultet, Zagreb, 2010		
Additional literature	1. McGonigle D, Mastrian K. Nursing Informatics And The Foundation Of Knowledge (2nd ^{Ed.}). Jones & Bartlett Learning, 2011.		
Number of copies in the library	Title	Number of copies	Number of
	1. Kern J. Petrovečki, M. Medicinska informatika. Medicinska naklada, Zagreb, 2009. (selected chapters)	12	60
	2. Maletić F, Šimović V., Afrić W. Osnove informatike. Golden marketing/Učiteljski fakultet, Zagreb, 2010	12	60
Quality control methods that ensure acquisition output knowledge, skill and competence	Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.		

GENERAL INFORMATION

Course title	COMMUNICATION SKILLS	
Course holder	PhD Zdravko Kedžo, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and method of teaching	ECTS credits	2
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-15, E- 15

COURSE DESCRIPTION

Course objectives	Present to students elementary principles, species and shapes of human communication the specifics of communication in healthcare and train them for effective communication with patients and their family members.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - explain term, types, goals and principles of communication and informative and therapeutic communication</p> <p>2 - explain basic communication styles, concept of listening, importance of listening and active listening techniques</p> <p>3 - explain the basic non-verbal and verbal ways of communication, assertive communication, obstacles in communication in general and obstacles in communication with the patient and family member</p> <p>4 - explain specificities in communication with persons with limited communication skills, children, adolescents and the elderly</p> <p>5 - explain the concept of empathy and compassion and importance of empathy and compassion in communication with the patient and his/her family</p> <p>6 – resolve simple objections with the patient and members of his/her families</p>
Course content	<ol style="list-style-type: none"> 1. Introduction to communication, the concept of communication, types, goals and principles of communication and the concept of informational and therapeutic communication (Outcome 1) 2. Basic communication styles, the concept of listening, the importance of listening and active listening techniques (Outcome 2) 3. Basic non-verbal and verbal ways of communication, assertive communication, basic obstacles in communication and obstacles in communication with the patient and a family member (Outcome 3) 4. Specifics of communication with people with limited communication skills, children, adolescents and the elderly. Non-verbal communication with such persons - methods (Outcome 4) 5. Empathy and the importance of empathy in communication with the patient and his/her family (Outcome 5) 6. Complaints and complaint handling techniques and feedback: structure and communication (Outcome 6)

Types of teaching	<input checked="" type="checkbox"/> lectures	<input checked="" type="checkbox"/> independent assignments
	<input checked="" type="checkbox"/> seminars and workshops	<input type="checkbox"/> multimedia and network
	<input checked="" type="checkbox"/> exercises	<input type="checkbox"/> laboratory
	<input checked="" type="checkbox"/> practical work	<input type="checkbox"/> mentoring work

<input type="checkbox"/> distance learning	<input checked="" type="checkbox"/> continuous evaluation
<input type="checkbox"/> field work	<input checked="" type="checkbox"/> consultative teaching
	<input type="checkbox"/> other

Comments	-
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Students' obligations	Regularly and conscientiously attendance in all forms of classes
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Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points
					min. – max.
	Attendance classes	1 - 6	23	0.80	0
	Activities during classes	1 - 6	5	0.15	0-10
	Colloquium 1/oral	1 - 6	4,5	0.15	0-10
	Colloquium 2/exercises/M and orally	1 - 6	9	0.30	0-20
	In total	1 - 6	41.5	1,4	0 – 40 (50% grades)
	Final exam/written	1 - 6	18.5	0.60	50%
	In total	1 - 6	60	2	50%
	Grade criteria	Activities during classes	Colloquium 1/oral	Colloquium 2/M and orally	
	Description	Preparation for teaching units Understanding previous content Participation in common solving tasks	Level of knowledge (ability analysis, synthesis and Grades) Structuredness and accuracy of answers Logically connecting the facts Conduct professional terms and concepts Correlation with related contents	Group work - Preparation Role play Analysis of errors in communication Listening associates Giving feedback	

	Points: min. - max.	0 - 10	0 - 10	0 - 20
	Minimal number of points - passing threshold	5	5	10
	Total	0 - 40		
	Total	Prague	Span	Grade

	Grade	transience	points											
			35 - 40	5 (excellent)										
			30 - 34.99	4 (very good)										
		20 points	26 - 29.99	3 (good)										
			20 - 25.99	2 (satisfactory)										
Conditions for forming the final grade														
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes 3. Pass colloquia 4. Collect at least 50% points 														
Final grade														
Final exam consists of: written exam.														
If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:														
		<table border="1"> <thead> <tr> <th>% correct answers Final exam</th> <th>Numerical Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> </tr> <tr> <td>50 - 64.9 %</td> <td>2 (satisfactory)</td> </tr> </tbody> </table>			% correct answers Final exam	Numerical Grade	90 – 100 %	5 (excellent)	80 – 89.9 %	4 (very good)	65 – 79.9 %	3 (good)	50 - 64.9 %	2 (satisfactory)
% correct answers Final exam	Numerical Grade													
90 – 100 %	5 (excellent)													
80 – 89.9 %	4 (very good)													
65 – 79.9 %	3 (good)													
50 - 64.9 %	2 (satisfactory)													
Final grade														
Forming the Final grade: Based on the points achieved during classes and final exam. (teaching 50 % + closing exam 50%). In the ECTS system, the grade is expressed in the following way:														

	<table border="1"> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical Grade</th> <th>ECTS - Grade</th> </tr> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64.9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </table>			% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade	90 – 100 %	5 (excellent)	A	80 – 89.9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64.9 %	2 (satisfactory)	D
% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade																
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80 – 89.9 %	4 (very good)	B																
65 – 79.9 %	3 (good)	C																
50 -64.9 %	2 (satisfactory)	D																
Compulsory literature	1. Lučanin D, Lučanin –Despot J. Komunikacijske vještine u zdravstvu. Jastrebarsko: Naklada Slap, 2010 2. Samovar LA, Porter RE, McDaniel ER.. Komunikacija između kultura. Jastrebarsko: Naklada Slap, 2013..																	
Additional literature	1. . Leinert-Novosel S. Komunikacijski kompas. Zagreb: Plejada, 2012. 2. . Jugo D. Menadžment kriznog komuniciranja. Zagreb: Školska knjiga, 2016																	
Number of copies in the library	Title	Number of copies	Number of students															
	1. Lučanin D, Lučanin –Despot J. Komunikacijske vještine u zdravstvu. Jastrebarsko: Naklada Slap, 2010	12	60															
	2. Samovar LA, Porter RE, McDaniel ER.. Komunikacija između kultura. Jastrebarsko: Naklada Slap, 2013.	12	60															
Quality control methods that ensure acquisition output knowledge, skill and competence	Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.																	

GENERAL INFORMATION		
Course title	BASICS NURSING CARE II	
Course holder	Nevena Šimunić, MSN, lecturer	
Study programme (Undergraduate, graduate)	Professional undergraduate nursing study	
Course status	Obligatory	
Year of study	1.	
Credit score and forms of teaching	ECTS credits	5
	Number of hours (Lectures+Exercises+Seminars)	L-10, E-120, S- 10

COURSE DESCRIPTION	
Course objectives	The objectives of the course are to acquaint students with the basics of nursing and health care and the basic skills of nursing practice. Acquired knowledge should enable students to understand nursing, jobs and duties of medical nurse and offer basics on which will be developed further knowledges and skills during and after completion of study.
Terms of course entry and required competences	There are no conditions for enrolment subject, but laying subject is possible exclusively after successfully passing Basics Nursing Care I course.
Expected learning outcomes on the course level	<p>1 - estimate appearance of physical excretion and pathological changes in them</p> <p>2 - measure the number of bodily secretions (urine, stool, sputum)</p> <p>3 - demonstrate introduction of urinary catheter/woman and application enemas</p> <p>4 - apply enteral and parenteral therapy (Rule 6), with exception in administration of drugs</p> <p>Provide comprehensive healthcare for patients (of all ages, patients with cognitive and perceptual difficulties, palliative patients, and terminally ill patients)</p>
Course content	<ol style="list-style-type: none"> 1. Body fluids in the body, physiology of body fluids, balance and imbalance of fluids and consequences of imbalance. fluids and electrolytes: <ol style="list-style-type: none"> a. Urine: physiology of urine secretion, colour, appearance/composition, diuresis/hourly and 24-hour, measurement quantities secreted urine and recording, measurement specific gravity of urine - recording b. Stool: colour, quantity, consistency, pathological admixtures in the stool - recording c. Sputum – colour and composition/pathological admixtures – recording (Outcome 1 and 2) 2. Preparation for catheter insertion in a woman and insertion. Preparation of the patient for enema administration and its application, types of enemas (Outcome 3) 3. Preparation medicines and infusion solution (enteral and parenteral therapy) - Rule 5. Application of enteral and parenteral therapy (except for the administration of drugs and, v... Methods of applications medicines: per axis, intracutaneously, subcutaneously, intramuscularly. Types of syringes, needles and intravenous cannula. Protection of the injection site when the intravenous cannula is introduced. Complications after giving them and iv injections and their care. Storage of medicines (Outcome 4) <p>4Providing comprehensive healthcare for patients of all ages, patients with</p>

	<p>cognitive and perceptual difficulties, palliative patients, and terminally ill patients-bathing, hygiene, prevention of skin damage or preservation of skin integrity, care for existing skin damage, nutrition, fall prevention,application of various communication techniques (Outcome 5).</p>
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Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> education on the distance <input type="checkbox"/> field teaching		<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
Comments	-				
Students' obligations	Regularly and conscientiously attendance in all forms of classes				
Monitoring and evaluation of students work	Activities	Outcomes	Hours	ECTS	Points min. – max.
	Attendance	1 - 5	105	3.5	0
	Activity during classes	1 - 5	4,5	0.15	0 - 10
	Seminar/preparation and presentation	1 - 5	6	0.20	0 - 20
	Colloquium 1/oral	1 - 3	6	0.20	0 - 20
	Colloquium 2/oral	4 - 5	6	0.20	0 - 20
	Total	1 - 5	127.5	4.25	0 – 70 (50% grades)
	Final exam/written	1 - 5	22.5	0.75	50% grades
	Total		150	5	100%
	Grade criteria	Activity during classes	Colloquium 1/oral	Colloquium 2/ oral	Seminar/writing and presentation
Description	Preparation for teaching units Understanding previous content Participation in solving tasks together	Level of knowledge (ability to analyse, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of	Level of knowledge (ability to analyse, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of	Organization/structure of work Vocabulary and grammar Expertise and professional terminology Writing style Citation and citing of references Presentation/mu	

			professional terms and concepts Correlation with related content	professional terms and concepts Correlation with related content	ltimedia	
	Points: min. - max.	0 - 10	0 - 20	0 - 20	0 - 20	
	Min. number of points-passing threshold	5	10	10	10	
	Total	0 - 70				
	Total grade	Pass threshold	Points range	Grade		
		35 points	63 - 70	5 (excellent)		
56 - 62.99			4 (very good)			
49 - 55.99			3 (good)			
35 - 48.99			2 (satisfactory)			
Conditions for forming the final grade:						
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquia - pasased both oral colloquia to access clinical exercises 4. Collect at least 50% points 5. Get positive assessment from seminars 6. Exercises: from all mentioned interventions and activities 100% must be adopted - 						

including 10 % of exercises transferred from course Basic health care I

CLINICAL EXERCISES

Exercises/activities and interventions which are foreseen in Booklets for tracking and evaluation of clinical exercises and clinical practices are not evaluated numerically.

Success in performance exercises describes as:

- Exercise is adopted
- Exercise it is not adopted

For student to access final exam, 100 % from planned interventions and activities must be adopted, including 10% of those transferred from the Basics of Health Care I course.

Final grade - criterion Grades

Final exam consists of: written exam.

If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:

% of acquired knowledge, skills and competencies	Numerical grade
90 – 100 %	5 (excellent)
80 – 89.9 %	4 (very good)
65 – 79.9 %	3 (good)
50 - 64.9 %	2 (satisfactory)

Final grade

Forming the Final grade: Based on the points achieved during classes. In the ECTS system, the grade is expressed in the following way:

% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade
90 – 100 %	5 (excellent)	A
80 – 89.9 %	4 (very good)	B
65 – 79.9 %	3 (good)	C
50 -64.9 %	2 (satisfactory)	D

Compulsory literature	<ol style="list-style-type: none"> 1. Čukljek S. Osnove zdravstvene njege. Zagreb: Zdravstveno veleučilište, 2005. 2. Henderson V. Osnovna načela zdravstvene njege. HUSE i HUMS, Zagreb, 1994. 3. Kalauz S. i sur. Standardizirani postupci u zdravstvenoj njezi. Zagreb: HKMS. 2022. 4. Šepec S. Standardizirani postupci u zdravstvenoj njezi. Zagreb: HKMS. 2010. 		
Additional literature	<ol style="list-style-type: none"> 1. Rosdahl, CB., Kowalski, MT. Textbook of basic nursing JB Lippincott Company, Philadelphia, 2011. 2. Perry A. MR., Potter P. A.: Clinical Nursing Skills & Techniques. Mosby St. Louis. in 2014. 3. Burton M. at al. Fundamentals of Nursing Emperor: concepts, Connections & Skills Third Edition FA Davis Company, 2018. 		
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	1. Čukljek S. Osnove zdravstvene njege. Zagreb: Zdravstveno veleučilište, 2005.	12	60
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	3. Šepec S. Standardizirani postupci u zdravstvenoj njezi. Zagreb: HKMS. 2010.	12	60
Methods of quality monitoring that ensure the acquisition of	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>		

GENERAL INFORMATION		
Course title	THE PROCESS OF NURSING CARE II	
Course holder	Ana Žepina Puzić, MSN, lecturer Vesna Bušac, MSN, lecturer	
Study programme- undergraduate	Undergraduate Professional Study Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and forms of teaching	ECTS credits	6
	Hours (Lectures+ Exercises+ Seminars)	L-20, E-135, S- 15

COURSE DESCRIPTION	
Course objectives	The objectives of the course are to familiarize students with the health care process as a basic model in caring for patients and their basic human needs and health care planning: with nursing history, nursing diagnoses, goals, interventions, and to enable them to understand principles of work into all areas of health care.
Terms of course entry and required competences	There are no conditions for enrollment, but passing the course is possible exclusively after successfully passing the course Health Care Process I.
Expected learning outcomes on course level	1 - make individual health care plans in the clinical environment/patient (case study) 2 - perform planned healthcare in the clinical environment (case study) 3 - keep nursing documentation
Course content	<ol style="list-style-type: none"> 1. Creating an individual health care plan in a clinical setting/patient (including all specifics in relationship to disease diagnosis and patient characteristics/holistic approach): <ol style="list-style-type: none"> a. Data collection: data types, data sources, methods of data collection and aids; analysis and synthesis data, evaluation of collected data b. Nursing diagnoses: current nursing diagnoses, potential nursing diagnoses, high-risk nursing diagnoses, favorable nursing diagnoses, nursing-medical problem; methods of formulating nursing diagnoses, the relationship between nursing diagnoses and medical diagnoses c. Defining Health Care Outcomes/SMART - technique, outcome evaluation, outcome measurement methods and tools d. Interventions and activities (depending on the set outcome, guidelines, or algorithms) e. Evaluation/re-evaluation of health care plan (Outcome 1) 2. Enforcement of planned health care in the clinical environment - case studies (data collection/anamnesis, diagnosis, definition of goals/outcomes, election and implementation of interventions and evaluation) (Outcome 2) 3. Keeping nursing documentation (Outcome 3)

Types teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input checked="" type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
	Comments	-			
Students` obligations	Regularly and conscientiously attendance of all types of classes				
Monitoring and evaluating student work	Activities	Outcomes	Hours	ECTS	Points min. – max.
	Attendance	1 - 3	128	4.2	0
	Activity during classes	1 - 3	6	0.20	0 - 10
	Seminar	1 - 3	6	0.20	0 - 20
	Colloquium/oral	1 - 3	6	0.20	0 - 20
	Colloquium/exercise/oral about creating a health care plan	1 - 3	8	0.30	0 - 20
	Activity during classes Total		154	5.1	0-70 (50% grades)
	Closing exam/written		26	0.90	50%
	Activity during classes Total		180	6	100%
	Evaluation criteria	Activities in class	Seminar/production and exposure	Colloquy/oral	Colloquium practice/oral : making of health care plan
Description	Preparation for teaching units Understanding previous content Participation in	Organization/structure of work Vocabulary and grammar Expertise and professional terminology	Level of knowledge (ability to analyse, synthesize and evaluate) Structuredness and answer accuracy	Creating a health care plan during pre-clinical exercises and before going to clinical	

		joint solving of tasks	style of writing Citation and citing references Exposure/multimedia	Logical linking of facts Mastery of professional terms Correlation with related content	exercises/ case simulation: Accuracy in the steps/phases of the process Understanding each stage of the process outcome measurement instruments Principles of evaluation and reevaluation
	Points: min. - max.	0 - 10	0 - 20	0 - 20	0 - 20
	Min. number of points-passing threshold	5	10	10	10
	Total points	0 - 70			
		Pass treshold	Points range	Grade	
Total grade	35 points	63 - 70	5 (excellent)		
		56 - 62.99	4 (very good)		
		49 - 55.99	3 (good)		
		35 - 48.99	2 (satisfactory)		
Conditions for accession final the exam					
1. Regularly attend classes					
2. Actively taking part in classes					
3. Pass colloquia					
4. Collect at least 50% points					
5. Clinical exercises – adopted 100% including 10% of exercises transferred from Health care processes I					
6. Get a positive assessment from seminars					

	<p>CLINICAL EXERCISES</p> <p>Exercises/activities and interventions that are provided in Booklets for tracking and evaluating Clinical exercises and clinical practices are not evaluated summatively.</p> <p>Success in performance of exercises is described as:</p> <ul style="list-style-type: none"> • Exercise is adopted • Exercise it is not adopted 																	
	<p>Closing exam - criterion Grades</p> <p>The closing exam consists of a written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p> <table border="1" data-bbox="715 728 1225 1093"> <thead> <tr> <th>% correct answers Final exam</th> <th>Numerical grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> </tr> <tr> <td>50 - 64.9 %</td> <td>2 (satisfactory)</td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>			% correct answers Final exam	Numerical grade	90 – 100 %	5 (excellent)	80 – 89.9 %	4 (very good)	65 – 79.9 %	3 (good)	50 - 64.9 %	2 (satisfactory)					
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<p>Additional literature</p>	<p>1. https://dl.uswr.ac.ir/bitstream/Hannan, HANDBOOK OF Nursing DIAGNOSIS, 14th EDITION - pdf</p>																	
<p>Number copies</p>	<p>Title</p>	<p>Number of copies</p>	<p>Number of student</p>															

Compulsory literature number of case	1. Fučkar, G. Proces zdravstvene njege. Medicinski fakultet Sveučilišta u Zagrebu. Zagreb, 1995.	12	60
	2. Fučkar, G. Uvod u sestrinske dijagnoze. HUSE. Zagreb. 1996	12	60
	3. Abou Aldan, D. i sur. Sestrinske dijagnoze 3. HKMS. Zagreb. 2015	12	60
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.		

GENERAL INFORMATION		
Course title	CLINICAL PRACTICE IN NURSING CARE I	
Course holder	Andrea Vukša, MsN lecturer	
Study program	Professional undergraduate study in Nursing	
Course status	Obligatory	
Year of study	1.	
Credit score and forms of teaching	ECTS credits	5
	(LECTURES+EXERCISES+SEMINARS)	E -150

COURSE DESCRIPTION	
Course objectives	To acquaint the student with the basic principles of health care, the process of health care, and fundamental skills of nursing care by guiding nursing documentation in clinical practice
Condition for course enrollment	None
Expected learning outcomes on the course level	<p>1 - describe nursing care to the patient based on basic human needs</p> <p>2 - describe admission (emergency and elective), transfer, and discharge of patients</p> <p>3 - plan (create a plan) of individualized nursing patient care, with a holistic approach and partner relationship with the patient</p> <p>4 - carry out fundamental procedures from areas of general nursing care, with a holistic approach and partner relationship with the patient</p> <p>5 - apply communication skills in contact with the patient, members of his/her family, and colleagues</p> <p>6 - apply valid laws and regulations in the performance of professional duties</p>
Course content	<ol style="list-style-type: none"> 1. The basics general health care of the patient (founded on satisfaction of basic human needs) (Outcome 1) 2. Reception (urgent and elective), transfer and discharge of the patient (Outcome 2) 3. Plan the patient's health care - creating an individual health care plan with a holistic approach and partner relationship with the patient, - for mobile, semi-mobile and immobile patients, geriatric patients and patients in the last stage of life (Outcome 3) 4. Conduct fundamental procedures from areas of general health care - follow and record vital signs, monitor and record diuresis, monitor and record the appearance and amount of secretions, administer patient nutrition/enteral and parenteral nutrition, perform patient hygiene, skin and oral cavity care, monitor fluid intake and amount, apply prescribed pharmacological therapy and perform asepsis procedures (disinfection and sterilization) – (Outcome 4) 5. Communication skills - methods and techniques in contact with the patient (verbally, non-verbally, signed agreed language), family members and colleagues (Outcome 5) 6. Laws and regulations in the performance of professional duties (Nursing Act, Code of Ethics for Nurses) (Outcome 6)

Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input checked="" type="checkbox"/> other (supervision)			
Comments	-					
Students` obligations	Regularly and conscientiously attendance in all forms of classes					
Monitoring and evaluation of student work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.	
	Attendance classes - clinical exercises	1 - 6	90	3	0	
	activities /exercises	1 - 6	45	1.5	0 - 40	
	Professional behavior	1 - 6	15	0.5	0 - 20	
	In total	1 - 6	150	5	0 - 60 (100%)	
	In total		150	5	100%	
	Evaluation criteria	Activity during classes		Professionally behavior		
	Description	<ul style="list-style-type: none"> • preparation for clinical exercises/practice • theoretic al knowledge • health care planning - preparation of individual plan • adoption and linking of adopted clinical exercises/activities and interventions and their application in the hospital/clinical setting department • motivation and interest • communicati on with the patient, 		<ul style="list-style-type: none"> • arrival and departure to/from workplaces in exactly schedule stated time • compliance with recommendation on Ethical codex for medical nurses /Croatia chamber of medical nurses <ul style="list-style-type: none"> • adherence to regulations bound for protective clothes and footwear/professional apparel and footwear with identification by card (ID). • respect of internal organizational culture within health 		

			organizations in which student performs clinical practice																
		to his/her family members and colleagues	performs clinical practice																
		<ul style="list-style-type: none"> respect and protection of autonomy of the patient and his/her integrity protection of interest of the patient 																	
	Points: min. - max.	0 - 40	0 - 20																
	Minimal number of points - passing threshold	20	10																
	Total	0 - 60																	
	Total grade	Pass threshold	Score range	Grade															
		30 points	54 - 60	5 (excellent)															
			48 – 53.99	4 (very good)															
			42 – 47.99	3 (good)															
			30 – 41.99	2 (satisfactory)															
	Final grade																		
	The Final grades are represented by the student's achievement (number of points and grade) during clinical exercises. The grade is transferred to the ECTS grading system in the following way.																		
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Compulsory literature	<ol style="list-style-type: none"> Čukljek. The basics of health care. Zagreb: Health Polytechnic, 2005. Fučkar. Process health care. Medical college Universities in Zagreb. Zagreb in 1992 Lepec, Standardized procedures in health care, HKMS, Zagreb, 2022 																		
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Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and the information obtained about students' progress through colloquia, the information necessary for further instructions will be obtained. to students in goal increasing efficiency theirs of work. Students will be sent in their own rights and obligations and work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions Council on quality classes and results, tracking yearly data with HZZZ -and on the annual state of student employment, surveys of employers and Alumni associations and others.</p>		

GENERAL INFORMATION

Course title	ENGLISH LANGUAGE I	
Course holder	PHD Ivana Kardum Goleš, college prof.	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Optional	
Year of study	1.	
Credit score and method of teaching	ECTS credits	2
	Number hours (LECTURES+EXERCISES+SEMINARS)	Q -30

COURSE DESCRIPTION

Course objectives	To meet students with basics English language in profession/professional terminology.	
Terms of course entry and required competencies	None	
Expected learning outcomes for case	<p>O 1 translates contents in Croatian with aspects of basic familiarity of professional English</p> <p>O 2 analyzes content with aspects of English language grammar</p> <p>O 3 applies basic professional English in written and oral communication,</p> <p>O 4 discusses on current topics from profession in English with little or no errors (simpler topics)</p>	
Course content	<ol style="list-style-type: none"> Translations of content related to knowing basic language for specific professional purposes (Outcome 1) Grammatical analysis of basic content/ basic language for specific professional purposes (Outcome 2) Basic professional English for specific purposes in written and oral communication (Outcome 3) Actual topics from areas of health care – discussion in English (simpler content) (Outcome 4) 	
Types teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> education on the distance <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other
Comments	-	
Obligations students	Regular and conscientious attendance of all forms of classes	

Monitoring and evaluation of students' work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
	Attendance of classes	I - 4	22	0.70	0

Activities in classes/work in group/linguistic workshop	I - 4	10	0.35	0 - 20
Colloquium/oral	1 – 4	9	0.30	0 - 20
In total	I - 4	41	1.35	0 – 40 (50% grades)
Closing exam/written		19	0.65	50%
In total		60	2	100%
Grade criteria	Activities in class	Colloquium 1/oral		
Description	<p>Knowing previous content</p> <p>Preparation for thematic teaching units/ finding and analysis of different simpler content in English language/articles, news, news from nursing practices</p> <p>Active participation in linguistic workshops</p> <p>Complexity of communication within groups</p>	<p>Level of knowledge (translation, grammar, vocabulary, sentence construction)</p> <p>Mastering of professional terms and concepts</p>		
Points: min. – max.	0 - 20	0 - 20		
Minimal number points- Prague transience	10	10		
Total	0 - 40			

	Pass threshold	Score range	Grade
Total Grade	20 points	35 - 40	5 (excellent)
		30 - 34.99	4 (very good)
		26 - 29.99	3 (good)
		20 - 25.99	2 (satisfactory)

	<p>Conditions for forming the final grade</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes 3. Pass colloquia 4. Collect at least 50% points 															
	<p>Closing exam - criterion Grades Closing exam consists of: written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p> <table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical Grade</th> <th>ECTS - Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64.9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </tbody> </table>	% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade	90 – 100 %	5 (excellent)	A	80 – 89.9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64.9 %	2 (satisfactory)	D
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<p>Final grade</p> <p>Formation of the Final grade according to the Rulebook on studying is the sum of the percentages of acquired knowledge, skills and competences achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%)</p> <table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical Grade</th> <th>ECTS - Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64.9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </tbody> </table>	% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade	90 – 100 %	5 (excellent)	A	80 – 89.9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64.9 %	2 (satisfactory)	D	
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<p>Compulsory literature</p> <ol style="list-style-type: none"> 1. Rezic Q, Zuric Havelka WITH. Introduction it Basic Medical Terminology for Health Professions. Zagreb: Zdravstveno velečilište, 2013. 2. Mishcin E. England – Croatian dictionary for medical sisters. Zagreb: School book: 2011 																

Additional literature	1. Professional articles on in English language		
The number of copies is Compulsory literature	Title	Number of copies	Number of students
per number of students attending the course	1. Rezić Q, Zurić Havelka WITH. Introduction to Basic Medical Terminology for Health Professions. Zagreb: Medically polytechnic, in 2013	12	60
	2. Mišćin E. English-Croatian medical dictionary sisters. Zagreb: School book: 2011	12	60
Quality control methods that ensure acquisition output knowledge, skill and competence	<p>Control quality of work students and acquisitions necessary knowledge and skill insured will be through interactive work. By keeping records of students' attendance and activities in class and the information obtained about students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ -and on yearly condition of employment students, surveys the employer and associations Alumni and the others.</p>		

GENERAL INFORMATION		
Course title	PREVENTION OF HEALTHCARE ASSOCIATED INFECTIONS	
Course holder	Jasminka Brkičić, MD, lecturer	
Study programme (Undergraduate, graduate)	Professional undergraduate nursing study	
Course status	Optional	
Year of study	1.	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-15, S- 15

COURSE DESCRIPTION		
Course objectives	To acquaint students with measures of prevention and suppression of the spread of hospital infections that can significantly affect treatment outcomes.	
Terms of course entry and required competences	None.	
Expected learning outcomes on the course level	<p>1 - explain what hospital infections are and how they can affect the outcomes of treatment</p> <p>2 - describe the conditions that can trigger the development of hospital infections</p> <p>3 - describe measures for prevention and suppression of expansion of hospital infection</p>	
Course content	<p>1. Hospital infections and their influence on outcomes of treatment (Outcome 1)</p> <p>2. Conditions that can affect the occurrence of hospital infections; physical conditions, organization of work, number and category of patients, number and qualification of staff structure, education of medical and non-medical staff (Outcome 2)</p> <p>3. Measures to prevent and control hospital infections: control of the movement of hospital infections/quality indicators, disinfection procedures, sterilization procedures and control sterilization, washing hands, using sterile material and instruments (Outcome 3)</p>	
Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> education on the distance <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other
Comments		

Students' obligations	Regularly and conscientiously attendance in all forms of classes					
Monitoring and evaluating student work				ECTS	points	
	Activities	Outcomes	Hours		min. – max.	
	Attendance	1 - 3	22	0.70	0	
	Activity during classes	1 - 3	9	0.30	0 - 10	
	Seminar/preparation and presentation	1 - 3	10	0.35	0 - 20	
	Total	1 - 3	41	1.35	0-30 (50% grades)	
	Final exam/written		19	0.65	50%	
	Total		60	2	100%	
	Evaluation criteria	Activity during classes		Seminar/preparation and presentation		
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks together		Organization/structure of work Vocabulary and grammar Expertise and professional terminology Writing style Citation and citing of references Presentation/multimedia		
	Points: min. - max.	0 - 10		0 - 20		
	Minimal number of points – pass threshold	5		10		
	In total points	0 - 30				
		Pass threshold	Points range	Grade		

Total grade	15 points	26 – 30	5 (excellent)
		23 - 25.99	4 (very good)
		19 - 22.99	3 (good)
		15 - 18.99	2 (satisfactory)

Conditions for forming the final grade:

1. Regularly attend classes
2. Actively taking part in classes
3. Positively evaluated seminar
4. Collect at least 50% points

Final grade - criterion evaluations

Final exam consists of from: written exam.

If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:

% of acquired knowledge, skills and competencies	Numerical grade
90 – 100 %	5 (excellent)
80 – 89.9 %	4 (very good)
65 – 79.9 %	3 (good)
50 - 64.9 %	2 (satisfactory)

Final grade

Forming the final grade: Based on the points achieved during classes. In the ECTS system, the grade is expressed in the following way:

% adopted knowledge, skills and competences	Numerical grade	ECTS - grade
90 – 100 %	5 (excellent)	A
80 – 89.9 %	4 (very good)	B
65 – 79.9 %	3 (good)	C
50 -64.9 %	2 (satisfactory)	D

Compulsory literature	1. Pravilnik o uvjetima i načinu obavljanja mjera za sprečavanje i suzbijanje bolničkih infekcija. Narodne novine, br. 85/2012		
	2. Kalauz S, I sur. Zdravstvena njega kirurških bolesnika, Zagreb: Zdravstveno veleučilište 2021 – Poglavlja: Asepsa, Bolničke infekcije		
Additional literature			
Number of copies in the library	Title	Number of copies	Number of
	1. Pravilnik o uvjetima i načinu obavljanja mjera za sprečavanje i suzbijanje bolničkih infekcija. Narodne novine, br. 85/2012	12	60
	2. Kalauz S, I sur. Zdravstvena njega kirurških bolesnika, Zagreb: Zdravstveno veleučilište 2021 – Poglavlja: Asepsa, Bolničke infekcije	12	60
Methods of quality monitoring that ensure the acquisition of	Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others		

GENERAL INFORMATION		
Course title	TRANSCULTURAL NURSING CARE	
Course holder	Mario Gazić, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Optional	
Year of study	1.	
Credit score and method of teaching	ECTS credits	2
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-15, S- 15

COURSE DESCRIPTION			
Course objectives	Acquiring the necessary knowledge and skills to assess needs and provide health care respecting the differences of a healthy or sick individual regarding culture, race, religion, customs and beliefs.		
Terms of course entry and required competencies	None		
Expected learning outcomes for case	1 – explain the term transcultural health care and its history as nursing theories 2 - evaluate needs of persons for transcultural approach in health care area 3 - apply process of health care code person with transcultural needs		
Course content	<ol style="list-style-type: none"> Theory of transcultural health care and its historical development. Theory M. Leininger (Outcome 1) Assessment of needs for application of transcultural health care code of individuals or target groups (approaches, assessment of cultural, religious, worldviews, ways of eating, customs, etc. (Outcome 2) Planning and enforcement of transcultural health care. Respect for autonomy and integrity of the patient. Procedures with daed person-customs, religion. Communication with family (Outcome 3) 		
Types of teaching	<table border="0"> <tr> <td> <input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input checked="" type="checkbox"/> field teaching </td> <td> <input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other </td> </tr> </table>	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input checked="" type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other
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Comments	-		
Students` obligations	Regularly and conscientiously attendance in all forms of classes		

Monitoring and evaluation of students work	Activities	Outcomes	Number of hours	ECTS	Points min. – max.
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	Attendance classes	1 - 3	22	0.7	0
	Activities during classes	1 - 3	18	0.60	0 - 10
	Seminar/preparation and exposure	1 - 3	20	0.70	0 - 20
	In total	1 - 3	60	2	0-30 (100%)
	The final exam is not taken.				
	In total		60	2	100%
	Grade criteria	Activity during classes	Seminar/production and presentation		
	Description	<p>Preparation for thematic teaching units (research and analysis of articles and professional works related to transcultural healthcare care)</p> <p>Knowing similar content from other subjects</p> <p>Understanding thematic units</p> <p>Participation in common task solving</p>	<p>Organization/structure of work</p> <p>Terminology, writing style</p> <p>Citation and citing references</p> <p>Presentation/multimedia</p> <p>The topics in the seminar refer to the diversity of individuals and social communities (race, culture, customs, religion). Students should describe approaches in health care in relation to these differences)</p>		
	Points: min. - max.	0 - 10	0 - 20		
	Minimal number of points - passing threshold	5	10		
	Total	0 - 30			

	<p>Conditions for forming Final grades</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquium 4. Get positive assessment from seminars 5. Collect at least 50 % points <p>Final grade are forms foundation number points acquired during classes. They are transferring into the ECTS system in the following way:</p> <table border="1" data-bbox="443 703 1040 969"> <thead> <tr> <th data-bbox="443 703 683 801">% of acquired knowledge, skills and competencies</th> <th data-bbox="683 703 900 801">Numerical Grade</th> <th data-bbox="900 703 1040 801">ECTS - Grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="443 801 683 842">90 – 100 %</td> <td data-bbox="683 801 900 842">5 (excellent)</td> <td data-bbox="900 801 1040 842">A</td> </tr> <tr> <td data-bbox="443 842 683 882">80 – 89.9 %</td> <td data-bbox="683 842 900 882">4 (very good)</td> <td data-bbox="900 842 1040 882">B</td> </tr> <tr> <td data-bbox="443 882 683 922">65 – 79.9 %</td> <td data-bbox="683 882 900 922">3 (good)</td> <td data-bbox="900 882 1040 922">C</td> </tr> <tr> <td data-bbox="443 922 683 969">50 -64.9 %</td> <td data-bbox="683 922 900 969">2 (satisfactory)</td> <td data-bbox="900 922 1040 969">D</td> </tr> </tbody> </table>			% of acquired knowledge, skills and competencies	Numerical Grade	ECTS - Grade	90 – 100 %	5 (excellent)	A	80 – 89.9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64.9 %	2 (satisfactory)	D
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Obligatory literature	1. Kalauz S. Etika u sestinstvu. Zagreb: Medicinska naklada, 2012. (chapter: Theories in nursing – M. Leininger)																	
Additional literature	<ol style="list-style-type: none"> 1. Andrews M , Boyle S, Collins J. Transcultural Concepts in Nursing Care Wolters Kluwer, 2019. 2. McFarland, M.R., Wehbe-Alamah H.B. The Theory of Culture Care Diversity and Universality, 2014.. 																	
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Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control quality of work students and acquisitions necessary knowledge and skill insured will are through interactive work. By keeping records of students' attendance and activities in classes and the information obtained about students' progress through colloquia, the necessary information will be obtained for further instructions to students in order to increase efficiency their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on yearly condition of employment students, surveys the employer and associations Alumni and others.</p>																	

GENERAL INFORMATION		
Course title	GYNECOLOGY AND OBSTETRICS	
Course holder	PhD. Ivan Zmijanović, MD, lecturer	
Study programme (undergraduate, graduate)	undergraduate study in nursing	
Course status	Obligatory	
Year of study	2	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-30

COURSE DESCRIPTION	
Course objectives	Acquaint students with basic clinical conditions of the most common diseases in the field of gynaecology and obstetrics and train them to understand the pathophysiological basis and symptomatology of the most common gynaecological diseases and to apply the above contents in the health care of mothers and newborns.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - to state the most often gynaecological diseases and their symptoms and diagnostic and therapeutic procedures</p> <p>2 - explain physiological processes of menstrual cycles, fertilization, pregnancy and childbirth</p> <p>I 3 - explain pathological processes of menstrual cycles, fertilization, pregnancy and childbirth</p> <p>I 4 - explain the measures of supervision over the mother and the newborn</p> <p>5 - interpret legal regulations in the Republic of Croatia connected with miscarriage and sexual intercourse with a minor</p> <p>6 - explain methods of prevention of sexually portable diseases and methods of primary and secondary prevention of malignant diseases of the female reproductive system</p>
Course content	<p>1. Most often gynaecological diseases, their symptoms, diagnosis and treatment: acute and chronic diseases of the female reproductive system, benign and malignant tumours of the female reproductive system, and sexually transmitted diseases (Outcome 1)</p> <p>2. Physiological processes of menstrual cycles, fertilization, pregnancy and giving birth (Outcome 2)</p> <p>3. Pathological disorders of the menstrual cycle, pathological changes in pregnancy and childbirth, miscarriage and premature birth, ectopic pregnancy (Outcome 3)</p> <p>4. Measures of supervision over maternity and a newborn (Outcome 4)</p>

	<p>5. Legal regulations in the Republic of Croatia related to abortion and sexual intercourse with a minor (Outcome 5)</p> <p>6. Methods of prevention of sexually transmitted diseases as well as primary and secondary methods in preventing malignant diseases of the female sexual system (Outcome 6)</p>				
Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input checked="" type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
Comments					
Students` obligations	Regularly and conscientiously attendance in all forms of classes				
	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 6	22	0.74	0
	Activity during classes	1 - 6	10	0.33	0 - 10
	Colloquium 1/written	1 - 6	10	0.33	0 - 20
	Total		42	1.40	0-30 (50% grades)
	Final exam written	1 - 6	18	0.60	50 % grades
	Total		60	2	100%
	Evaluation criteria	Activity during classes		Colloquium/ exam	

Monitoring and evaluating student work	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together	The exam consists of a test with 20 questions. Each question offers 4 answers, of which only one is correct. A correct answer is evaluated with 1 point, so it is the pass threshold of 10 points.	
	Points: min. – max.		0-10	0-20	
	Minimum number of points - pass threshold		5	10	
	Total		0-30		
	Total grade	Pass threshold	Points range	Grade	
	25 points	45 – 50 38 - 44.9 32 - 37.9 30 - 31.9 25 - 29.9	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory) 2 (satisfactory)		
<p>Conditions for accession final the exam</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquia 4. Collect at least 50% points 					
<p>Final exam - criterion evaluations</p> <p>The final exam consists of a written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p>					

		% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade															
		90 – 100 %	5 (excellent)	A															
		80 – 89,9 %	4 (very good)	B															
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<p>Final grade</p> <p>Forming the final grade: Based on the points achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%). In the ECTS system, the grade is expressed in the following way:</p>																			
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Compulsory literature	<p>1. . Habek D. Ginekologija i porodništvo. Zagreb: Medicinska naklada, 2017. 2. . Ljubojević N. ginekologija i porodništvo. Zagreb: Zdravstveno veleučilište, 2005.</p>																		
Additional literature	Teaching texts																		
Number of copies in the library	Title	Number of copies	Number of students																
	<p>1. Habek D. Ginekologija i porodništvo. Zagreb: Medicinska naklada, 2017 2. Ljubojević N. Ginekologija i porodništvo. Zagreb: Zdravstveno veleučilište, 2005.</p>	12	60																
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competencies	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>																		

GENERAL INFORMATION		
Course title	HYGIENE AND EPIDEMIOLOGY	
Course holder	PhD. Željko Huljev, MD, lecturer	
Study programme (undergraduate, graduate)	undergraduate study in nursing	
Course status	Obligatory	
Year of study	2	
Credit score and forms of teaching	ECTS credits	3
	Number of hours (Lectures+Exercises+Seminars)	P-30, E-15, S-15

COURSE DESCRIPTION	
Course objectives	To acquaint students with hygienic-epidemiological terms, phenomena and problems, train them to recognize and estimate causal factors for the origin of diseases and apply and analyze procedures from the nursing domain of hygiene and epidemiology.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - explain hygienic-epidemiological terms and occurrences of ways and approaches in determining the problem</p> <p>2 - explain the causes of individual diseases, and methods of recognition (discovery)</p> <p>3 - group and distinguish groups' diseases according to their epidemiological peculiarities</p> <p>4 - state epidemiological traits of chronic non-infectious cardiovascular diseases, malignant processes of various kinds, mental disorders, diabetes and other non-communicable diseases</p> <p>5 – to carry out general and specific measures of prevention of diseases</p> <p>6 - explain the influence of environmental factors (food, water, ground, air, light) on human physical and mental health and the influence of society (family, community) on human physical and mental health</p>
Course content	<ol style="list-style-type: none"> 1. Hygienic-epidemiological concepts and occurrences, ways, approaches and measurements when determining the problem (Outcome 1) 2. Understanding factors that cause disease, ways of transmission and mode of infection (Outcome 2) 3. Grouping and distinction of groups diseases according to their epidemiological characteristics (Outcome 3) 4. Epidemiological characteristics of chronic non-infectious cardiovascular diseases, malignant process, mental disorders, diabetes and other non-infectious diseases (outcome 4) 5. General and specific measures for prevention of diseases: primary and secondary prevention of infectious diseases, prevention measures for non-infectious diseases (Outcome 5)

	6. Influence of environmental factors (food, water, ground, air, light) on human physical and mental health and the influence of society (family, community) on health				
Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input checked="" type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
Comments					
Students` obligations	Regularly and conscientiously attendance in all forms of classes				
	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 6	45	1.5	0
	Activity during classes	1 - 6	6	0.20	0 - 10
	Seminar/product ion and presentations	1 - 6	9	0.30	0 - 20
	Colloquium/oral	1 - 6	7.5	0.25	0 - 20
	Total		67. 5	2.25	0-50 (50% grades)
	The final exam not taken.		22.5	0.75	50% grades
	Total		90	3	50% grades
	Evaluation criteria	Activity during classes	Colloquium/oral exam		Seminar/preparat ion and presentation

Monitoring and evaluating student work	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together	Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content	Organization/structure of work Vocabulary and grammar Expertise and professional terminology Writing style Citation and citing of references Presentation/multimedia
	Points: min. – max.		0-10	0-20	0-20
	Minimum number of points - pass threshold		5	10	10
	Total		0-50		
	Total grade	Pass threshold	Points range	Grade	
	25 points	45 – 50 38 - 44.9 32 - 37.9 30 - 31.9 25 - 29.9	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory) 2 (satisfactory)		
Conditions for accession final the exam					
5. Regularly attend classes					
6. Actively taking part in classes					
7. Pass colloquia					
8. Collect at least 50% points					
Final exam - criterion evaluations					
The final exam consists of a written exam.					
If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:					

		% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade															
		90 – 100 %	5 (excellent)	A															
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<p>Final grade</p> <p>Forming the final grade: Based on the points achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%). In the ECTS system, the grade is expressed in the following way:</p>																			
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Compulsory literature	1. . Kolčić I, Vorko Jović A. Epidemiologija. Medicinska naklada, 2012. 2. . Puntarić D, Ropac D, i sur. Higijena i epidemiologija. Zagreb: Medicinska naklada, 2016.																		
Additional literature	1. Vorko-Jović A, Strnad M, Rudan I, i sur. Epidemiologija kroničnih nezaraznih bolesti, Zagreb, Medicinska naklada, 2010. 2. Ropac D, Puntarić D, i sur. Epidemiologija zaraznih bolesti, Zagreb, Medicinska naklada, 2010.																		
Number of copies in the library	Title	Number of copies	Number of students																
	1. Kolčić I, Vorko Jović A. Epidemiologija. Medicinska naklada, 2012.	12	60																

Methods of quality monitoring that ensure the acquisition of knowledge, skills and competencies

Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.

Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.

GENERAL INFORMATION		
Course title	INFECTOLOGY	
Course holder	PhD. Jasminka Brkičić, MD, lecturer	
Study programme (undergraduate, graduate)	Undergraduate study in nursing	
Course status	Obligatory	
Year of study	2	
Credit score and forms of teaching	ECTS credits	1
	Number of hours (Lectures+Exercises+Seminars)	L-30

COURSE DESCRIPTION	
Course objectives	Acquaint nursing students with the principles of the origin and transmission of infectious diseases and the field of general infectology (basics, immunology, immunoprophylaxis and antimicrobial therapy of infectious diseases) and special infectology (the most common infectious diseases, diseases with severe clinical condition and outcome, emergent diseases and traveller's diseases, and healthcare-associated infections.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	1 - explain fundamental and specific principles of origin and transmission of contagious diseases, their clinical picture and disease course, as well as diagnostic and therapeutic procedures 2 – state measures in preventing infectious diseases
Course content	<ol style="list-style-type: none"> 1. general infectology: immunology, immunoprophylaxis, principles of antimicrobial therapy and chemoprophylaxis (Outcome 1, 2) 2. Special infectology: intestinal infectious diseases, acute bacterial and viral infections of the respiratory tract, viral hepatitis, viral and purulent meningitis, rash infectious diseases, anthroozoonoses and diseases of natural foci, emergent infectious diseases, tropical infectious diseases and travel infections, HIV/AIDS and sepsis syndrome, healthcare-associated infections (Outcome 1, 2)

Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other											
	Comments													
Students' obligations		Regularly and conscientiously attendance in all forms of classes												
Monitoring and evaluating student work	Activities	Outcomes	Hours	ECTS	Points min. – max.									
	Attendance	1 - 2	11	0.36	0									
	Activity during classes	1 - 2	4	0.14	Formative tracking of work students It is not graded									
	Total	1 - 2	1 5	0.50	0									
	Final exam written		15	0.50	100% grades									
	Total		30	2	100% grades									
<p>Conditions for accession final the exam</p> <p>1. Regularly attend classes</p>														
<p>Final exam - criterion evaluations</p> <p>The final exam consists of a written exam. If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p> <table border="1" data-bbox="603 1825 1278 2054"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical grade</th> <th>ECTS - grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89,9 %</td> <td>4 (very good)</td> <td>B</td> </tr> </tbody> </table>						% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade	90 – 100 %	5 (excellent)	A	80 – 89,9 %	4 (very good)	B
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Compulsory literature	<p>1. 1. Kuzman, I. Infektologija za visoke zdravstvene škole, Medicinska naklada, Zagreb,2011.</p> <p>2.. Begovac J, i sur. Klinička infektologija, Medicinska naklada Zagreb, 2019.</p>																		
Additional literature	Southwick F, Edge I. Infektologija / short clinical course (2. edition Mc Graw Hill, LANGE, 2017.																		
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GENERAL INFORMATION

Course title	INTERNAL MEDICINE	
Course holder	PhD. Ivan Krečak, MD, lecturer M.Sc. Marijana Gulin, MD, lecturer	
Study programme (Undergraduate, graduate)	Professional undergraduate nursing study	
Course status	Obligatory	
Year of study	2.	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L -30

COURSE DESCRIPTION

Course objectives	To acquaint students with the etiology and mechanisms of disease occurrence, with their clinical manifestations, diagnostic procedures, basic laboratory and instrumental searches and principles of treatment to better understand patients' problems in everyday work.
Terms of course entry and required competences	None.
Expected learning outcomes on the course level	1 - explain elementary principles of pathogenesis in internal medicine diseases 2 - describe the symptoms and signs of internal diseases 3 - describe basic diagnostic procedures in diagnosing diseases 4 - explain the methods of treatment of internal diseases 5 - describe complications in internal medicine diseases 6 - describe symptoms of urgent conditions related to internal diseases and measures of first aid

Course content	<ol style="list-style-type: none"> 1. Diseases of the cardiovascular system (ischemic heart disease; rhythm disorders, electrostimulation; shock; sudden death, cardiopulmonary resuscitation; pulmonary heart; diseases of arteries and veins) (Outcome 1, 2, 3, 4, 5) 2. Diseases of the respiratory system (diagnostic methods; functional disorders; cough, hemoptysis; bronchial asthma; COPD; acute and chronic respiratory insufficiency; infections respiratory system; pulmonary carcinoma; pleura diseases; ARDS; tuberculosis) (Outcome 1, 2, 3, 4, 5) 3. Diseases of the digestive system (diagnostic methods; vomiting, diarrhea, constipation, malabsorption, bleeding, icterus, ascites; diseases of the esophagus; GERD; gastritis, ulcer disease, Zollinger-Ellison syndrome; inflammatory bowel diseases; irritable colon; diverticulosis; vascular disorders of the intestines; anorectal diseases; tumors of the gall bladder; tumors of the pancreas and hepatobiliary system) (Outcome 1, 2, 3, 4, 5) 4. Clinical immunology and rheumatology (allergic reactions; collagenases; seronegative arthritis; roles; degenerative joint diseases; metabolic bone diseases) (Outcome 1, 2, 3, 4, 5) 				
	<ol style="list-style-type: none"> 5. Diseases of the endocrine system (laboratory diagnostics; diseases of the hypothalamus and pituitary gland; diseases of the thyroid, adrenal and parathyroid glands; clinical use of glucocorticoids; diabetes) (Outcome 1, 2, 3, 4, 5) 6. Diseases of the blood and blood-forming organs (hematopoietic system; anemia; agranulocytosis; polycythemia vera; acute and chronic leukemias; malignant lymphomas; multiple myeloma; diseases caused by disorders of hemostasis) (Outcome 1, 2, 3, 4, 5) 7. Diseases of the kidneys and urinary tract (examination of diagnostic procedures; glomerular diseases; nephrotic syndrome; tubulointerstitial diseases of the kidneys; urinary tract infections; tuberculosis; stones; urinary tract obstruction; acute and chronic renal failure; dialysis and transplantation) (Outcome 1, 2, 3, 4, 5) 8. Emergency conditions of internal diseases and measures of the first aid (Outcome 6) 				
Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> education on the distance <input type="checkbox"/> field teaching		<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
Students' obligations	Regularly and conscientiously attendance in all forms of classes				
	Activities	Outcomes	Hours	ECTS	Points min. – max.
	Attendance	1 - 6	22	0.74	0
	Activity during classes	1 - 6	4	0.13	0 - 10

Monitoring and evaluating of students work	Colloquium/written I/ no. content – 1 - 4	1 - 6	7.5	0.25	0 - 20	
	Colloquy/written II/content no. 5 – 8	1 - 6	7.5	0.25	0 - 20	
	Total	1 - 6	41	1.37	0 – 50 (50% grades)	
	Final exam/written	1 - 6	19	0.63	50% grades	
	Total		60	2	100% grades	
	Grade criteria	Activity during classes	Colloquium I/written		Colloquium II/written	
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks together	A knowledge test offers 4 answers, of which only 1 is correct. The test contains 20 questions, each with a correct answer are values with 1 point. The range of points and the link with the grade is determined by the course holder		A knowledge test offers 4 answers, of which only 1 is correct. The test contains 20 questions, each with a correct answer are values with 1 point. The range of points and the link with the grade is determined by the course holder	
	Points: min. - max.	0 - 10	0 - 20		0 - 20	
	Minimal number of points - passing threshold	5	10		10	
	Total	0 - 50				
	Total grade	Pass threshold	Point s range	Grade		
		25 points	45 – 50 38 - 44.9 32 - 37.9 25 - 31.9	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory)		

Conditions for forming the final gradee:

1. Regularly attend classes
2. Actively taking part in classes
3. Pass colloquia
4. Collect at least 50% points

Final grade

Final exam consists of: written exam.

If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:

% of acquired knowledge, skills and competencies	Numerical grade
90 – 100 %	5 (excellent)

80 – 89.9 %	4 (very good)
65 – 79.9 %	3 (good)
50 - 64.9 %	2 (satisfactory)

Final grade

Forming the Final grade: Based on the points achieved during classes. In the ECTS system, the grade is expressed in the following way:

% of acquired knowledge, skills and competencies	Numerical grade	ECTS - Grade
90 – 100 %	5 (excellent)	A
80 – 89.9 %	4 (very good)	B
65 – 79.9 %	3 (good)	C
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Compulsory literature

1. Petrač D, Lukenda J. Interna medicina.2. izd. Medicinska naklada, 2021.
2. Včev A, Mirat J, Mihić D. Interna medicina. Osijek -Sveučilište u Osijeku. Naklada Ljevak, 2021.
3. Morović-Vergles J, i sur. Odabrana poglavlja iz interne medicine, Naklada Slap/Zdravstveno veleučilište, 2008.

Additional literature

1. Petrač D. i sur. Interna medicina, Medicinska naklada, 2008.
2. Vrhovac B, Jakšić B, Reiner Ž, Vucelić B. Interna medicina, Naklada Ljevak, 2008.

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GENERAL INFORMATION		
Course title	PATHOPHYSIOLOGY	
Course holder	PhD. Ivan Krečak, MD, lecturer	
Study programme (Undergraduate, graduate)	Professional undergraduate nursing study	
Course status	Obligatory	
Year of study	2.	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L -30

COURSE DESCRIPTION	
Course objective	To acquaint students with the basic principles of general pathophysiology, the basic principles of special pathophysiology, ways and causes of pathophysiological processes, and with general and specific models of the organism's behavior in health and disease.
Terms of course entry and required competences	None.
Expected learning outcomes on the course level	<p>1 - explain general pathophysiological principles, action, causes and ways of development of pathophysiological processes and the basis of special pathophysiology</p> <p>2 - recognize general ways of organ and tissue insufficiency and special methods of recognizing the severity and significance of symptoms and signs of the disease</p> <p>3 - explain basics of differential diagnosis</p>
Course content	<ol style="list-style-type: none"> 1. general pathophysiology, general models of behavior in organism in health and diseases, general principles of the body's response to injury and infection, whether by physical, chemical or biological agents, and special pathophysiology (Outcome 1) 2. Specific models of the behavior of organs and tissues such as: peripheral and central nervous system, cardiovascular system, urogenital organs, hematopoietic organs and on the blood, respiratory system, digestive organs, endocrine system, tumors, etc. (Outcome 2) 3. The basics and peculiarities of differential diagnosis (Outcome 3)

Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> education on the distance <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other
	Comments -	

Student's obligations	Regularly and conscientiously attendance in all forms of classes				
	Activities	Outcomes	Hours	ECTS	Points min. – max.
	Attendance	1 - 3	22	0.74	0
	Activity during classes	1 - 3	8	0.26	0 - 10
	Colloquium/oral/1	1	15	0.50	0 - 20
	Colloquium/oral/2	2 - 3	15	0.50	0 - 20
	Total		60	2	100% grades
	Final exam not taken				
	Total		60	2	100% grades
	Grade criteria	Activity during classes	Colloquium 1/oral exam		Colloquium 2/oral exam

Monitoring and evaluation of students work	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together	Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content	Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content
	Points: min. - max.		0 - 10	0 - 20	0 - 20
	Minimal number of points – pass threshold		5	10	10
	Total		0 - 50		
	Total grade	Pass threshold	Points range	Grade	
		45 – 50	5 (excellent)		
		38 - 44.9	4 (very good)		
		32 - 37.9	3 (good)		
		25 - 31.9	2 (satisfactory)		
Conditions for forming the final gradee: 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquia 4. Collect at least 50% points 5. Grade and points respectively are transmitted in the final assessment					

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Additional literature	1. Kasper DL, Braunwald Well, Fauci S. et al. Harrison. Principles of internal medicine. 19. edition. 4. Croatian edition. Split: Placebo, 2019. 2. Damjanov I, Seiwert S, Jukić S, Nola M. Paologija. Zagreb: Medicinska naklada, 2017.																			
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GENERAL INFORMATION		
Course title	PATHOLOGY	
Course holder	PhD. Kristijan Bečić, MD, lecturer	
Study programme (undergraduate, graduate)	undergraduate study in nursing	
Course status	Obligatory	
Year of study	2	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-30, E-10

COURSE DESCRIPTION	
Course objectives	To acquaint students with fundamental principles of general pathologies, with fundamental principles of pathologies in organs and organ systems, the causes of certain diseases and morphological changes and their consequences.
Terms of course entry and required competences	None
Expected learning outcomes on the course level	<p>1 - explain fundamental principles of general pathologies and fundamental principles of pathologies in organs and organ systems</p> <p>2 - explain the functional consequences of morphological change</p> <p>3 - recognize morphological changes in cells, tissues and organs</p> <p>4 - identify the causes and mechanisms of disease</p>
Course content	<ol style="list-style-type: none"> 1. general pathology (processes of adaptation, cellular damage and death, acute and chronic inflammation, reparation, regeneration, healing, hemodynamic disorders, genetic disorders, immune disorders, neoplasms, environmental pathology) (Outcome 1) 2. Functional consequences of morphological change (Outcome 2) 3. Morphological changes in cells, tissues and organs (pathology of organs and organs system: cardiovascular system, breathing system, hematopoietic system, digestive system, liver, pancreas, kidneys, breasts, male and female reproductive system, endocrine system, skin, bones and joints, peripheral nerves, muscles, central nervous system) (Outcome 3) 4. Causes and mechanisms of origin of diseases (Outcome 4)

Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input checked="" type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
	Comments				
Students` obligations Regularly and conscientiously attendance off all forms of classes					
Monitoring and evaluating student work	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 4	30	1	0
	Activity during classes	1 - 4	6	0.20	0-10
	Colloquium/oral	1 - 4	9	0.30	0-20
	Total	1 - 4	45	1.5	0 – 30 (50 % grades)
	Final exam written		15	0.50	50 % grades
	Total	1 - 4	60	2	100 % grades
	Evaluation criteria	Activity during classes		Colloquium/oral exam	
Description	Preparation for teaching units Understanding previous content Participation in solving tasks together		Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content		

	Points: min. – max.	0-10	0-20																
	Minimum number of points - pass threshold	5	10																
	Total	0-30																	
	Total grade	Pass threshold	Points range	Grade															
		15 points	26 - 30 23 - 25.99 19 - 22.99 15 - 18.99	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory)															
	<p>Conditions for accession final the exam</p> <ol style="list-style-type: none"> 1.Regularly attend classes 2.Actively taking part during classes 3.Pass colloquia 4.Collect at least 50% points 																		
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Additional literature	<ol style="list-style-type: none"> 1. Edward C. Klatt. Robbins and Cotran Atlas of Pathology, 4th Ed. Elsevier; 2020. 2. Belicza M. Tomas D. Obdukcijaska dijagnostika, IV Zagreb: Medicinska naklada, 2011. 		
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Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>		

GENERAL INFORMATION		
Course title	SOCIOLOGY OF HEALTH	
Course holder	PhD. Sonja Kalauz, professor	
Study programme (undergraduate, graduate)	undergraduate study in nursing	
Course status	Obligatory	
Year of study	2	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-30, E-15

COURSE DESCRIPTION	
Course objectives	To enable students to gain insight and knowledge about key sociological theories and concepts, basic sociological concepts, and sociological approaches to health and disease. It is also desired that students acquire basic knowledge about social institutions (in particular in medicine and healthcare), bureaucracy and professions, power and discrimination, health policies, human rights (patients' rights), and social relations and inequalities in health.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - present the basic sociological knowledge necessary to understand the importance of social questions in healthcare and influence of societies, health and social policies on the health of individuals</p> <p>2 - explain different models of health, methods of prevention of diseases and importance of intersectoral cooperation</p> <p>3 - explain the importance of healthcare enlightenment and healthcare upbringing</p> <p>4 - decompose fundamental principles of righteousness and equality in society, the necessity of tolerance and the importance of interdisciplinarity in the provision of healthcare</p> <p>5 - analyze observed political and social occurrences, connect results of analysis with the needs of future profession</p>
Course content	<ol style="list-style-type: none"> 1. Sociology of health, socialization, social stratification and social inequality, social mobility, social subsystems (education, religion, culture, health...), sociology and nursing, sociology and environment, power and politics, individual-collective, family, stigma, gender and health, health and humanitarian organizations, migration, demographic changes (Outcome 1) 2. Models of health, methods of prevention of diseases and intersectoral cooperation (Outcome 2) 3. Health insurance enlightenment and medical upbringing (Outcome 3) 4. Fundamental principles of righteousness and equality in society, necessity of tolerance and interdisciplinarity in the provision of health care (Outcome 4) 5. Political and social occurrences and their influence on future nursing

	professions (Outcome 5)				
Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work	<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other			
Comments					
Students` obligations	Regularly and conscientiously attendance in all forms of classes				
	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 5	34	1.10	0
	Activity during classes	1 - 5	3	0.10	0 - 10
	Seminar	1 - 5	6	0.20	0 - 20
	Colloquium/oral	1 - 5	4	0.15	0 - 10
	Total	1 - 5	47	1.55	0 – 40 (50% grades)
	The final exam not taken	1 - 5	13	0.45	50% grades
	Total		60	2	100% grades
	Evaluation criteria	Activity during classes	Colloquium/oral exam		Seminar/preparatio n and presentation

Monitoring and evaluating student work	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together	Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content	Organization/structure of work Vocabulary and grammar Expertise and professional terminology Writing style Citation and citing of references Presentation/multimedia
	Points: min. – max.		0-10	0-10	0-20
	Minimum number of points - pass threshold		5	5	10
	Total		0-40		
	Total grade	Pass threshold	Points range	Grade	
	20 points	35 - 40 30 - 34.99 26 - 29.99 20 - 25.99	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory)		
Conditions for accession final the exam					
<ol style="list-style-type: none"> 2. Regularly attend classes 3. Actively taking part in classes 4. Pass colloquia 5. Collect at least 50% points 6. Get a positive assessment from seminars 					
Final exam - criterion evaluations					
<p>The final exam consists of a written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p>					

		% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade															
		90 – 100 %	5 (excellent)	A															
		80 – 89,9 %	4 (very good)	B															
		65 – 79.9 %	3 (good)	C															
		50 -64,9 %	2 (satisfactory)	D															
<p>Final grade</p> <p>Forming the final grade: Based on the points achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%). In the ECTS system, the grade is expressed in the following way:</p> <table border="1" data-bbox="549 875 1222 1218"> <tr> <td>% of acquired knowledge, skills and competencies</td> <td>Numerical grade</td> <td>ECTS - grade</td> </tr> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89,9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64,9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </table>					% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade	90 – 100 %	5 (excellent)	A	80 – 89,9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64,9 %	2 (satisfactory)	D
% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade																	
90 – 100 %	5 (excellent)	A																	
80 – 89,9 %	4 (very good)	B																	
65 – 79.9 %	3 (good)	C																	
50 -64,9 %	2 (satisfactory)	D																	
Compulsory literature	1. Cerjan-Letica G. Medicinska sociologija. Zagreb: Medicinska naklada, 2003.																		
Additional literature	1. Conrad P, Leiter V. The Sociology of Health and Illness: Critical Perspectives (9.izdanje). Worth Publishers; 2013. 2. Marmot M. Sindrom statusa Zagreb: Algoritam; 2009																		
Number of copies in the library	Title	Number of copies	Number of students																
	1. Cerjan-Letica G. Medicinska sociologija. Zagreb: Medicinska naklada, 2003.	12	60																
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competencies	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>																		

Course title	MATERNAL AND NEWBORN NURSING CARE	
Course holder	Silvia Petković, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate nursing study	
Course status	Obligatory	
Year of study	2.	
Credit score and forms of teaching	ECTS credits	6
	Number of hours (Lectures+Exercises+Seminars)	L-25 E-140 S-5

COURSE DESCRIPTION	
Course objectives	To acquaint students with the basic principles of care for pregnant women, women in labor and midwives: education of pregnant women, women in labor and midwives about nutrition, breastfeeding and breastfeeding techniques, physiological changes, physical activity for the purpose of promoting and preserving health and preventing diseases during pregnancy and after childbirth. Students will also be introduced to the health care of healthy and sick newborns and premature infants.
Terms of course entry and required competences	None.
Expected learning outcomes on the course level	<p>1 - explain fundamental principles of care for pregnant woman, women giving birth and midwives</p> <p>2 - apply process of health care to pregnant women, women giving birth and midwives</p> <p>3 - educate pregnant women, mothers and midwives about nutrition, breastfeeding and breastfeeding techniques, physiological changes, physical activities with purpose of promotion and preservation of health and disease prevention during pregnancy and after childbirth</p> <p>4 – explain to pregnant women ways of giving birth, preparation for birth and possible complications in childbirth, orderly postpartum period and postpartum complications</p> <p>5 – apply healthcare to newborns or prematures according to health condition/vitality</p> <p>6 - state conditions which demand urgent interventions to newborns and specifics of the resuscitation procedure</p>
Course content	<ol style="list-style-type: none"> 1. Health care of pregnant women, mothers in labor and midwives (antenatal care and postnatal care, physiological changes during pregnancy, high-risk, multiple and adolescent pregnancy, nutrition during pregnancy, embryonic and fetal development, pregnancy complications) (Outcome 1) 2. Process of health care with healthy and sick pregnant women, mothers and midwives: determination of needs, setting goals, enforcement of intervention and outcome, health care in pregnant women with heart disorder, anemias and vomiting, diabetes, EPH ketosis, eclampsia, etc. (Outcome 2)

	<p>3. Education of pregnant women, mothers and midwives about nutrition for pregnancy time, breastfeeding and breastfeeding technique, physiological changes, physical activities for the purpose of promoting and preserving health and disease prevention during and after pregnancy</p> <p>4. Preparation of pregnant women for birth, basic concepts of normal giving birth, ways of giving birth and complications in childbirth, postpartum period and postpartum complications, birth trauma, emergencies in obstetrics (Outcome 4)</p> <p>5. Assessment of the vitality of a newborn, characteristics of a healthy newborn, healthcare of a newborn (Apgar, skin care, lips cavities care, navel care, care of prematures in the incubator) (Outcome 5)</p> <p>6. Emergency conditions in newborn age, specifics of resuscitation, interventions (Outcome 6)</p>	
Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work	<input checked="" type="checkbox"/> independent tasks <input checked="" type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other
Comments		
Students' obligations	Regularly and conscientiously attendance in all forms of classes	

Monitoring and evaluating	Activities	Outcomes	Hours	ECTS	Points min. – max.
	Attendance	1-6	128	4.2	0
	Activity during classes	1-6	16	0.60	0-30
	Seminar/preparation and presentation	1-6	11	0.30	0-20
	Colloquium/oral	1-6	155	5.1	0-50 (50%of the grade)
	Total				
	Final exam/written	1-6	25	0.90	50%
	Total		180	6	100% grades
	Grade criteria	Activity during classes and seminar work/work in a group		Colloquium/oral exam	

student work	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together	Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content	
	Points: min. – max.		0-30	0-20	
	Minimum number of points - pass threshold		15	10	
	Total		0-50		
	Total grade	Pass threshold	Points range	Grade	
	25 points	45 – 50	5 (excellent)		
		38 - 44.9	4 (very good)		
32 - 37.9	3 (good)				
25 - 31.9	2 (satisfactory)				
Conditions for forming the final gradee:					
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquia/oral - if student does not pass oral colloquia, cannot access clinical exercises 4. Collect at least 50% points 					

	<p>Final grade</p> <p>Forming the Final grade: Based on the points achieved during classes. In the ECTS system, the grade is expressed in the following way:</p> <table border="1" data-bbox="539 526 1227 922"> <thead> <tr> <th data-bbox="539 526 815 645">% of acquired knowledge, skills and competencies</th> <th data-bbox="815 526 1062 645">Numerical grade</th> <th data-bbox="1062 526 1227 645">ECTS - grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="539 645 815 703">90 – 100 %</td> <td data-bbox="815 645 1062 703">5 (xcellent)</td> <td data-bbox="1062 645 1227 703">A</td> </tr> <tr> <td data-bbox="539 703 815 761">80 – 89,9 %</td> <td data-bbox="815 703 1062 761">4 (very good)</td> <td data-bbox="1062 703 1227 761">B</td> </tr> <tr> <td data-bbox="539 761 815 819">65 – 79.9 %</td> <td data-bbox="815 761 1062 819">3 (good)</td> <td data-bbox="1062 761 1227 819">C</td> </tr> <tr> <td data-bbox="539 819 815 878">50 -64,9 %</td> <td data-bbox="815 819 1062 878">2 (satisfactory)</td> <td data-bbox="1062 819 1227 878">D</td> </tr> <tr> <td data-bbox="539 878 815 922"></td> <td data-bbox="815 878 1062 922"></td> <td data-bbox="1062 878 1227 922"></td> </tr> </tbody> </table>			% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade	90 – 100 %	5 (xcellent)	A	80 – 89,9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64,9 %	2 (satisfactory)	D			
% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade																			
90 – 100 %	5 (xcellent)	A																			
80 – 89,9 %	4 (very good)	B																			
65 – 79.9 %	3 (good)	C																			
50 -64,9 %	2 (satisfactory)	D																			
Compulsory literature	<ol style="list-style-type: none"> Đelmiš J, Orešković S. Fetalna medicina i opstetricija. Zagreb: Medicinska naklada; 2014. Habek D. Ginekologija i porodništvo. Zagreb: Medicinska naklada, 2017. 																				
Additional literature	Marcia L. London , at all. , Maternal & Child Nursing Emperor (5th ed.). Prentice Hall, 2016.																				
Number of copies in the library	Title	Number of copies	Number of students																		
	1. Đelmiš J, Orešković S. Fetalna medicina i opstetricija. Zagreb: Medicinska naklada; 2014.	1 2	6 0																		
	2.Habek D. Ginekologija i porodništvo. Zagreb: Medicinska naklada, 2017.	1 2	6 0																		
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>																				

GENERAL INFORMATION

Course title	NURSING CARE OF ADULTS I/II	
Course holder	Ana Žepina Puzić, MSN, lecturer Nikolina Visnjic Junakovic, MSN, lecturer	
Study programme- undergraduate	Undergraduate Professional Study Nursing	
Course status	Obligatory	
Year of study	2.	
Credit score and forms of teaching	ECTS credits	4
	Hours (Lectures+ Exercises+ Seminars)	L-30, E-70, S- 10

COURSE DESCRIPTION

Course objectives	To acquaint the student with the basic principles and skills of health care for patients with internal, infectious, and neurological diseases. Acquired and adopted knowledge and skills should enable an understanding of the basic principles of health care, and the application of fundamental and social skills in nursing practice.
Terms of course entry and required competences	There are no conditions
Expected learning outcomes on course level	<p>1 - explain fundamental facts from pathophysiology, clinical condition, diagnostics, methods of treatment and rehabilitation of the most common internal, neurological, and infectious diseases</p> <p>2 - plan healthcare care of internal, neurological and infectious diseases patients (data collection, setting of nursing diagnoses, goals, implementation of interventions and outcome evaluation) with (Outcome 2):</p> <ol style="list-style-type: none">1. the patient with disorder of oxygenation and ventilation (Outcome 2)2. the patient with tuberculosis of lungs, COPD, pneumonias (Outcome 2)3. the patient with nephrological and gastrointestinal diseases (Outcome 2)4. the patient with cirrhosis of liver and complication diseases (Outcome 2)5. the patient with cardiovascular diseases (Outcome 2)6. the patient with deep venous thrombosis (Outcome 2)7. the patient with a disorder of immunological system (Outcome 2)8. the patient with disorder of endocrine functions (healthcare of people with diabetes, hyperthyroidism, and Cushing's syndrome) (Outcome 2)9. the patient with a disorder of exocrine functions of pancreas10. the patient with the disorder of functions of the hematopoietic and lymphatic system (Outcome 2)11. while applying cytostatic therapy (Outcome 2)12. the patient with malignant diseases (Outcome 2)13. the patient who needs palliative care (Outcome 2)

Course content	<ol style="list-style-type: none"> 1. Basics of pathophysiology, clinical condition, diagnostics, ways of treatment and rehabilitation of the most common internal, neurological, and infectious diseases (Outcome 1) 2. Process of health care – making health care plan for patients with internal, neurological and infectious diseases (gathering data, setting nursing diagnosis and goals, enforcement intervention, and evaluation of outcome (Outcome 2) <ul style="list-style-type: none"> - patients with disorder of oxygenation and ventilation (Outcome 2) - patients with tuberculosis of lungs, COPD, pneumonias (Outcome 2) - patients with nephrological and gastrointestinal diseases (Outcome 2) - patients with cirrhosis of liver and complications (Outcome 2) - patients with cardiovascular diseases (Outcome 2) - patients with deep venous thrombosis (Outcome 2) - patients with a disorder of immunological system (Outcome 2) - patients with disorder of endocrine functions (health care for patients with diabetes, hypothyroidism, hyperthyroidism, and Cushing's syndrome) (Outcome 2) - patients with disorder of exocrine functions of pancreas (Outcome 2) - patients with disorder of function of hematopoietic and lymphatic system (Outcome 2) <ul style="list-style-type: none"> - patients that apply cytostatic therapy (side effects of cytostatic therapy, complications) (Outcome 2) - patients with malignant diseases (Outcome 3) - patients who need palliative care (Outcome 2) 3. Implementation of planned health care for patients with diseases of different organic system (activities/interventions): <ul style="list-style-type: none"> - health care of the patient with disorder of oxygenation and ventilation (Outcome 3) - health care for patients with tuberculosis of lungs, COPD, pneumonia (Outcome 3) - health care for patients with nephrological and gastrointestinal diseases (Outcome 3)

	3)				
	<ul style="list-style-type: none"> - healthcare of patients with cirrhosis of liver and complications diseases (Outcome 3) - healthcare of patients with cardiovascular diseases (Outcome 3) - healthcare of patients with deep venous thrombosis (Outcome 3) - healthcare of patients with disorder of immunological system (Outcome 3) - healthcare of patients with disorder of endocrine functions (medical care of patients with diabetes, hypothyroidism, hyperthyroidism, and Cushing's syndrome) (Outcome 3) - healthcare of patients with disorders of the exocrine function of the pancreas (Outcome 3) - healthcare of patients with disorder of functions of hematopoietic lymphatic system (Outcome 3) - healthcare of patients that apply cytostatic therapy (side effects of cytostatic therapy, complications) (Outcome 3) - healthcare of patients with malignant diseases (Outcome 3) - healthcare of palliative patients (Outcome 3) 				
Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input type="checkbox"/> independent tasks <input checked="" type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
Comments	-				
Students` obligations	Regularly and conscientiously attendance of all forms of classes				
Monitoring and evaluating student work	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 3	82	2.80	0
	Activity during classes	1 - 3	6	0.20	0 - 20
	Seminar/, preparation and exposure	1 - 3	6	0.20	0 - 20
	Colloquium /oral	1 - 3	6	0.20	0 - 20
	Activity during classes Total		100	3,4	0-60 (50% grades)
	Closing exam/written	1 - 3	20	0.60	50 % grades
	Activity during classes Total		120	4	100 % grades

	Evaluation criteria	Activity during classes	Colloquium/ oral	Seminar work/preparation and exposure	
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks together	Level of knowledge (ability analysis, synthesis, and Grades) Structuredness and accuracy answers Logical connecting the facts Mastery of professional terms and concepts Correlation with related contents	Organization/structure of work Vocabulary and grammar Professionalism and professional terminology Style writing Citation and citing references Presentation/multimedia	
	Points: min. - max.	0 - 20	0 - 20	0 - 20	
	Minimal number of points - passing threshold	10	10	10	
	Activity during classes Total points	0 - 60			
	Total grade	Pass treshold	Points range	Grade	
		30 points	54 - 60 48 – 53.99 42 – 47.99 30 – 41.99	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory)	

Conditions for accession final the exam

1. Regularly attend classes
2. Actively taking part in classes
3. Pass colloquia - if student does not pass oral colloquium, cannot access clinical exercises
4. Get positive assessment from seminar
5. Collect at least 50% points

CLINICAL EXERCISES

Exercises/activities and interventions which are foreseen in Booklets for tracking and Grade of exercises and clinical practices are not evaluated numerically.

Success in performance exercises describes as:

- Exercise is adopted
- Exercise it is not adopted

In order for the student to be able to take the final exam, 90% of the planned interventions and activities must be adopted. 10% of foreseen intervention and activity can be transferred to the course Adult Health Care I/II

Closing exam - criterion Grades

Closing exam consists of: written exam.

If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:

% correct answers Final exam	Numerical grade
90 – 100 %	5 (excellent)
80 – 89.9 %	4 (very good)
65 – 79.9 %	3 (good)
50 - 64.9 %	2 (satisfactory)

Final Grade

The formation of the final grade according to the Rulebook on studying is the sum of the percentages of acquired knowledge, skills and competences achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%)

% of acquired knowledge, skills and competencies	Numerical grade	ECTS - Grade

		90 – 100 %	5 (excellent)	A	
		80 – 89.9 %	4 (very good)	B	
		65 – 79.9 %	3 (good)	C	
		50 -64.9 %	2 (satisfactory)	D	
Compulsory literature	<ol style="list-style-type: none"> 1. Franković S., i sur. Zdravstvena njega odraslih- priručnik za studij sestrinstva. Zagreb: Medicinska naklada, 2010. 2. Včev A, Mirat J, Mihić D. Interna medicina. Osijek – Sveučilište u Osijeku. Naklada Ljevak; 2021 3. Brinar, V. i sur. Neurologija. Zagreb: Medicinska naklada; 2019. 4. Kuzman I. Infektlogija za viskoke zdravstvene škole, Medicinska naklada, Zagreb, 2012. 				
Additional literature	Teaching texts				
Number of copies	title	Number of copies		Number of students	
Compulsory literature	1. Včev A, Mirat J, Mihić D. Interna medicina. Osijek – Sveučilište u Osijeku. Naklada Ljevak; 2021	12		60	
	2. Brinar, V. i sur. Neurologija. Zagreb: Medicinska naklada; 2019.	12		60	
	3. Kuzman I. Infektlogija za viskoke zdravstvene škole, Medicinska naklada, Zagreb, 2012.	12		60	
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others				

GENERAL INFORMATION		
Course title	HEALTH PSYCHOLOGY	
Course holder	PhD Gina Lugović, lecturer	
Study programme (undergraduate, graduate)	undergraduate study in nursing	
Course status	Obligatory	
Year of study	2	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-30, E-15

COURSE DESCRIPTION	
Course objectives	To acquaint students with basic knowledge of the psychological influence on health and illness, as well as the impact of illness and physical disorders on the development of psychological problems. Students will learn about the possibilities of applying psychological methods and techniques in health preservation, diagnosis, treatment and rehabilitation of diseases.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - explain the meaning of health psychology in recognition of psychological conditions which are related to health/diseases</p> <p>2 - predict the behaviour in persons of different ages in facing diseases</p> <p>3 - recognize the connection between different health hardships and psychological repercussions</p> <p>4 - explain the psychological aspects of working with dying patients and patients in the terminal stage of the disease and their family members</p> <p>5 - describe the process of grieving and losses - complicated grieving and depression</p>
Course content	<ol style="list-style-type: none"> 1. Definition of health psychology, pediatric psychology, stress, health and illness, psychological factors: personality traits, coping strategies, locus of control, social support (Outcome 1) 2. Behavior in persons of different ages in facing diseases, specific coping strategies regarding age and illness, hospitalization in children and its prevention (Outcome 2) 3. Connection of difference between health hardships and psychological consequence. Psychological preparation of the patient for operational procedures; psychological aspects of body parts loss, psychological aspects of diabetes (Outcome 3) 4. Psychological aspects of working with dying patients and patients in the terminal stage of the disease and their family members (Outcome 4) 5. Grieving and loss. Shapes of complicated grieving and depression (Outcome 5)

	5)				
Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work	<input checked="" type="checkbox"/> independent tasks <input checked="" type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other			
Comments					
Students` obligations	Regularly and conscientiously attendance in all forms of classes				
Monitoring and evaluating student work	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 5	34	1,2	0
	Class activities and practice approaches when solving psychological problems/group work	1 - 5	7.5	0.25	0 - 20
	Colloquium/oral	1 - 5	5.5	0.19	0 - 20
	Total		47	1.64	0 – 40 (50% grades)
	Final exam written	1 - 5	13	0.36	50 % grades
	Total		60	2	100% grades
	Evaluation criteria	Activities in classes and practicing approaches to solving psychological problems/group work	Colloquium/oral exam		

	Description		Preparation for teaching units Understanding previous content Participation in solving tasks and group work	Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content	
	Points: min. – max.		0-20	0-20	
	Minimum number of points - pass threshold		10	10	
	Total		0-40		
	Total grade	Pass threshold	Points range	Grade	
	20 points	35 - 40 30 - 34.99 26 - 29.99 24 - 25.99 20 - 23.99	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory) 2 (satisfactory)		
<p>Conditions for accession final the exam</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquia 4. Collect at least 50% points 					
<p>Final exam - criterion evaluations The final exam consists of a written exam. If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p>					

		% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade																		
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Compulsory literature	1. Havelka M, Havelka A. Zdravstvena psihologija. Jastrebarsko: Naklada Slap, 2013.																					
Additional literature	1. Hudek-Knežević J, Kardum I. Psihosocijalne odrednice tjelesnog zdravlja. Stres i tjelesno zdravlje. Jastrebarsko: Naklada Slap; 2006.																					
Number of copies in the library	Title	Number of copies	Number of students																			
	Havelka M. Zdravstvena psihologija. Jastrebarsko: Naklada Slap 2013	12	60																			
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competencies	Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on																					

the annual state of employment of students, surveys of employers and Alumni associations and others.

GENERAL INFORMATION		
Course title	ECONOMICS IN HEALTHCARE	
Course holder	PhD . Diana Mečev, college prof.	
Study programme (undergraduate, graduate)	Undergraduate study in nursing	
Course status	Optional	
Year of study	2	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-15, S-15

COURSE DESCRIPTION		
Course objectives	To acquaint students with the topic and problem of the economics of the health system and health policy and general and specific acquisition of knowledge on economy in health policies and its importance for the state	
Terms of course entry and required competencies	None	
Expected learning outcomes on the course level	1 - explain the role of economics in healthcare for health systems 2 - analyze the national health system - basics 3 - explain health economic indicators and healthcare policy 4 - explain the elements of healthcare reform and state interventions	
Course content	1. Introduction to economics of healthcare (Outcome 1) 2. General considerations on economy of national healthcare system with a special focus on the nursing segment regarding the number, needs, qualification, distribution, etc. (Outcome 2) 3. Health economic indicators and healthcare policy (Outcome 3) 4. Reform of healthcare and state interventions with special in review on nursing: competencies, system needs, categorization of patients, etc. (Outcome 4)	
Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work	<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other

Comments						
Students' obligations		Regularly and conscientiously attendance in all forms of classes				
Monitoring and evaluating student work	Activities	Outcomes	Hours	ECTS	Points min. – max.	
	Attendance	1 - 4	22	0.70	0	
	Activity during classes	1 - 4	12	0.40	0 - 10	
	Seminare	1 - 4	12	0.40	0 - 10	
	Colloquium/oral	1 - 4	14	0.50	0 - 10	
	Total	1 - 4	60	2	0 – 30 (100 % - evaluation)	
	The final exam was not taken.					
	Total	1 - 4	60	2	100 % - evaluation	
	Evaluation criteria	Activity during classes	Colloquium/oral exam	Seminar/preparation and presentation		
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks together	Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content	Organization/structure of work Vocabulary and grammar Expertise and professional terminology Writing style Citation and citing of references Presentation/multimedia		
	Points: min. – max.	0-10	0-10	0-10		
	Minimum number of points - pass threshold	5	5	5		
	Total	0-30				

	Total grade	Pass threshold	Points range	Grade															
		15 points	26 - 30	5 (excellent)															
			23 - 25.99	4 (very good)															
			19 - 22.99	3 (good)															
			15 - 18.99	2 (satisfactory)															
<p>Conditions for accession final the exam Regularly attend classes Actively taking part in classes Pass colloquia Positively evaluated seminar work Collect at least 50% points</p>																			
<p>Final grade Forming the final grade: Based on the points achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%). In the ECTS system, the grade is expressed in the following way:</p> <table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical grade</th> <th>ECTS - grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89,9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64,9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </tbody> </table>					% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade	90 – 100 %	5 (excellent)	A	80 – 89,9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64,9 %	2 (satisfactory)	D
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Compulsory literature	1. Miloloža, D, Economics in healthcare Osijek: University Josip Juraj Strossmayer in Osijek, Faculty of Dental Medicine and Health, 2010																		
Additional literature	Teaching texts																		
Number of copies in the library	Title	Number of copies	Number of students																
	1. Miloloža, D, Economics in healthcare Osijek: University Josip Juraj Strossmayer in Osijek, Faculty of Dental Medicine and Health,	12	60																

	2010		
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competencies	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>		

GENERAL INFORMATION		
Course title	BASIC PAIN MANAGEMENT PROCEDURES	
Course holder	Josipa Jović Zlatović, MD, lecturer	
Study programme (undergraduate, graduate)	Undergraduate study in nursing	
Course status	Optional	
Year of Study	2	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-15, E-15

COURSE DESCRIPTION	
Course objectives	The objectives of the course are the develop the necessary knowledge and skills to assess pain in patients, to recognise pain signs (verbal and non-verbal signs), to assess the psychological state of the patient and to carry out procedures during the treatment of pain (acute, chronic and malignant pain). Students will also try to acquire knowledge about therapeutic procedures for patients - addicts, and accompanying phenomena of opioid analgesia.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - define pain and its influence on all organs and organic systems</p> <p>2 - recognize symptoms it hurts (verbal and non-verbal characteristics) you psychologically the patient's condition</p> <p>3 - estimate the intensity of pain with the application of different measuring scales, aids or tools</p> <p>4 - explain techniques for suppressing or reducing the intensity of pain</p> <p>5 - recognize accompanying occurrences on the occasion of pharmacological method treatment for pain</p>
Course content	<ol style="list-style-type: none"> 1. Definition of pain, components and pathophysiology of pain (Outcome 1) 2. Signs and symptoms of pain (verbal, nonverbal) and psychological reactions of patients to pain (Outcome 2) 3. Assessment of intensity of pain with the application of different measuring scales, aids or tools (Outcome 3) 4. Techniques and methods for suppressing or reducing the intensity of pain (Outcome 4) 5. Accompanying occurrences of pharmacological preparations for suppression (early recognition and suppression) (Outcome 5))

Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
	Comments				
Students' obligations	Regularly and conscientiously attendance in all forms of classes				
	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 5	22	0.70	0
	Activity during classes	1 - 5	12	0.40	0 - 10
	Colloquium 1/oral	1 - 5	9	0.30	0 - 10
	Colloquium 2/ case	1 - 5	18	0.60	0 - 20
	Total	1 - 5	60	2	0 – 40 (100 % grades)
	The final exam was not taken.				
	Total	1 - 3	60	2	2
	Evaluation criteria	Activity during classes		Colloquium/oral exam	

Monitoring and evaluation of student work	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together	Preparation/learning Theoretical knowledge Accuracy of exercise inperformance or display/multimedia	Tracking verbal and non-verbal signs and symptoms of pain Application of scale for Determination of pain intensity Application of techniques for suppression of pain (competencies) Evaluation Documentation
	Points: min. – max.		0 - 10	0 - 10	0 - 20
	Minimum number of points - pass threshold.		5	5	10
	Total		0-40		
	Total grade	Pass threshold	Points range	Grade	
	20 points	35 - 40 30 - 34.99 26 - 29.99 20 - 25.99	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory)		
Conditions for forming the final grade: 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquium 4. Get positive assessment from studies case 5. Collect at least 50% points The final exam was not taken.					

	<p>Final grade</p> <p>Forming the final grade: Based on the points achieved during classes. In the ECTS system, the grade is expressed in the following way:</p> <table border="1" data-bbox="549 528 1224 869"> <thead> <tr> <th data-bbox="549 528 815 647">% of acquired knowledge, skills and competencies</th> <th data-bbox="815 528 1059 647">Numerical grade</th> <th data-bbox="1059 528 1224 647">ECTS - grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="549 647 815 701">90 – 100 %</td> <td data-bbox="815 647 1059 701">5 (excellent)</td> <td data-bbox="1059 647 1224 701">A</td> </tr> <tr> <td data-bbox="549 701 815 757">80 – 89,9 %</td> <td data-bbox="815 701 1059 757">4 (very good)</td> <td data-bbox="1059 701 1224 757">B</td> </tr> <tr> <td data-bbox="549 757 815 813">65 – 79.9 %</td> <td data-bbox="815 757 1059 813">3 (good)</td> <td data-bbox="1059 757 1224 813">C</td> </tr> <tr> <td data-bbox="549 813 815 869">50 -64,9 %</td> <td data-bbox="815 813 1059 869">2 (satisfactory)</td> <td data-bbox="1059 813 1224 869">D</td> </tr> </tbody> </table>			% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade	90 – 100 %	5 (excellent)	A	80 – 89,9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64,9 %	2 (satisfactory)	D
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Compulsory literature	1. Jukić M, Majerić Kogler V, Fingler M. Bol – uzroci i liječenje. Zagreb: Medicinska naklada; 2011																	
Additional literature	Ivančić T. Hagioterapijska antropologija. Zagreb: Teovizija; 2010.																	
Number of copies in the library	Title	Number of copies	Number of students															
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Methods of quality monitoring that ensure the acquisition of knowledge, skills and competencies	<p>Control of the quality of student's work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>																	

GENERAL INFORMATION

Course title	TRANSFUSION OF BLOOD AND BLOOD PRODUCTS	
Course holder	Ivana Skorić, MD, lecturer	
Study programme (undergraduate, graduate)	Undergraduate study in nursing	
Course status	Optional	
Year of Study	2	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-15, E-15

COURSE DESCRIPTION

Course objectives	Acquaint students with the indications for blood transfusion and its preparations in treating patients, when and why it is applied, patient preparation, preparation of materials for taking blood sample for KG, Rh factor and crossover tests. Also, students will get to know the principles of transfusion of blood and blood products and early and late complications.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 – explain indications for the application of blood transfusions and blood products in patient treatment and possible early and late complications</p> <p>2 – distinguish blood products according to actions/indications for application</p> <p>3 - spend procedure of taking sample blood for KG, Rh factor and compatibility tests/crossover tests</p> <p>4 – prepare the patient for application of blood transfusions and of blood products - identification, accompanying documentation</p> <p>5 – prepare doses of blood or blood products, material required for application</p> <p>6 – detect initial signs of complications</p>
Course content	<ol style="list-style-type: none"> 1. indications for the use of blood transfusion and blood products in the treatment of patients and possible early and late complications (Outcome 1) 2. types of blood preparations according to way of actions/indications for application (Outcome 2) 3. procedure of taking blood sample for KG, Rh factor and tests of compatibility/crossover tests (Outcome 3) 4. preparation of the patient for application of blood transfusions and of blood preparations – identification, supporting documentation (Outcome 4) 5. preparation of blood doses or blood preparation, material necessary for application (Outcome 5) 6. early and late complications of transfusion of whole blood and blood products (symptoms and signs) and their prevention (Outcome 6)

Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
	Comments				
Students' obligations		Regularly and conscientiously attendance in all forms of classes			
	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 6	22	0.70	0
	Activity during classes	1 - 6	12	0.40	0 - 10
	Colloquium 1/oral	1 - 6	12	0.40	0 - 10
	Essay	1-6	14	0.50	0 - 10
	Total	1 - 6	60	2	0 – 30 (100 % grades)
	The final exam was not taken.				
	Total		60	2	100 % grades
	Evaluation criteria	Activity during classes	Colloquium/oral exam		essay

monitoring and evaluating student work	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together	Level of knowledge (ability analysis, synthesis and evaluations) Structuredness and accuracy of answers Logical connecting the facts Mastery of professional terms and concepts Correlation with similar contents	Organization and structure of work Professionalism Terminology and overall vocabulary Linkage with clinical subjects References
	Points: min. – max.		0 - 10	0 - 10	0 - 10
	Minimum number of points - pass threshold.		5	5	5
	Total		0-30		
	Total grade	Pass threshold	Points range	Grade	
	15 points	26 - 30 23 - 25.99 19 - 22.99 15 - 18.99	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory)		
<p>Conditions for forming the final grade:</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquium 4. Get a positive assessment of the essay 5. Collect at least 50% points 					
The final exam was not taken.					

	<p>Final grade</p> <p>Forming the final grade: Based on the points achieved during classes. In the ECTS system, the grade is expressed in the following way:</p> <table border="1" data-bbox="550 526 1225 869"> <thead> <tr> <th data-bbox="550 526 815 645">% of acquired knowledge, skills and competencies</th> <th data-bbox="815 526 1061 645">Numerical grade</th> <th data-bbox="1061 526 1225 645">ECTS - grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="550 645 815 701">90 – 100 %</td> <td data-bbox="815 645 1061 701">5 (excellent)</td> <td data-bbox="1061 645 1225 701">A</td> </tr> <tr> <td data-bbox="550 701 815 757">80 – 89,9 %</td> <td data-bbox="815 701 1061 757">4 (very good)</td> <td data-bbox="1061 701 1225 757">B</td> </tr> <tr> <td data-bbox="550 757 815 813">65 – 79.9 %</td> <td data-bbox="815 757 1061 813">3 (good)</td> <td data-bbox="1061 757 1225 813">C</td> </tr> <tr> <td data-bbox="550 813 815 869">50 -64,9 %</td> <td data-bbox="815 813 1061 869">2 (satisfactory)</td> <td data-bbox="1061 813 1225 869">D</td> </tr> </tbody> </table>			% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade	90 – 100 %	5 (excellent)	A	80 – 89,9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64,9 %	2 (satisfactory)	D
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Compulsory literature	<p>Kalauz S. Zdravstvena njega kirurških bolesnika: Zagreb: Zdravstveno veleučilište, 2021. E-edition – Chapter: Transfusion blood</p>																	
Additional literature	<p>Šustić A. i sur. Priručnik iz anesteziologije, reanimatologije i intenzivne medicine za studente prediplomskih, diplomskih i stručnih studija, Medicinski fakultet Rijeka, Digital pont d.o.o.Rijeka, 2014.</p>																	
Number of copies in the library	<p>Title</p>	<p>Number of copies</p>	<p>Number of students</p>															
	<p>Kalauz S. Zdravstvena njega kirurških bolesnika: Zagreb: Zdravstveno veleučilište, 2021. E-edition – Chapter: Transfusion blood</p>	<p>12</p>	<p>60</p>															
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GENERAL INFORMATION		
Course title	DERMATOLOGY	
Course holder	PhD . Sanja Jakelić, MD, lecturer	
Study programme (undergraduate, graduate)	undergraduate study in nursing	
Course status	Obligatory	
Year of study	2	
Credit score and forms of teaching	ECTS credits	1
	Number of hours (Lectures+Exercises+Seminars)	L-15

COURSE DESCRIPTION		
Course objectives	To acquaint students with basic clinical conditions of the most common dermatological diseases to understand the pathophysiological foundations and symptomatology of the most common dermatological diseases and to apply the mentioned contents in the health care of dermatological patients	
Terms of course entry and required competencies	None	
Expected learning outcomes on the course level	1 - describe most often dermatological diseases and symptoms 2 - explain basic diagnostic and therapeutic procedures in dermatovenerology 3 - identify the nurse's role in recognizing and monitoring symptoms	
Course content	1. Most often dermatological diseases and their symptoms (Outcome 1) 2. Basic ways of diagnostics and treatment in dermatovenerology (Outcome 2) 3. Nursing role in health care for dermatological patient (Outcome 3)	
Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work	<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other

Comments																	
Students` obligations	Regularly and conscientiously attendance in all forms of classes																
Monitoring and evaluating student work	Activities	Outcomes	Hou rs	ECTS	Points min. – max.												
	Attendance	1 - 3	11	0.30	0												
	Activity during classes	1 - 3	9.5	0.25	0 Formative valuation												
	Total	1 - 3	20. 5	0.55	Formative valuation												
	The final exam not taken	1 - 3	9.5	0.45	100 % grades												
	Total	1 - 3	30	1	100 % grades												
	Evaluation criteria	The commitment of students, preparation for teaching units, knowledge of previous content and linkage of fact are monitores at the beginning of each class block, but without assessment. The grade is based on the final exam.															
Conditions for accession final the exam	1. Regularly attend classes																
	Final exam - criterion evaluations The final exam consists of a written exam. If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:																
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Methods of quality monitoring that ensure the acquisition of knowledge, skills and competencies	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>																	

GENERAL INFORMATION		
Course title	PUBLIC HEALTH	
Course holder	PhD . Željko Huljev, MD, lecturer	
Study programme (undergraduate, graduate)	undergraduate study in nursing	
Course status	Obligatory	
Year of study	2	
Credit score and forms of teaching	ECTS credits	3
	Number of hours (Lectures+Exercises+Seminars)	L-30, E-15

COURSE DESCRIPTION	
Course objectives	To acquaint students with public health terms and problems and train them to apply and analyze public health problems and independently assess the cause-and-effect factors that cause them. Efforts will also be made to train students for independent planning of nursing procedures and measures in the field of public health.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - explain basic terms from areas of public healthcare (health, healthcare system, health economy)</p> <p>2 - identify factors and risks that affect health into all groups of social communities</p> <p>3 - describe procedures in the prevention of health methods and social interventions in the field of social security, unemployment and health</p> <p>4 - explain relations between social need and social protection, co-protection and self-protection</p> <p>5 - to plan nursing procedures and measures in preventive medical and social and medical aspects at all levels of healthcare</p> <p>6 - estimate effects of nursing procedures and measure in the preventive medical and social medical aspect</p>
Course content	<ol style="list-style-type: none"> 1. Defining health and system of health protection in terms of health economy (Outcome 1) 2. Risk factors affecting health in all groups of the social community (Outcome 2) 3. Improvement and promotion of health and social interventions in areas of social security, unemployment and health (Outcome 3) 4. Health needs and health requirements and relations between social need and social protection, co-protection and self-protection (Outcome 4) 5. Role of nurses (procedures and measures) in preventive medical and social medical areas on all levels of health protection (Outcome 5)

Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input checked="" type="checkbox"/> fieldwork		<input checked="" type="checkbox"/> independent tasks <input checked="" type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
	Comments				
Students' obligations		Regularly and conscientiously attendance in all forms of classes			
	Activities	Outcomes	Hours	ECTS	Points min. – max.
	Attendance	1 - 6	34	1.15	0
	Activity during classes	1 - 6	7	0.24	0 - 10
	Colloquium l/written	1 - 6	12	0.40	0 - 10
	Colloquium/exercises	1 - 6	9	0.30	0 - 20
	Total	1 - 6	62	2.09	0 – 40 (50 % grades)
	Final exam written	1 - 6	28	0.91	50 % grades
	Total	1 - 6	90	3	100 % grades
	Evaluation criteria	Activity during classes		Colloquium/written	Colloquium/exer cises

Monitoring and evaluating student work	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together	A knowledge test offers 4 answers, of which only 1 is correct. The test contains 20 questions, each with a correct answer value of 1 point. Score range and link to grade determined by course holder	Collecting the necessary data Making of plan Projection evaluations – measurement of outcomes
	Points: min. – max.		0-10	0-10	0-20
	Minimum number of points - pass threshold		5	5	10
	Total		0-40		
	Total grade	Pass threshold	Points range	Grade	
	20 points	35 - 40 30 - 34.99 26 - 29.99 24 - 25.99 20 - 23.99	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory) 2 (satisfactory)		
Conditions for accession final the exam					
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquia 4. Get a positive assessment from production plan prevention diseases 5. Collect at least 50% points 					
Final exam - criterion evaluations					
<p>The final exam consists of written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p>					

		% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade															
		90 – 100 %	5 (excellent)	A															
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Compulsory literature	<ol style="list-style-type: none"> . Kolčić I, Vorko Jović A. Epidemiologija. Medicinska naklada, 2012. . Puntarić D, Ropac D, i sur. Higijena i epidemiologija. Zagreb: Medicinska naklada, 2016. 																		
Additional literature	<ol style="list-style-type: none"> Vorko-Jović A, Strnad M, Rudan I, i sur. Epidemiologija kroničnih nezaraznih bolesti, Zagreb, Medicinska naklada, 2010. 																		
Number of copies in the library	Title	Number of copies	Number of students																
	1. Kolčić I, Vorko Jović A. Epidemiologija. Medicinska naklada, 2012.	12	60																
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Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>																		

GENERAL INFORMATION		
Course title	NEUROLOGY	
Course holder	PhD . Anka Aleksić Shihabi, MD, lecturer	
Study programme (undergraduate, graduate)	undergraduate study in nursing	
Course status	Obligatory	
Year of study	2	
Credit score and forms of teaching	ECTS credits	1
	Number of hours (Lectures+Exercises+Seminars)	P-15

COURSE DESCRIPTION	
Course objectives	The main goal of the course is to adopt the nature of origin, recognition, diagnosis, treatment and possible consequences of neurological diseases and conditions and the role and importance of nurses and technicians in raising the efficiency and quality of successful treatment.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - apply knowledge of modern management in the successful prevention and treatment of neurological diseases, conditions and their consequences</p> <p>2 - recognize leading neurological disorders, their consequences and ways of rehabilitation</p> <p>3 - list the methods of prevention of neurological diseases, conditions and disorders</p> <p>4 - describe emergency neurological conditions and their care</p>
Course content	<ol style="list-style-type: none"> 1. Causes of neurological diseases, vital habits and risk factors, diagnostics of neurological diseases, disorders and conditions and diagnostic equipment and techniques. Treatment of neurological diseases and conditions (Outcome 1) 2. Leading neurological shuffles, consequences and rehabilitation (Outcome 2) 3. Methods of prevention of neurological diseases, conditions and disorders (Outcome 3) 4. Emergency conditions in neurology and ways to care for the patient (Outcome 4)

Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
	Comments				
Students' obligations		Regularly and conscientiously attendance in all forms of classes			
Monitoring and evaluating student work	Activities	Outcomes	Hours	ECTS	Points min. – max.
	Attendance	1 - 4	11	0.30	0
	Activity during classes	1 - 4	9.5	0.25	0 Formative evaluation
	Total	1 - 4	20.5	0.55	Formative valuation
	Final exam written	1 - 4	9.5	0.45	100 % grades
	Total	1 - 4	30	1	100 % grades
	Evaluation criteria	The commitment of students, preparation for teaching units, knowledge of previous content and linkage of facts are monitored at the beginning of each class block, but without assessment. The grade is formed on the final exam.			
Conditions for accession final the exam		1. Regularly attend classes			

Final exam - criterion evaluations

The final exam consists of a written exam.

If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:

% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade
90 – 100 %	5 (excellent)	A
80 – 89,9 %	4 (very good)	B
65 – 79.9 %	3 (good)	C
50 -64,9 %	2 (satisfactory)	D

Final grade

Forming the final grade: Based on the points achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%). In the ECTS system, the grade is expressed in the following way:

% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade
90 – 100 %	5 (excellent)	A
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Compulsory literature

1. Brinar, V. i sur. Neurologija. Zagreb: Medicinska naklada; 2019.

Additional literature

1. Bučuk M i Tuškan – Mohar L. Neurologija za stručne studije. Medicinski fakultet Rijeka; 2012.
2. Demarin V i Trkanjec Z. Neurologija, Medicinska naklada, Zagreb; 2008.

Number of copies in the library

Title	Number of copies	Number of students
Brinar, V. i sur. Neurologija. Zagreb: Medicinska naklada; 2019.	12	60

Methods of quality monitoring that ensure the acquisition of knowledge, skills and competencies

Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.

Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.

GENERAL INFORMATION		
Course title	ORGANIZATION, MANAGEMENT AND ADMINISTRATION IN HEALTH CARE	
Course holder	Vesna Bušac, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Mandatory	
Year of study	2.	
Credit score and forms of teaching	ECTS credits	4
	Number hours (LECTURES+EXERCISES+SEMINARS)	L-30, E-70, S-15

COURSE DESCRIPTION	
Course objectives	To acquaint student with basics of organization, management and administration in healthcare area, which should enable students to understand the processes in the field of organization, management and administration, and adopted skills improvement and advancement in excellence of nursing practices.
Terms of course entry and required competence	none
Expected outcomes on the course level	<p>O1 - explain management theories, management processes, concepts of organizational culture, organizational structure, organizational principles and concepts, organization of work organization according to leadership concepts, specifics of strategic and operational management and levels and ways of communication in organizations</p> <p>O 2 - describe skills of organizations and management in nursing practice, ways of management on different management levels, how to manage time: apply the principles of time management in nursing practice, change management principles and methods of decision-making in nursing practice</p> <p>O 3 - explain styles and models of management of human potentials, different models of organization of work in the health care process; way of delegating tasks and supervisory process in nursing practice</p> <p>O 4 - describe the functioning of the technical and structural support system and their application in nursing practice, patient categorization in nursing practice: organization of work of nurses in relation to the needs of patients, calculation of the required number of medical nurses in relationship to the needs of patients through direct and indirect healthcare;</p> <p>O 5- apply the principles of teamwork: team building, interdisciplinary and multidisciplinary access to health care and the principles of quality and risk management in health care</p> <p>O 6 - demonstrate key styles of people management, scheduling and number in planning medical nurses through categorization of patients, ways of management quality and risk prevention in health care, ways of managing time in relation to Lewin's scheme of change management</p>

Course content	<ol style="list-style-type: none"> 1. Theories of management and organization of work. Organizational culture in health organizations, organizational structure, organizational principles and concepts, organization of health organizations according to leadership concepts. Specificities of strategic and operational management. Communication in the work organization (Outcome 1) 2. Strategic and operational management, organization and administration in nursing practice. Organization and management skills in nursing practice, management style on different management levels, time management: principles of time management in nursing practice, principles of management changes and ways of decision making in the nursing practice (Outcome 2) 3. Styles and models of human resources management, work organization model in process of health care/structural systems of support; ways of delegating tasks and supervisory processes in nursing practice (Outcome 3) 4. Systems of technical and structural support and their application in nursing practice, categorization of patients in nursing practice – the number of nurses and their organization of work in relationship to needs/categories of the patient (calculating necessary number of nurses in relationship to the patient's needs through direct/indirect healthcare care) (Outcome 4) 5. Principles of teamwork: team building, interdisciplinary and multidisciplinary approach in health care, fundamental principles of quality and risk management in healthcare (quality standards, SOP, quality indicators in healthcare, Demings procedural lap of quality, models of risk management in health care, administrative procedures when reporting unwanted events at working place (Outcome 5) 6. Training skill - key styles of staff management, planning schedule and number of staff through categorization of patients, quality and prevention risks management in health care, time management in relationship to the computer, application of the Lewins schemes of changes management in practice (Outcome 6) 				
Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> education on the distance <input type="checkbox"/> field teaching		<input checked="" type="checkbox"/> independent assignments <input checked="" type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
Comments	-				
Obligations students	Regularly and conscientiously attendance of all forms of classes				
Monitoring and valuation of work	Activities	Outcomes	Number hours	ECTS	Points min. – max.

students				
Attendance classes	1 - 6	86	2.9	0
Activities in class	1 - 6	6	0.20	0 - 20
Seminar/writing i exposure	1 - 6	5	0.15	0 - 10
Colloquium/oral	1 - 6	6	0.20	0 - 20
In total	1 - 6	103	3.45	0 – 50 (50% grades)
Closing exam/written	1 - 6	17	0.55	50% grades
In total	1 - 6	120	4	100 % grades
Criteria Grade	Activities in class	Colloquium/oral		Seminar/writing i exposure
Description	Preparing for educational units Understanding previous content Participation in common solving tasks Actively participation in organization analysis and management on clinical departments	Level of knowledge (ability to analyze, synthesis and evaluate) Structuredness and accuracy of answers Logical connection of fact Mastery of terminology and concepts Correlation with related contents	Organization/structure of work Vocabulary and grammar Expertise and professional terminology Style of writing Citation and citing references Presentation/multimedia	
Points: min. – max.	0 - 20	0 - 20		0 - 10
Minimum number points - threshold	10	10		5
Total	0 - 50			
Total Grade	Prague transience	Span points	Grade	
	25 points	45 – 50 38 - 44.9	5 (excellent) 4 (very good)	

		32 - 37.9	3 (good)															
		25 - 31.9	2 (satisfactory)															
Conditions for accession final exam																		
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes 3. Passe colloquium 4. Positive grade from seminar work 5. Collect at least 50% points 																		
Final grade																		
Closing exam are consists of: written exam.																		
If the student answered less than 50% of the questions correctly, it will be considered that he/she did not you passed the final exam. A student who correctly answered more than 50% of the questionshe passed the final exam you will win assessment to the next one way:																		
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Formation of the Final grade according to the Rulebook on studying is the sum of the percentages of the passedknowledge, skills and competences achieved during classes and percentages achieved at the final exam. (lesson 50 % + final exam 50%)																		
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Additional literature	1. Baračkai, Z. Dileme donositelja poslovnih odluka. Zagreb: Sinergija d.o.o., Zagreb,2010. 2.Marquis BL, Houston CJ. Leadership Roles and Management Functions in Nursing:Theory and Application (9 th ed.). North American Edition; in 2017		
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GENERAL INFORMATION		
Course title	PEDIATRICS	
Course holder	PhD . Irena Bralić, MD, lecturer	
Study programme (undergraduate, graduate)	undergraduate study in nursing	
Course status	Obligatory	
Year of study	2	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-30

COURSE DESCRIPTION	
Course objectives	To acquaint students with fundamental knowledge from areas of general paediatrics, with peculiarities of children's immune system and the most significant diseases and disorders in children.
Terms of course entry and required competencies	None
Expected learning outcomes on the course level	<p>1 - explain fundamental principles from areas of paediatric measures which are undertaken in protecting the health of mothers and children</p> <p>2 - explain the psycho-motor development of a child</p> <p>3 - state the most often diseases and injuries in children's age, diagnostic and ways of treatment</p> <p>4 - state specific genetic diseases of children, chromosomal anomalies, pathological conditions after childbirth and malformations of organ systems and their antenatal and postnatal diagnosis</p> <p>5 - explain specific reanimation procedure of children and principles of intensive treatment</p>
Course content	<ol style="list-style-type: none"> 1. Fundamental principles of protection of mothers and children and vital statistical data important for Croatia (Outcome 1) 2. Psycho-motor development of a child (Outcome 2) 3. Most often diseases and injuries in children's age, diagnostic searches and ways of treatment: 4. accidents in children, and craniocerebral injuries, polytrauma (Outcome 3) 5. diseases of gastrointestinal tract, diet and disorders diet (Outcome 3) 6. anomalies and infections of urinary system in children, (Outcome 3) 7. infections of respiratory system in children (Outcome 3) 8. diseases of pituitary gland, thyroid and parathyroids (Outcome 3) 9. neurological diseases in children, convulsive syndrome and epilepsy, neurocutaneous syndromes, brain tumours, neuromuscular diseases and hereditary CNS diseases, perinatal brain damage - children's cerebral

	<p>palsy (Outcome 3)</p> <p>10. diseases of metabolism Ca and P, rachitis, diabetes, diabetes insipidus (Outcome 3)</p> <p>11. diseases of bony system in children, rheumatic diseases in children (Outcome 3)</p> <p>12. development and peculiarities of haematological system in children, diseases of haematological system (Outcome 3)</p> <p>13. growth disorders (Outcome 3)</p> <p>14. peculiarities of immunological system in children, immunodeficiency (Outcome 3)</p> <p>15. fever - importance and procedures (Outcome 3)</p> <p>16. heart diseases in children's age, syndrome of cardiovascular failure, pericarditis, myocarditis, endocarditis (Outcome 3)</p> <p>17. syndrome of sudden infant death (Outcome 3)</p> <p>18. ADHD (attention deficit hyperactive disorders) (Outcome 3)</p> <p>19. Diseases of liver, bile and pancreas (Outcome 3)</p> <p>20. Specific genetic diseases of children, pathological conditions after birth, congenital malformations of organ systems, antenatal and postnatal diagnosis of hereditary diseases, congenital and acquired cardiac mistakes, monogenetic and polygenetic hereditary diseases, chromosomal anomalies and prenatally damaged fetus, developmental anomalies of the brain and skull, etc. (Outcome 4)</p> <p>21. Specific reanimation procedure of children and principles of intense treatment (Outcome 5)</p>				
Types of teaching	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
Comments					
Students' obligations	Regularly and conscientiously attendance in all forms of classes				
	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 5	22	0.7	0 - 0
	Activity during classes	1 - 5	9	0.30	0 - 10
	Colloquium 1/written	1 - 5	10	0.35	0 - 20
	Total	1 - 5	41	1.35	0 – 30 (50 % exam)

Monitoring and evaluating student work	Final exam written		1 - 5	19	0.65	50 % of the exam
	Total		1 - 5	60	2	100%
	Evaluation criteria	Activity during classes		Colloquium/oral exam		
	Description	Preparation for teaching units Understanding previous content Participation in solving tasks together		Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content		
	Points: min. – max.	0-10		0-20		
	Minimum number of points - pass threshold	5		10		
	Total		0-30			
	Total grade	Pass threshold	Points range	Grade		
		15 points	26 - 30 23 - 25.99 19 - 22.99 17 - 18.99 15 - 16.99	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory) 2 (satisfactory)		

	Conditions for accession final the exam																
	<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquia 4. Collect at least 50% points 																
	Final exam - criterion evaluations																
	<p>The final exam consists of a written exam. If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:</p> <table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical grade</th> <th>ECTS - grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89,9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64,9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> </tbody> </table>			% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade	90 – 100 %	5 (excellent)	A	80 – 89,9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64,9 %	2 (satisfactory)
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Compulsory literature	1. Mardešić D, i sur. Pedijatrija. Zagreb: Školska knjiga; 2016..																
Additional literature	1. Kliegman RM. Nelson Textbook of Pediatrics. 21st. ed. Philadelphia (PA): W.B. Saunders company; 2019.																
Number of copies in the library	Title	Number of copies	Number of students														

	1. Mardešić D, i sur. Pedijatrija. Zagreb: Školska knjiga; 2016.	12	60
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competencies	Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal evaluation of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.		

GENERAL INFORMATION		
Course title	NURSING CARE OF A CHILD	
Course holder	Nevena Šimunic, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate nursing study	
Course status	Obligatory	
Year of study	2.	
Credit score and forms of teaching	ECTS credits	7
	Number of hours (Lectures+Exercises+Seminars)	L-40 E-150 S-10

COURSE DESCRIPTION	
Course objectives	Acquisition of general and specific knowledge, skills and competences in modern nursing care for healthy and sick children into all segment of health care including physical, psychosocial, spiritual and cultural factors that can affect the child's health/illness.
Terms of course entry and required competences	None.
Expected learning outcomes on the course level	<p>1 - estimate health, educational and supportive needs of a child and parents/caregivers for the purpose of maintaining physical and mental health as well as disease prevention</p> <p>2 - apply principles of security of a child in the hospital and therapeutic communications in nurse-child parent/caregiver relationships</p> <p>3 - apply procedures and complete individualized health care of a child</p> <p>4 - demonstrate different ways of preparations and applications of medicines of a child and activities in case of accompanying phenomena</p> <p>5 – demonstrate procedures in emergency conditions in pediatrics and health care of a vitally endangered child in the ICU</p> <p>6 - demonstrate assessment of pain intensity and ways of treatment of pain with children, in the terminal phase of the disease</p>
Course content	<ol style="list-style-type: none"> Basics of child health care, health, educational and support needs of children and parents/caregivers for the purpose of maintaining physical and mental health as well as disease prevention. Stages in the child's psychomotor development, difficulties in growth and development, parenting styles and their influence on the child's growth and development (periods in childhood, peculiarities of the child's organism, psychomotor development of the child, assessment of growth and development, development of emotions in the child, development of attachment, development of self-esteem, the role of parents in the child's psycho-physical development) (Outcome 1) Principles of safety culture and therapeutic communication in nurse-child-

	<p>parent/caregiver relationships (child hospitalization, child safety in hospital, injury prevention, procedures for suspected child abuse) (Outcome 2)</p> <p>3. The process of health care for a child with acute and chronic diseases, various types (analysis of the child's needs, data collection, diagnosis, planning of health care, setting of goals, implementation of interventions, evaluation of outcomes, management of nursing documentation, preparation of the child for diagnostic and therapeutic procedures and the role of the nurse when performing diagnostic or therapeutic procedures (Outcome 3)</p> <p>4. Methods of preparation and administration of medicines in children and side effects of medicines (Outcome 4)</p> <p>5. Emergencies in pediatrics, resuscitation procedures and health care for a vitally endangered child in ICU (Outcome 5)</p> <p>6. Assessment of pain in a child and methods of pain treatment (scales for assessment of pain intensity, psychological methods of pain control, pharmacological methods of pain control/side effects, health care of a child in the terminal phase of the disease (Outcome 6)</p>
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Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work	<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other

Comments	
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Students' obligations	Regularly and conscientiously attendance in all forms of classes
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Activities	Outcomes	Hours	ECTS	Points min. – max.
Attendance	1-6	150	5	0
Activity during classes	1-6	15	0.5	0-30
Seminar/preparation and presentation/oral	1-6	6	0.20	0-10
Colloquium/written	1-6	9	0.30	0-20
Total	1-6	180	6	0-60 (50% exam)
Final exam/written	1-6	30	1	50% of the exam
Total	1-6	210	7	100% of the exam

Monitoring and evaluating student work	Grade criteria		Activity during classes	Colloquium/written exam	Seminar/preparation and presentation	
	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together	A knowledge test offers 4 answers, of which only 1 is correct. The test contains 40 questions, each with a correct answer are values with 0.5 points. The range of points and the link with the grade is determined by the course holder	Organization/structure of work Vocabulary and grammar Expertise and professional terminology Writing style Citation and citing of references Presentation/multimedia	
	Points: min. – max.		0-30	0-20	0-10	
	Minimum number of points - pass threshold		15	10	5	
	Total		0-60			
	Total grade	Pass threshold	Points range	Grade		
	30 points	54- 60 48 – 53.99 42 – 47.99 30 – 41.99	5 (excellent) 4 (very good) 3 (good) 2 (satisfactory)			
Conditions for forming the final gradee: 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquium 4. Adopt all foreseen exercises during clinical exercises 5. Positive grade from seminar work 6. Collect at least 50% points						

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Compulsory literature																				
Additional literature	<p>Leifer MR, Keenan-Lindsay L. Introduction in Maternity and Pediatric Nursing, Elsevier Health Sciences, 2019.</p> <p>Linnard-Palmer L, Hail Coats Mr. Safe Maternity & Pediatric Nursing Tsar, FA Davis; 2017.</p>																			
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	Mardešić D, i sur. Pedijatrija, Zagreb: Školska knjiga, 2016.	1 2	6 0																	

Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences

Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.

Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.

GENERAL INFORMATION

Course title	NURSING CARE OF ADULTS I/II	
Course holder	Ana Žepina Puzić, MSN, lecturer Nikolina Visnjić Junaković, MSN, lecturer	
Study programme-undergraduate	Undergraduate Professional Study Nursing	
Course status	Obligatory	
Year of study	2.	
Credit score and forms of teaching	ECTS credits	4
	Hours (Lectures+ Exercises+ Seminars)	L-15, E-95, S- 10

COURSE DESCRIPTION

Course objectives	To acquaint students with the basic principles and skills of health care for patients with internal, infectious, and neurological diseases. Acquired and adopted knowledge and skills should enable understanding of basic principles of health care, and application of basic skills in nursing practice.
Terms of course entry and required competences	There are no conditions for enrolment, but passing subject is possible exclusively after successfully passing the course Adult Health Care I/I.
Expected learning outcomes on course level	Continuation – NURSING CARE OF ADULTS I/I 1 - implement planned health care for patients with diseases of various organ systems/Part II 2 - explain the role of the nurse when performing diagnostic and therapeutic procedures 3 - apply basic resuscitation procedures for conservation of life (BLS)
Course content	<ol style="list-style-type: none"> 1. Enforcement of planned health care for patients with diseases of different organic systems (Outcome 1) <ol style="list-style-type: none"> a. Specifics in assessments of conditions of infectious diseases with patient, patient isolation (Outcome 1) b. healthcare of patients with bacterial contagious diseases (intestinal infectious diseases, meningitis, tetanus) (Outcome 1) c. healthcare of people with viral contagious diseases (meningitis, hepatitis A, B, C, D, HIV infection) (Outcome 1) d. healthcare of people with parasitic diseases (amoebiasis, trichinosis) (Outcome 1) e. healthcare of neurological disorders and neurological diseases (cerebral circulation diseases, neuromuscular diseases, epilepsy) with a special focus on pain therapy (Outcome 1) f. healthcare of patients with disorders of consciousness (Outcome 1) 2. The nurse's role in performing diagnostic and therapeutic procedures (patient preparation, material preparation, specific procedures) - lumbar puncture, angiography, myelography EPIC, EEG, coronary angiography, catheterization from the heart, thoracic puncture/drainage, biopsies...) (Outcome 2) 3. Basic reanimation procedures for conservation of life (BLS/Basic Life Support) (Outcome 3)

Types teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other		
	Comments	-			
Students' obligations	Regularly and conscientiously attendance of all types of classes				
Monitoring and evaluating student work	Activities	Outcomes	Hou rs	ECTS	Points min. – max.
	Attendance	1 - 3	90	3	0
	Activities in classes and seminars work in group	1 - 3	7.5	0.25	0 - 20
	Colloquium/written	1 - 3	7.5	0.25	0 - 20
	Activity during classes Total	1 - 3	105	3.5	0 – 40 (50 % grades)
	Closing exam/written	1 - 3	15	0.5	50 % grades
	Activity during classes Total	1 – 3	120	4	100%
	Evaluation criteria	Activity during classes and seminar work in the group		Colloquium/written	
Description	Preparation for teaching units Understanding previous content Participation in solving tasks together Processing of professional papers on the topic of internist care patients and new		A knowledge test offers 4 answers, of which only 1 is correct. The test contains 20 questions, each with a correct answer value with 1 point. The range of points and the link with the grade is determined by the course holder		

		technique in disease diagnosis - preparation of works and discussion		
Points: min. - max.		0 - 20	0 - 20	
Minimal number of points - passing threshold		10	10	
Activity during classes Total points	0 - 40			
Total grade	Pass treshold	Points range	Grade	
	20 points	35 - 40	5 (excellent)	
		30 - 34.99	4 (very good)	
		26 - 29.99	3 (good)	
		24 - 25.99	2 (satisfactory)	
20 - 23.99				
Conditions for accession final the exam				
<ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquium 4. Adopt clinical exercises - 100% 5. Collect at least 50% points 				
CLINICAL EXERCISES				
Students cannot access practice if they have not passed colloquium and received a positive grade from the work in the seminar group.				
Exercises/activities and interventions which are foreseen in Booklets for tracking and Grade of clinical exercises and clinical practices are not evaluated.				
Success in performance exercises is described as:				
<ul style="list-style-type: none"> • Exercise is adopted • Exercise it is not adopted 				
Student can access the final exam must if they have adopted 100 % of planned interventions and activities				
Closing exam – grade criterion				

	Closing exam consists of: written exam.																				
	If the student answered less than 50% of the questions correctly, it will be considered that he/she did not pass and failed the final exam. A student who answered more than 50% of the questions correctly passed the final exam and will receive a grade as follows:																				
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	<p>Final Grade</p> <p>The formation of the final grade according to the Rulebook on studying is the sum of the percentages of acquired knowledge, skills and competences achieved during classes and the percentages achieved on the final exam. (classes 50% + final exam 50%)</p> <table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical grade</th> <th>ECTS - Grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89.9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64.9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>			% of acquired knowledge, skills and competencies	Numerical grade	ECTS - Grade	90 – 100 %	5 (excellent)	A	80 – 89.9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64.9 %	2 (satisfactory)	D			
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Compulsory literature	<ol style="list-style-type: none"> 1. Franković S., i sur. Zdravstvena njega odraslih- priručnik za studij sestrinstva. Zagreb: Medicinska naklada, 2010. 2. Včev A, Mirat J, Mihić D. Interna medicina. Osijek – Sveučilište u Osijeku. Naklada Ljevak; 2021 3. Brinar, V. i sur. Neurologija. Zagreb: Medicinska naklada; 2019. 4. Kuzman I. Infektologija za viskoke zdravstvene škole, Medicinska naklada, Zagreb, 2012. 																				
Additional literature	1. Teaching texts																				
The number of copies is Compulsory literature	Title	Number of copies	Number of students																		

per number of students attending the course	1. Včev A, Mirat J, Mihić D. Interna medicina. Osijek – Sveučilište u Osijeku. Naklada Ljevak; 2021	12	60
	2. Brinar, V. i sur. Neurologija. Zagreb: Medicinska naklada; 2019.	12	60
	3. Kuzman I. Infektologija za visoke zdravstvene škole, Medicinska naklada, Zagreb, 2012.	12	60
Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature. Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.		

GENERAL INFORMATION

Course title	CLINICAL PRACTICE IN HEALTH CARE II	
Course holder	Vesna Bušac, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Obligatory	
Year	2.	
Credit score and forms of teaching	ECTS credits	4
	Number hours (LECTURES+EXERCISES+SEMINARS)	V-120

COURSE DESCRIPTION

Course objectives	To train the student to implement practical skills in health care of patients at neurological, internal medicine and paediatric departments, which they acquired during clinical exercises from the course health care.
Terms of course entry and required competence	There are no conditions for enrolling in the course, but taking the course is possible only after successfully passing course Clinical health exercises care I.
Expected outcomes on the course level	<ul style="list-style-type: none">O 1 – perform reception and release of internal, infectious, neurological and paediatrics patients (within framework of nursing competence)O 2 – prepare the patient for general and specific therapeutic and diagnostic procedures (neurological, internal, infectious patients)O 3 – plan healthcare of internal, infectious, and neurological patientsO 4 – carry out planned healthcare of internal, infectious, and neurological patientsO 5 – plan healthcare care in paediatricsO 6 – carry out planned healthcare care in paediatrics

Course content	<ol style="list-style-type: none"> 1. Reception and release of internal, infectious, neurological and pediatric patients (within framework of nursing competence) (Outcome 1) 2. Planning health care of internal, infectious diseases and neurological patients with regard to their specificities in meeting basic human needs (Outcome 2) 3. General and specific procedures in neurological, infectious and internal medicine patients (ECG, EEG, abdominal tracer, pleural tracer, lumbar tracer gastroscopy, colonoscopy and other) (Outcome 3) 4. Specific nursing interventions in internal medicine, infectious diseases and neurology patients (introduction of nasogastric probes, application of infusion solution through infusion pumps, preparation for application of transfusion blood and of blood preparations, aspiration secretions from mouth and respiratory roads, special techniques of feeding patient, taking microbiological samples, taking care of the patient in sterile units, 	
	<p>application of cytostatic therapy and measures of protection of patients and self-protection and other interventions – (Outcome 4)</p> <ol style="list-style-type: none"> 5. Production of pediatric health plan (Outcome 5) 6. Enforcement of planned pediatric health plan -assessment of psychomotor growth and development of the child using all methods, scales and techniques, child restraint techniques for certain medical-technical procedures, PPD test, maintenance of hygiene, skin care, prevention of diseases, nutrition/artificial or maternal milk, lips cavities care, taking samples of blood, urine and other excretion for laboratory analysis; health care of premature infants - maintenance of hygiene, care skin, prevention of rashes, nutrition/artificial or mother's milk, lips cavities care, taking samples of blood, urine and other secretions for laboratory analysis and other necessary interventions; specifics of child health care in the unit for intensive treatment ICU– skin and mucosa care, hemodynamically monitoring, nutrition/enteral or parenteral, fluid balance monitoring, drainage monitoring system, mechanical fan – tracking parameters, aspiration content from mouth and endotracheal tube, nasogastric probes (Outcome 6) 	
Types performance classes	<input type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input checked="" type="checkbox"/> practical work <input type="checkbox"/> education on the distance <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other
Comments	-	
Obligations students	Regularly and conscientiously attendance of all forms of classes	

Monitoring and evaluation of workstudents	Activities	Outcomes	Number hours	ECTS	Points min. – max.
	Attending classes - clinical exercises	1 - 6	90	3	0
	Activities in class	1 - 6	18	0.60	0 - 20
	Professional behavior	1 - 6	12	0.40	0 - 20
	In total	1 - 6	120	4	0 - 40 (100%)
	Final grade	1 - 6	120	4	100%
	Criteria	Activities in class	Professional		
Grade		behavior			

	Description		<ul style="list-style-type: none"> - preparation for clinical exercises/practice - theoretical knowledge - planning health care - production of individual plan - adoption and connection of adopted clinical exercises/activities intervention and their application on hospital/clinic departments - motivation and interest - communication with the patient, family members and colleagues - respect and protection of patient's autonomy and integrity - protection of patient's interests 	<ul style="list-style-type: none"> - arrival and departure from workplace in exactly scheduled specified time - compliance with recommendations of the Ethical codex of nurse /Croatian chamber of nurses - adherence to regulations related to protective clothing and footwear/professional clothing and footwear with identification card (ID). - respect for internal organizational culture of health organizations in which the student performs clinical practice 	
	Points: min. – max.		0 - 20	0 - 20	
	Minimum number points - threshold transience		10	10	
	Total		0 - 40		
	Total Grade	Prague transience	Span points	Grade	
20 points		35 - 40 30 - 34.99	5 (excellent) 4 (very good)		

		26 - 29.99	3 (good)	
		24 - 25.99	2 (satisfactorily)	
		20 - 23.99	2 (satisfactory)	
Final grade				
Final grade represents attainment student (number points and Grade) during clinical exercises. It is evaluated transmits in ECTS rustling on following way:				
		% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade
		90 – 100 %	5 (excellent)	A
		80 – 89,9 %	4 (very good)	B
		65 – 79.9 %	3 (good)	C
		50 -64,9 %	2 (satisfactory)	D
Compulsory literature	<ol style="list-style-type: none"> 1. Čukljek S. Osnove zdravstvene njege. Zagreb: Zdravstveno veleučilište.2005. 2. Fučkar G. Proces zdravstvene njege. Medicinski fakultet Sveučilišta u Zagrebu. Zagreb 1992. 3. Šepec S. i suradnici, Standardizirani postupci u zdravstvenoj njezi , HKMS, Zagreb, 2010. 4. Franković S, i sur. Zdravstvena njega odraslih – priručnik za studij sestринства. Zagreb: Medicinska naklada, 2010. 5. Morović-Vergles J, i sur. Interna medicina- odabrana poglavlja. Zagreb: Slap i Zdravstveno veleučilište, 2008. 6. Vrhovac, B. i sur. Interna medicina. Zagreb: Naklada Ljevak, 2008. (odabrana poglavlja) 7. Barišić N. Pedijatrijska nurologija. Zagreb. Medicinska naklada, 2009. 8. Kolaček S, Hojsak I, Niseteo T. Prehrana u općoj i kliničkoj pedijatriji. Zagreb: Medicinska naklada, 2016. 9. Tudor A, Šestan B. Dječja ortopedija. Zagreb: Medicinska naklada, 2012. 10. Malčić I, Jelušić M. Pedijatrijska reumatologija. Zagreb: Medicinska naklada, 2014. 			
	Additional literature	1. Burton M. at all. Fundamentals of Nursing Emperor: concepts, Connections & Skills ThirdEdition FA Davis Company, 2018		
Number of copies Compulsory literature by number of students who attend case	Title	Number of copies	Number of students	
	1. Čukljek S. Osnove zdravstvene njege. Zagreb: Zdravstveno veleučilište.2005.	12	60	
	3. Šepec S. i suradnici, Standardizirani postupci u zdravstvenoj njezi, HKMS, Zagreb, 2010.			

	4. Franković S, i sur. Zdravstvena njega odraslih – priručnik za studij sestrinstva. Zagreb: Medicinska naklada, 2010.	12	60
	5. Morović-Vergles J, i sur. Interna medicina- odabrana poglavlja. Zagreb: Slap i Zdravstveno veleučilište, 2008.	12	60
	6. Vrhovac, B. i sur. Interna medicina. Zagreb: Naklada Ljevak, 2008. (odabrana poglavlja)	12	60
	7. Barišić N. Pedijatrijska neurologija. Zagreb. Medicinska naklada, 2009.	12	60
	8. Kolaček S, Hojsak I, Niseteo T. Prehrana u općoj i kliničkoj pedijatriji. Zagreb: Medicinska naklada, 2016.	12	60
	9. Tudor A, Šestan B. Dječja ortopedija. Zagreb: Medicinska naklada, 2012.	12	60
	10. Malčić I, Jelušić M. Pedijatrijska reumatologija. Zagreb: Medicinska naklada, 2014.	12	60
Tracking methods qualities which ensure acquisition of outgoing knowledge, skills and competence	<p>Control quality of work students and acquisitions necessary knowledge and skill insured will be through interactive work. By keeping records on the attendance and activities of students in classes and the information obtained about the students' progress through colloquiums will provide information necessary for further instructions to students in order to increase the efficiency of their work. Students will be sent in their own rights and obligations and work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data s HZZZ -and on yearly condition of employment students, surveys the employer and associations Alumni and the others.</p>		

GENERAL INFORMATION

Course title	ENGLISH LANGUAGE II	
Course holder	PhD Ivana Kardum Goles, college prof.	
Study program (undergraduate, graduate)	Professional undergraduate study in Nursing	
Course status	Optional	
Year	2.	
Credit score and forms of teaching	ECTS credits	2
	Number hours (LECTURES+EXERCISES+SEMINARS)	P-30

COURSE DESCRIPTION

Course objectives	To acquaint students with more advanced English language in profession/professional terminology.	
Terms of course entry and required competence	There are no conditions for enrolling in the course, but taking the course is possible only after successfully passing the subject English language I.	
Expected outcomes on the course level	1 - translates content into Croatian language with aspects of more advanced familiarity with profession 2 - analyzes content with aspects of English language grammar 3 - applies more advanced English for specific purposes in oral and written communication, 4 - discusses on current topics in profession English language with little or not at all errors (more complex topics)	
Course content	1. Translations of content in relations to more advanced language for specific purposes (Outcome 1) 2. Grammatical analysis of more advanced content/ language for specific purposes (Outcome 2) 3. More advanced English for specific purposes in oral and written communication (Exod 3) 4. Actual topics from areas of health care – discussion in English language (more complex contents) (Outcome 4)	
Types performance classes	<input checked="" type="checkbox"/> lectures <input type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> education on the distance <input type="checkbox"/> field teaching	<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia and net <input type="checkbox"/> laboratory <input type="checkbox"/> mentoring work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input checked="" type="checkbox"/> other: work in group/linguistic workshop

Monitoring and evaluation of student work	Activities	Outcomes	Number hours	ECTS	Points min. – max.
	Attendance lectures	1 - 4	22	0.70	0
	Activities in continue/work in group/linguistic workshop	1 – 4	10	0.35	0 - 20
	Colloquium/oral	1 – 4	9	0.30	0 - 20
	In total	1 – 4	41	1.35	0 – 40 (50% grades)
	Closing exam/written	1 – 4	19	0.65	50%
	In total		60	2	100%
	Criteria Grade	Activity during classes/language workshop	Colloquium/oral		
Description	<p>Knowing previous content</p> <p>Preparation for thematic lessons units/ finding and</p> <p>Analysis of different And more complex content in English language/articles, news, news from nursing practices</p> <p>Active participation in linguistic workshops</p> <p>Complexity of communication within groups</p>	<p>Level of knowledge (translation, grammar, vocabulary, sentence formation)</p> <p>Mastery of professional terms and concepts</p>			
Points: min. – max.	0 - 20	0 - 20			
Minimal number points- Prague transience	10	10			

	Total Grade	Prague transience	Span points	Grade											
		20 points	35 - 40	5 (excellent)											
			30 - 34.99	4 (very good)											
			26 - 29.99	3 (good)											
			20 - 25.99	2 (satisfactory)											
<p>Conditions for forming the final grade</p> <ol style="list-style-type: none"> 1. Regularly attend classes 2. Actively participate in classes 3. Pass colloquia 4. Collect at least 50% points 															
<p>Closing exam - criterion Grades Closing exam are consists of of: written exam.</p> <p>If the student answered less than 50% of the questions correctly, it will be considered that he/she did not you passed the final exam. A student who correctly answered more than 50% of the questions he passed the final exam and will profit assessment to the next one way:</p> <table border="1" data-bbox="678 1227 1190 1554"> <thead> <tr> <th>% of correct answersClosing exam</th> <th>Numerical Grade</th> </tr> </thead> <tbody> <tr> <td>90 - 100 %</td> <td>5 (excellent)</td> </tr> <tr> <td>80 - 89.9 %</td> <td>4 (very good)</td> </tr> <tr> <td>65 - 79.9 %</td> <td>3 (good)</td> </tr> <tr> <td>50 - 64.9 %</td> <td>2 (satisfactory)</td> </tr> </tbody> </table>						% of correct answersClosing exam	Numerical Grade	90 - 100 %	5 (excellent)	80 - 89.9 %	4 (very good)	65 - 79.9 %	3 (good)	50 - 64.9 %	2 (satisfactory)
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65 - 79.9 %	3 (good)														
50 - 64.9 %	2 (satisfactory)														
Compulsory literature	<ol style="list-style-type: none"> 1. Rezic Q, Zurić Havelka S Introduction into Basic Medical Terminology for Health Professions. Zagreb: Medically polytechnic; in 2013 2. Mishcin E. England – Croatian dictionary for medical sisters. Zagreb: School book: 2011 														
Additional literature/ Recommended literature	<ol style="list-style-type: none"> 1. Professional articles in English language 														
Number of copies Compulsory literatureby number of students who attend case	Title	Number copies	Number students												
	1. Režić P, Žurić Havelka S. Introduction to Basic Medical Terminology for Health Professions. Zagreb: Medically polytechnic; in 2013	12	60												
	2. Miščin E. English-Croatian dictionary for medical sisters. Zagreb: School book: 2011	12	60												

Methods of quality monitoring that ensure the acquisition of knowledge, skills and competencies

Control quality of work students and acquisitions necessary knowledge and skill insured will are through interactive work. By guiding records on presence and activities students in continue you the information obtained about the students' progress through colloquiums will provide information necessary for further instructions to students in order to increase the efficiency of their work. Students will be sent in their own rights and obligations and work methods and necessary literature.

Indicators system insurance qualities: Student poll, internal Grade classes, thematic sessions of the council on the quality of teaching and results, monitoring of annual data s HZZZ -and on yearly condition of employment students, surveys the employer and associations Alumni and the rest.

GENERAL INFORMATION

Course title	INTEGRATIVE MODEL OF WORK ORGANIZATION IN NURSING PRACTISE	
Course holder	Nikolina Visnjić Junaković, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate nursing study	
Course status	Optional	
Year of study	2.	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-15 E-15

COURSE DESCRIPTION

Course objectives	The aim of the course is to acquaint students with the basic models of work organization in nursing practice, especially with the components of the integrative model of nurses' work organization and its application in nursing practice.
Terms of course entry and required competences	None.
Expected learning outcomes on the course level	1 - explain basic models of work organization in nursing 2 - explain components of integrative models of work organization in nursing 3 - apply the integrative model of work organization in nursing practice
Course content	1. Basic models of work organization in nursing practice (Outcome 1) 2. Components of integrative model of work organization in nursing (Outcome 2) 3. Practical application of integrative model of work organization in nursing practice (Outcome 3)

Types of teaching	lectures	independent tasks
	<input checked="" type="checkbox"/> seminars and workshops	<input type="checkbox"/> multimedia and networks
	exercises	<input type="checkbox"/> laboratory
	<input type="checkbox"/> practical work	<input type="checkbox"/> mentor work
	<input type="checkbox"/> distance learning	<input checked="" type="checkbox"/> continuous evaluation
	<input type="checkbox"/> field work	<input checked="" type="checkbox"/> consultative teaching
		<input type="checkbox"/> other
Comments		
Students' obligations	Regularly and conscientiously attendance of all forms of classes	

Monitoring and evaluating student work	Activities	Outcomes	Hours	ECTS	Points min. – max.
	Attendance	1 - 3	22	0.70	0
	Activity during classes	1 - 3	9	0.30	0 - 10
	Seminar/preparation and presentation	1 - 3	12	0.40	0 - 10
	Colloquium/oral	1 - 3	18	0.60	0 - 10
	Total	1 - 3	60	2	0 – 30 (100% grades)
	Final exam not taken				
	Total	1 - 3	60	2	100%
Grade criteria	Activity during classes	Colloquium/oral exam		Exercises/playing role in the team Model - Integrative care -	

	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together	Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content	Plan preparation: Assignment role Preparation of roles Role playing Grade
	Points: min. – max.		0 - 10	0 - 10	0 - 10
	Minimum number of points - pass threshold		5	5	5
	Total		0 - 30		
	Total grade	Pass threshold	Points range	Grade	

	15 points	26 - 30	5 (excellent)	
		23 - 25.99	4 (very good)	
		19 - 22.99	3 (good)	
		15 - 18.99	2 (satisfactory)	
		Conditions for forming the final gradee: 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquium 4. Get positive opinion for exercises in group 5. Collect at least 50% points		
Final exam not taken				

	Final grade																				
	Forming the Final grade: Based on the points achieved during classes. In the ECTS system, the grade is expressed in the following way:																				
	<table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical grade</th> <th>ECTS - grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89,9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64,9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>			% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade	90 – 100 %	5 (excellent)	A	80 – 89,9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64,9 %	2 (satisfactory)	D			
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65 – 79.9 %	3 (good)	C																			
50 -64,9 %	2 (satisfactory)	D																			
Compulsory literature	<ol style="list-style-type: none"> McKenna H, Pajnikiha M, Murphy F. Fundamentals of Nursing Models, Theories and Practice (2nd Ed), Wiley-Blackwell, 2014. Kalauz S. Sestrinska profesija u svjetlu bioetičkog pluriperspektivizma. Pergamena/HKMS, 2011. 																				
Additional literature	Mary Yeah Kreitzer, Mary Koithan (ed). Integrative Nursing, Oxford University Press; 2014.																				
Number of copies in the library	Title	Number of copies	Number of students																		
	McKenna H, Pajnikiha M, Murphy F. Fundamentals of Nursing Models, Theories and Practice (2nd Ed), Wiley-Blackwell, 2014.	1 2	6 0																		
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Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences	<p>Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.</p> <p>Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.</p>																				

GENERAL INFORMATION

Course title	NATURAL INFANT NUTRITION-BREASTFEEDING	
Course holder	Nevena Šimunić, MSN, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate nursing study	
Course status	Optional	
Year of study	2.	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-15 E-15

COURSE DESCRIPTION

Course objectives	To acquaint students with programs of promotion of breastfeeding in Croatia, advantages of breastfeeding for the mother, the child and the entire social community. Acquired knowledge should enable students to understand successful lactation and recognition of risk factors that affect the quality of breastfeeding.
Terms of course entry and required competences	None
Expected learning outcomes on the course level	<p>1 - describe the normal physiology of lactation, the normal process of breastfeeding, grade the quality of milking, complications which can appear with mothers and infants and their prevention</p> <p>2 - explain procedures of improvements in milk secretion, sucking and release of milk</p> <p>3 - explain breastfeeding techniques and different positions for successful and comfortable breastfeeding</p> <p>4 - explain pumping technique and storage of mother's milk</p> <p>5 - describe the specifics of breastfeeding children with disabilities</p> <p>6 - explain importance of support programs of promotion of breastfeeding in Croatia</p>

Course content	<ol style="list-style-type: none"> 1. Physiology of lactation, process of breastfeeding, assessment quality of milking and complications that can occur in the mother and infant and their prevention (Outcome 1) 2. Procedures to improve milk secretion, sucking and milk release (breastfeeding at the child's request, waking up a sleepy child and methods of soothing a crying child, avoiding unnecessary supplements, problems of lack of milk, improvement of input and milk production...) (Outcome 2) 3. Techniques of breastfeeding, different positions for successful and comfortable delivery (Outcome 3) 4. Technique of pumping and storage of mother's milk (Outcome 4) 5. Specifics of breastfeeding children with disabilities (Outcome 5) 6. Breastfeeding promotion programs in Croatia - global strategies for optimizing nutrition from birth, improving nutrition, growth and development of the health status of newborns, infants and young children (Outcome 6) 				
Types of teaching	<input checked="" type="checkbox"/> lectures seminars and workshops <input checked="" type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work	<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input checked="" type="checkbox"/> other			
Comments					
Students' obligations	Regularly and conscientiously attendance in all forms of classes				
	Activities	Outcomes	Hours	ECTS	Points min. – max.
	Attendance	1 - 6	22	0.70	0
	Activity during classes+ exercises	1 - 6	24	0.80	0 - 20
	Colloquium/oral	1 - 6	14	0.50	0 - 10
	Total	1 - 6	60	2	0 – 30 (100% grades)
	Final exam not taken				
	Total	1 - 6	60	2	100% grades
	Grade criteria	Activity during classes + exercises		Colloquium/oral exam	

Monitoring and evaluating student work	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together	Level of knowledge (ability to analyze, synthesize and evaluate) Structuredness and accuracy of answers Logical linking of facts Mastery of professional terms and concepts Correlation with related content	
	Points: min. – max.		0 - 20	0 - 10	
	Minimum number of points - pass threshold		10	5	
	Total		0 - 30		
	Total grade	Pass treshold	Point s rang e	Grade	
15 points	26 - 30	5 (excellent)			
	23 - 25.99	4 (very good)			
	19 - 22.99	3 (good)			
	15 - 18.99	2 (satisfactory)			
	Conditions for forming the final gradee: 1. Regularly attend classes 2. Actively taking part in continuous classes + exercises 3. Pass colloquium 4. Collect at least 50% points				
Final exam not taken					

	<p>Final grade</p> <p>Forming the Final grade: Based on the points achieved during classes. In the ECTS system, the grade is expressed in the following way:</p> <table border="1" data-bbox="555 526 1241 922"> <thead> <tr> <th data-bbox="555 526 829 645">% of acquired knowledge, skills and competencies</th> <th data-bbox="829 526 1075 645">Numerical grade</th> <th data-bbox="1075 526 1241 645">ECTS - grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="555 645 829 701">90 – 100 %</td> <td data-bbox="829 645 1075 701">5 (excellent)</td> <td data-bbox="1075 645 1241 701">A</td> </tr> <tr> <td data-bbox="555 701 829 757">80 – 89,9 %</td> <td data-bbox="829 701 1075 757">4 (very good)</td> <td data-bbox="1075 701 1241 757">B</td> </tr> <tr> <td data-bbox="555 757 829 813">65 – 79.9 %</td> <td data-bbox="829 757 1075 813">3 (good)</td> <td data-bbox="1075 757 1241 813">C</td> </tr> <tr> <td data-bbox="555 813 829 869">50 -64,9 %</td> <td data-bbox="829 813 1075 869">2 (satisfactory)</td> <td data-bbox="1075 813 1241 869">D</td> </tr> <tr> <td data-bbox="555 869 829 922"></td> <td data-bbox="829 869 1075 922"></td> <td data-bbox="1075 869 1241 922"></td> </tr> </tbody> </table>			% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade	90 – 100 %	5 (excellent)	A	80 – 89,9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64,9 %	2 (satisfactory)	D			
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Compulsory literature	<ol style="list-style-type: none"> Županić M, i sur. Moji prvi dani-priručnik za roditelj. HUPS, Zagreb 2013. Suvremena saznanja o laktaciji i dojenju I, II, III. Sveučilište u Splitu Medicinski fakultet, Split, 2009. 																				
Additional literature	<ol style="list-style-type: none"> Kippley S. Dojenje i katoličko majčinstvo. Verbum, Split, 2008. UNICEF: Priručnik za predavače na trudničkim tečajevima. Ministarstvo zdravstva I socijalne skrbi RH, Ured UNICEF-a, Zagreb, 2010. (stranice 70-90) UNICEF: Priručnik za provođenje inicijative – rodilište-prijatelj djece, Unicef, 2007:53-140. 																				
Number of copies in the library	<table border="1"> <thead> <tr> <th data-bbox="443 1205 1075 1348">Title</th> <th data-bbox="1075 1205 1273 1348">Number of copies</th> <th data-bbox="1273 1205 1449 1348">Number of students</th> </tr> </thead> <tbody> <tr> <td data-bbox="443 1348 1075 1438">Županić M, i sur. Moji prvi dani-priručnik za roditelj. HUPS, Zagreb 2013.</td> <td data-bbox="1075 1348 1273 1438">1 2</td> <td data-bbox="1273 1348 1449 1438">6 0</td> </tr> </tbody> </table>	Title	Number of copies	Number of students	Županić M, i sur. Moji prvi dani-priručnik za roditelj. HUPS, Zagreb 2013.	1 2	6 0														
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GENERAL INFORMATION

Course title	HEALTHY LIFESTYLES AND HEALTHY AGING	
Course holder	PhD. Ivan Vukoja, lecturer PhD. Jakov Ivković, lecturer	
Study programme (undergraduate, graduate)	Professional undergraduate nursing study	
Course status	Optional	
Year of study	2.	
Credit score and forms of teaching	ECTS credits	2
	Number of hours (Lectures+Exercises+Seminars)	L-15 S-15

COURSE DESCRIPTION

Course objectives	To acquaint students with the influence of healthy lifestyles on the prevention of the development of chronic non-communicable diseases, as well as on the preservation of mental health. To introduce students to the concept of active and healthy aging.
Terms of course entry and required competences	None.
Expected learning outcomes on the course level	1 – identify risk factors for development of chronic non-infectious diseases 2 – explain influence of healthy lifestyles on prevention of development of chronic non-communicable diseases 3 - analyse processes bound with physiology aging 4 – explain the need for interdisciplinary approaches in care for older persons
Course content	<ol style="list-style-type: none">1. Epidemiology and pathophysiology of chronic non-communicable diseases and risk factors for their development (Outcome 1)2. National preventive programs (Outcome 1)3. Influence of lifestyles (body activity, diet, smoking and consumption of alcohol) on the prevention/development of chronic non-communicable diseases (Outcome 2)4. Changes in organ functions as repercussions of physiological aging (Outcome 3) Models care for older persons (Outcome 4)

Types of teaching	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> practical work <input type="checkbox"/> distance learning <input type="checkbox"/> field work	<input checked="" type="checkbox"/> independent tasks <input type="checkbox"/> multimedia and networks <input type="checkbox"/> laboratory <input type="checkbox"/> mentor work <input checked="" type="checkbox"/> continuous evaluation <input checked="" type="checkbox"/> consultative teaching <input type="checkbox"/> other
Comments		
Students' obligations	Regularly and conscientiously attendance in all forms of classes	

Activities	Outcomes	Hours	ECTS	Points min. – max.
Attendance	1 - 4	22	0.70	0
Activity during classes	1 - 4	20	0.70	0 - 20
Seminar/preparation and presentation	1 - 4	18	0.60	0 - 10
Total	1 - 4	60	2	0 – 30 (100% grades)
Final exam not taken				
Total		60	2	100% grades
Grade criteria	Activity during classes			Seminar/preparation and presentation

Monitoring and evaluating student work	Description		Preparation for teaching units Understanding previous content Participation in solving tasks together		Organization/structure of work Vocabulary and grammar Expertise and professional terminology Writing style Citation and citing of references Presentation/multimedia	
	Points: min. – max.		0-20		0-10	
	Minimum number of points - pass threshold		10	5		
	Total		0-30			
	Total grade	Pass threshold	Points range	Grade		
15 points	26 - 30	5 (excellent)				
	23 - 25.99	4 (very good)				
	19 - 22.99	3 (good)				
	15 - 18.99	2 (satisfactory)				
Conditions for forming the final grade: 1. Regularly attend classes 2. Actively taking part in classes 3. Pass colloquium 4. Collect at least 50% points						
Final exam not taken						

	<p>Final grade</p> <p>Forming the Final grade: Based on the points achieved during classes. In the ECTS system, the grade is expressed in the following way:</p>																			
	<table border="1"> <thead> <tr> <th>% of acquired knowledge, skills and competencies</th> <th>Numerical grade</th> <th>ECTS - grade</th> </tr> </thead> <tbody> <tr> <td>90 – 100 %</td> <td>5 (excellent)</td> <td>A</td> </tr> <tr> <td>80 – 89,9 %</td> <td>4 (very good)</td> <td>B</td> </tr> <tr> <td>65 – 79.9 %</td> <td>3 (good)</td> <td>C</td> </tr> <tr> <td>50 -64,9 %</td> <td>2 (satisfactory)</td> <td>D</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>			% of acquired knowledge, skills and competencies	Numerical grade	ECTS - grade	90 – 100 %	5 (excellent)	A	80 – 89,9 %	4 (very good)	B	65 – 79.9 %	3 (good)	C	50 -64,9 %	2 (satisfactory)	D		
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Methods of quality monitoring that ensure the acquisition of knowledge, skills and competences

Control of the quality of students' work and the acquisition of the necessary knowledge and skills will be ensured through interactive work. By keeping records of students' attendance and activities in class and information obtained on students' progress through colloquia, the information necessary for further instructions to students will be obtained in order to increase the efficiency of their work. Students will be informed about their rights and obligations, work methods and necessary literature.

Indicators of the quality assurance system: Student survey, internal Grade of teaching, thematic sessions of the council on the quality of teaching and results, monitoring of annual data from HZZZ on the annual state of employment of students, surveys of employers and Alumni associations and others.

0. MATRIX OF LEARNING OUTCOMES OF THE STUDY PROGRAM OF THE PROFESSIONAL UNDERGRADUATE STUDY NURSING FOR THE ACADEMIC YEAR 2024/2025

Matrix of outcome learning outcomes of the study program - professional undergraduate study in Nursing																
Name of the course	IU 1	IU 2	IU 3	IU 4	IU 5	IU 6	IU 7	IU 8	IU 9	IU 10	IU 11	IU 12	IU 13	IU 14	IU 15	IU 16
I. YEAR																
Anatomy	+						+	+								
Pharmacology	+					+	+	+								+
Philosophy and ethics in nursing		+	+		+	+				+						
Physiology	+			+			+					+				
Dietetics	+		+		+	+	+									
Informatics in health cares	+						+							+		+
Communication skills			+		+	+			+				+			+
Microbiology with parasitology	+									+	+					
The basics of medical chemistry and biochemistry	+					+	+	+								
Basics of physics, radiology and radiation protection	+					+	+	+		+						
Basic nursing care I.	+	+	+	+	+	+	+	+	+	+			+		+	+
Basic nursing care II.	+	+	+	+	+	+	+	+	+	+			+		+	+
The process of nursing care I.		+	+	+	+	+	+						+		+	+
The process of nursing care II.		+	+	+	+	+	+				+	+	+		+	+

Social and health legislation		+								+						+
Clinical practice in nursing care I.	+	+	+	+	+	+	+	+	+	+			+		+	+

OPTIONAL COURSES																
English language I							+						+			+
Integrative model of work organization in nursing practice			+		+	+										
Patient safety					+	+	+		+				+			
Team work in nursing					+									+	+	+
Transcultural nursing care						+				+			+			+
Protection of patients' rights in the healthcare system		+					+							+		

Health psychology	+	+									+	+		+		+	
Organization, management and administration in nursing care			+											+	+		+
Clinical practice in nursing care II.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
OPTIONAL COLLEGES																	
Economics in health care			+												+		+
English language II								+						+			+
Prevention of hospital infection	+							+			+	+					
Natural infant nutrition - Breastfeeding						+	+	+					+				
Basic Pain Management Procedures	+				+	+	+	+									
Transfusion of blood and blood products	+									+							
Healthy lifestyles and healthy aging	+						+				+	+	+	+		+	+

Curriculum for the Department of Health Studies, Professional Undergraduate Study of Nursing at the Šibenik University of Applied Sciences, for the academic year 2024/2025 was adopted at the 12th session of the Council of the Šibenik University of Applied Sciences, which was held on Wednesday, July 17 2024.

CLASS: 602-03/24-02/01

NUMBER: 103-23-24-01

Sibenik, 17/07/2024

Head of Professional Undergraduate Study of Nursing

Vesna Bušac, MSN, lecturer

Vesna Bušac

Dean of Šibenik University of Applied Sciences

PhD Ljubo Kunjić, college professor

