



**EUROPEAN**  
**UNIVERSITY**

Faculty of dentistry was founded in accordance with the Law of higher education, i.e. according to the norms and standards for establishing a higher education institution, provided by this Law. Study program of the Faculty of dentistry is compliant to the Law of higher education, including the amendments and supplements to the Law of higher education.

Studies on the Faculty of dentistry, are integrated academic studies of first and second cycle, and they last 10 (ten) semesters. According to the legal regulation, the academic year begins is divided into two semesters (winter and summer semester).

Curriculum of the courses is conceptualized and aligned to the actuality of the topics, emphasizing the need of more comprehensive connection of the theory with practice. More exact specialized education of the students is implemented through existence of current elective courses in all study years, with appropriate relations between the obligatory and elective courses.

Elective courses are continuously related through all ten semesters, because it is about themes that are vertically related, i.e. they are conceptualized as groups of elective courses, according to the affinities of the students.

With the study program of the Faculty of dentistry, for the first and second cycle integrated studies, are provided:

- Obligatory courses
- Elective courses from the Faculty
- Elective courses from the University

After graduating and complete implementation of the descriptors, the student acquires the title **DOCTOR OF DENTISTRY with 300 ECTS** credits in the scientific group: Medical science and health care, scientific field: dentistry, scientific area: 30400-30416. According to the Decree for the national frame of higher education, this is VII/B degree of education.

**ACADEMIC STUDIES - DENTISTRY CURRICULUM, 5 YEARS, 300 ECTS CREDITS, “DOCTOR OF DENTISTRY”**

FIRST YEAR OF STUDIES	
1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester
Anatomy 1	Histology and Embryology
Chemistry	Anatomy 2
Biology	Physiology
Biochemistry	Dental materials and apparatus
Jaw Anatomy and Tooth Morphology	Biostatistics and Informatics
<i>One elective subject from the following:</i>	<i>One elective subject from the following:</i>
Historical development of dentistry with Ergonomics	Foreign language
Marketing	Motivation
SECOND YEAR OF STUDIES	
3 <sup>rd</sup> Semester	4 <sup>th</sup> Semester
General Pathology	Pre-clinical Removable Prosthodontics 2
Pre-clinical Removable Prosthodontics 1	Pathophysiology
Gnathology	Pharmacology
Microbiology and Immunology	Psychiatry and Psychotherapy
Medical Ethics and Psychology	Dental Radiology
<i>One elective subject from the following:</i>	<i>One elective subject from the following:</i>
Physical Education	Management
Health Ecology and Public Health	Genetic Basis in Dentistry
THIRD YEAR OF STUDIES	
5 <sup>th</sup> Semester	6 <sup>th</sup> Semester
Internal Medicine	Infectology
Pre-clinical Cariology	Clinical Cariology 1
Pre-clinical Fixed Prosthodontics 1	Otorhinolaryngology
Dermatovenereology	Preventive Dentistry
Neurology	Pre-clinical Fixed Prosthodontics 2
<i>One elective subject from the following:</i>	<i>One elective subject from the following:</i>
Modeling	Surgery
Pediatrics	<i>One elective subject from the following:</i>
	Focal Infections
	Epidemiology
FOURTH YEAR OF STUDIES	
7 <sup>th</sup> Semester	8 <sup>th</sup> Semester
Clinical Removable Prosthodontics 1	Oral Surgery 2
Clinical Cariology 2	Clinical Mobile Prosthodontics 2
Pre-clinical Orthodontics	Pediatric Dentistry 2
Pediatric Dentistry 1	Oral Pathology
Oral Surgery 1	Clinical Endodontics 1
Pre-clinical Endodontics	Clinical Orthodontics 1
<i>One elective subject from the following:</i>	<i>One elective subject from the following:</i>
Visual Communication	Drawing
Physiology of Pregnancy	Urgent Conditions in Dentistry
FIFTH YEAR OF STUDIES	
9 <sup>th</sup> Semester	10 <sup>th</sup> Semester
Maxillofacial Surgery 1	Maxillofacial Surgery 2
Clinical Endodontics 2	Periodontology 2
Clinical Orthodontics 2	Clinical Fixed Prosthodontics 2
Periodontology 1	Implantology
Clinical Fixed Prosthodontics 1	Forensic Medicine
<i>One elective subject from the following:</i>	Graduate thesis
Ophthalmology	<i>One elective subject from the following:</i>
Photography	Aesthetics in Dentistry
	Introduction to Law

**FIRST STUDY YEAR**

1.	Course name	Anatomy 1			
2.	Course code	ME111			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	First year/First semester	7.	Number of credits according ECTS	9
8.	Pre-requisites	No			
9.	Course goals: Introduction to the human anatomy as a morphological field, terminology, bones, joints, muscles, respiratory, cardiovascular, urogenital system, endocrine organs.				
10.	<p>Course contents: theoretical</p> <ul style="list-style-type: none"><li>• Introduction to the anatomy and osteology, type of bones, components of the bones, professional terminology</li><li>• Osteology of the upper limbs</li><li>• Sindesmology of the trunk and limbs</li><li>• General anatomy-miology</li><li>• General anatomy-angiology, neurology</li><li>• Muscles of the trunk and limbs</li><li>• Cardiovascular system</li><li>• Thoracic cavity and respiratory system</li><li>• Abdominal cavity and digestive system</li><li>• Pelvic cavity and organs (urogenital system)</li><li>• Sensorial organs (olfactory, taste, touch)</li><li>• Endocrine organs</li></ul> <p>Practical course programme</p> <ul style="list-style-type: none"><li>• Professional terminology in topographical anatomy</li><li>• Types of bones, components of the bone, recognizing the elements of the bones</li><li>• Osteology of the trunk and upper limbs-recognizing the elements</li><li>• Sindesmology of the trunk and limbs- recognizing the elements of the joints</li><li>• General anatomy-miology, angiology, neurology</li><li>• Muscles of the trunk and limbs</li><li>• Cardiovascular system</li><li>• Thoracic cavity and respiratory system</li><li>• Abdominal cavity and digestive system</li><li>• Pelvic cavity and organs (urogenital system)</li><li>• Sensorial organs (olfactory, taste, touch)</li><li>• Endocrine system</li></ul>				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes	9 ECTS * 30 = 270			
13.	Distribution of the available time	60+30+45+45+90			
14.	Forms of teaching activities	14.1.	Lectures - Theory	60 hours	
		14.2.	Exercises (lab, auditory), seminars, team work	30 hours	
15.	Other forms of activities	15.1.	Projects	45 hours	

		15.2.	Independent work	45 hours
		15.3.	Home studying	90 hours
16	Method of assessment			
	17.1.	Tests		60 points
	17.2.	Seminar works/ projects (presentation: oral and written)		20 points
	17.3.	Activity and participation		20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points	5 (five) (F)
			from 51 to 60 points	6 (six) (E)
			from 61 to 70 points	7 (seven) (D)
			from 71 to 80 points	8 (eight) (C)
			from 81 to 90 points	9 (nine) (B)
			from 91 to 100 points	10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam	
19.	Teaching language		Macedonian or English	
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process	

1.	Course name	Chemistry			
2.	Course code	OO111			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	First year/first semester	7.	Number of credits according ECTS	3
8.	Pre-requisites	None			
9.	Course goals: Studying chemistry as a science and acquiring basic knowledge in the field of physical, inorganic and organic chemistry				
10.	<p>Course contents:</p> <ul style="list-style-type: none"><li>• Theoretical curriculum</li></ul> <p>Structure of matter, construction of the atom, electronic structure, periodic table of elements; Chemical connections; Molecules, complex compounds, chelate; Metal bond, main properties of metals, alloys, amalgams, obtaining of alloys; Solids, liquids and gases; Solutions, types of solutions, concentration of the dissolved substance; Electrolyte solutions, concentrated solutions, colloidal solutions, classification, colloid structure, colloid properties, Electrophoresis, dialysis; Chemical reactions, chemical equations, chemical equilibrium, chemical reaction rates, activation energy, catalysis, catalysis of enzymes; Chemical Thermodynamics, Le Chatelier's Principle, Free Enthalpy and Chemical Equilibrium; Protolytic processes, acids and bases, waterproofing with water, ionic product of water and pH, physiological pH values, pH values of aqueous solutions of salts, buffers, more important buffers; Oxidation-reduction processes; Elements, hydrogen, alkali metals, alkaline earth metals, boron group, carbon group, nitrogen group, oxygen group, halogen elements, transition metals, noble gases, chemical properties, biochemical and medical significance of some elements; Organic chemistry, carbon chemistry, biomolecules and biopolycondensates, reactions in organic chemistry; Induction effect, isomers, isomeric types; Hydrocarbons, alkanes, alkenes, alkynes, aromatic hydrocarbons, benzene: structure, nomenclature and aromatic properties, benzene homologues. Alcohols, phenols, ethers, carbonyl compounds, aldehydes, ketones, carboxylic acids, saturated, unsaturated and aromatic monocarboxylic acids, dicarboxylic acids, aldehydes and ketocarboxylic acids and derivatives; Heterocyclic compounds, pyrrole, pyrrole, pyrrolidine, porphyrins, hemoglobin, furan, thiophene - pyridine; Carbohydrates, peptides, proteins.</p>				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		3 ECTS * 30 = 90		
13.	Distribution of the available time		15+0+20+20+35		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		0 hours
15.	Other forms of activities	15.1.	Projects		20 hours
		15.2.	Independent work		20 hours
		15.3.	Home studying		35 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points

	16.3.	Activity and participation	20 points
17.	Criteria for evaluation (scores/ rate)	to 50 points	5 (five) (F)
		from 51 to 60 points	6 (six) (E)
		from 61 to 70 points	7 (seven) (D)
		from 71 to 80 points	8 (eight) (C)
		from 81 to 90 points	9 (nine) (B)
		from 91 to 100 points	10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam	
19.	Teaching language	Macedonian or English	
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process	



1.	Course name	Biology			
2.	Course code	OO112			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	First Year / First Semester	7.	Number of credits according ECTS	6
8.	Pre-requisites	No			
9.	Course goals: Learning the basics of biology				
10.	Course contents: Theory classes Origin of life: Fossil records from the beginning of life; Evolution and its evidence; anthropogenesis; Basic characteristics of the cell; Types of prokaryotic cells; Cell specialization and eukaryotic cell; Cellular differentiation of multicellular organisms; Control of the number of cells in multicellular organisms; Chemical composition of the cell; Chemical communications; Cell macromolecules; Energy in cells: Cellular energy production and its spending; Obtaining energy in cells from food; Synthesis, structure and function of proteins: from DNA to proteins, Structure and function of DNA; DNA replication; DNA repair; Chromosomes, gene regulation and gene variations. Cell membrane and membrane transport; Cell membrane as lipid bilayer; Membrane proteins; Cell signaling; Cell receptors. Recombinant DNA technology: Analysis of DNA molecules; DNA hybridization; Cloning; DNA engineering. Cell division, Cell cycle and Controlled cell death, Mitosis, Cytokinesis; Meiosis; Cell control system; Programmed Cell Death mediated by proteolytic enzymes.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		6 ECTC * 30 = 180		
13.	Distribution of the available time		30+30+30+30+60		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		30 hours
15.	Other forms of activities	15.1.	Projects		30 hours
		15.2.	Independent work		30 hours
		15.3.	Home studying		60 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)	to 50 points			5 (five) (F)
		from 51 to 60 points			6 (six) (E)
		from 61 to 70 points			7 (seven) (D)
		from 71 to 80 points			8 (eight) (C)
		from 81 to 90 points			9 (nine) (B)
		from 91 to 100 points			10 (ten) (A)

18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam
19.	Teaching language	Macedonian or English
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process

1.	Course name	Biochemistry			
2.	Course code	OO113			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	First year/first semester	7.	Number of credits according ECTS	5
8.	Pre-requisites	No			
9.	Course goals: Learning of the basics of general and oral biochemistry.				
10.	<p>Course contents:</p> <p>Theoretical course program General biochemistry: Introduction to biochemistry; Carbohydrates; Amino acids; Peptides; Proteins; Enzymes; Vitamins and co-enzymes; Lipides; Nucleic acids; Hormones; Metabolism of the substances; Introduction to metabolism; Metabolism of carbohydrates; Krebs cycle; Respiratory chain; Metabolism of lipids; Metabolism of nitrogen compounds. Oral biochemistry: Composition, characteristics and role of saliva; Most important components of the saliva; Organic components of the saliva; Inorganic components of the saliva; Proteins in saliva; Metabolism of calcium and phosphorus; Metabolism of fluor; Dental plaque; Composition of dental plaque; metabolism in the dental plaque; Caries; Biochemical aspects of tooth caries.</p> <p>Practical course program General Biochemistry: Qualitative analysis of carbohydrates; Qualitative analysis of proteins; Qualitative analysis of lipids; Practical demonstration: Izolation and identification of DNA; Electrophoresis; Isolation and identification of hemoglobin. Oral biochemistry: Qualitative analysisi of saliva; Determination of pH of saliva; Isolation of mucin from saliva; Isolation of chlorine ions from saliva; Isolation of phosphoric ions from saliva; Proving the effect of pH of saliva on the activity of salivary amylases.</p>				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		5 ECTS * 30 = 150		
13.	Distribution of the available time		30+30+25+25+40		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		30 hours
15.	Other forms of activities	15.1.	Projects		25 hours
		15.2.	Independent work		25 hours
		15.3.	Home studying		40 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)

		from 51 to 60 points	6 (six) (E)
		from 61 to 70 points	7 (seven) (D)
		from 71 to 80 points	8 (eight) (C)
		from 81 to 90 points	9 (nine) (B)
		from 91 to 100 points	10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam	
19.	Teaching language	Macedonian or English	
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process	

1.	Course name	Jaws anatomy and teeth morphology			
2.	Course code	ST111			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	first year / first semester	7.	Number of credits according ECTS	5
8.	Pre-requisites	No			
9.	Course goals: Acquainting with knowledge of anatomo-morphological structure of the jaws and teeth				
10.	Course contents: Theoretical part Anatomy of the oral cavity;Temporary and permanent teeth; Teeth: Histology: Characteristic tooth marks; Dental arches and dental groups; Tooth marking systems; Support tissues of teeth; Morphology of teeth; Orientation points, lines and plains; Occlusion of the crows.  Practice Practical classes follow the contents of theoretical instruction. Students are actively involved in carrying out practical tasks.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		5 ECTS * 30 = 150		
13.	Distribution of the available time		15+45+25+25+40		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		45 hours
15.	Other forms of activities	15.1.	Projects		25 hours
		15.2.	Independent work		25 hours
		15.3.	Home studying		40 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field is carried out continuously during the educational process		

1.	Course name		Historical development of dentistry with ergonomics			
2.	Course code		OO114			
3.	Study program		Dentistry			
4.	Organizer of the study program (unit, institute, department, division)		EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)		First			
6.	Academic year / semester		First year/first semester	7.	Number of credits according ECTS	2
8.	Pre-requisites		None			
9.	Course goals: Acquiring knowledge about the historical development of dentistry					
10.	Course contents: Theoretical curriculum History and development of dentistry; Contents of dentistry; Connection of dentistry with other sciences; Professional orientation of the dentist Types of services; Defining ergonomics in dentistry; Hygiene and ergonomics: reliability, working conditions, and environment; Ergonomic criteria in dental practice and infection control; Working condition and ergonomic measures; Ergonomics in the prevention of occupational diseases.					
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.					
12.	Total available time for classes			2 ECTS* 30 = 60		
13.	Distribution of the available time			30+15+4+4+7		
14.	Forms of teaching activities	14.1.	Lectures - Theory			30 hours
		14.2.	Exercises (lab, auditory), seminars, team work			15 hours
15.	Other forms of activities	15.1.	Projects			4 hours
		15.2.	Independent work			4 hours
		15.3.	Home studying			7 hours
16.	Method of assessment					
	16.1.	Tests				60 points
	16.2.	Seminar works/ projects (presentation: oral and written)				20 points
	16.3.	Activity and participation				20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points			5 (five) (F)
			from 51 to 60 points			6 (six) (E)
			from 61 to 70 points			7 (seven) (D)
			from 71 to 80 points			8 (eight) (C)
			from 81 to 90 points			9 (nine) (B)
			from 91 to 100 points			10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam			
19.	Teaching language		Macedonian or English			
20.	Evaluation methods		Self-evaluation			

1.	Course name		Marketing			
2.	Course code		OO115			
3.	Study program		Dentistry			
4.	Organizer of the study program (unit, institute, department, division)		EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)		First			
6.	Academic year / semester		First year/ First semester	7.	Number of credits according ECTS	2
8.	Pre-requisites		None			
9.	Course goals: The goal of the course is to familiarize students with the basics of marketing, to explain them how to identify and define target markets, to prepare an effective marketing plan, to set realistic goals and how to choose the right marketing strategies for the company. Also, the students get to know how to monitor the company's performance based on marketing efforts and to adjust them to the changing environmental conditions.					
10.	Course contents: Defining the terms marketing, marketing of physical (material) products and marketing of services. Marketing mix for service companies, such as services as products, distribution of services, promotion and prices for services. Learning the marketing communication mix, specific to the services - physical environment, service atmosphere, importance of the service staff, quality and productivity of the services. Marketing of relationships and building long-term customer relationships. Specificity of marketing in the health sector. Marketing strategies and marketing plan for the health sector.					
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.					
12.	Total available time for classes			2ECTS * 30 = 60		
13.	Distribution of the available time			30+15+4+4+7		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours	
		14.2.	Exercises (lab, auditory), seminars, team work		15 hours	
15.	Other forms of activities	15.1.	Projects		4 hours	
		15.2.	Independent work		4 hours	
		15.3.	Home studying		7 hours	
16.	Method of assessment					
	16.1.	Tests			60 points	
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points	
	16.3.	Activity and participation			20 points	
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)	
			from 51 to 60 points		6 (six) (E)	
			from 61 to 70 points		7 (seven) (D)	
			from 71 to 80 points		8 (eight) (C)	
			from 81 to 90 points		9 (nine) (B)	
			from 91 to 100 points		10 (ten) (A)	
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam			

19.	Teaching language	Macedonian or English
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process



1.	Course name	Histology with embryology			
2.	Course code	ME 121			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	First year/ Second semester	7.	Number of credits according ECTS	6
8.	Teacher	Prof. Dr. Mirjana Kaeva Pejkovska			
9.	Course goals: Studying the basics of histology and tissue construction				
10.	Course contents: <b>Theoretical instruction</b> Introduction to the parenthral development of the human: Types of tissues and their structural and functional characteristics; Histology of individual organic systems; Histology of the nasal and oral cavity and organs in it. Study of the embryonic development of organs in the oral cavity with the formation of the head and face; The occurrence of the most common congenital anomalies in this region. <b>Practical classes</b> Analysis of histological preparations from tissues and organs.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		6 ECTS * 30 = 180		
13.	Distribution of the available time		30+30+30+30+60		
14.	Forms of teaching activities	14.1.	Lectures – Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		30 hours
15.	Other forms of activities	15.1.	Projects		30 hours
		15.2.	Independent work		30 hours
		15.3.	Home studying		30 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field is carried out continuously during the educational process		

1.	Course name	Anatomy 2			
2.	Course code	ME122			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	First year/Second semester	7.	Number of credits according ECTS	6
8.	Pre-requisites	No			
9.	Course goals: Introduction to the human anatomy of the head and neck, central and peripheral nervous system, sensorial organs (eye and ear), bones and joints of the head and neck				
10.	<p>Course contents:</p> <p>Content of the theoretical course program:</p> <ul style="list-style-type: none"><li>• Bones of the head and neck</li><li>• Joints of the head and neck</li><li>• Muscles of the ehad and neck</li><li>• Vascularization of the ehad and neck</li><li>• Central nervous system-spine and rhomboid brain</li><li>• Midbrain and mesencephalon</li><li>• Forbrain</li><li>• Head cavities</li><li>• Eye anatomy</li><li>• Ear anatomy</li><li>• Peripheral and autonomic nervous system</li></ul> <p>Content of the practical course program:</p> <ul style="list-style-type: none"><li>• Bones of the head and neck</li><li>• Joints of the head and neck</li><li>• Muscles of the ehad and neck</li><li>• Vascularization of the ehad and neck</li><li>• Central nervous system-spine brain</li><li>• Skull and brain</li><li>• Peripheral and autonomic nervous system</li><li>• Head cavities</li><li>• Eye anatomy</li></ul>				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		6 ECTS * 30 = 180		
13.	Distribution of the available time		30+30+30+30+60		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		30 hours
15.	Other forms of activities	15.1.	Projects		30 hours
		15.2.	Independent work		30 hours
		15.3.	Home studying		60 hours
16.	Method of assessment				

	16.1.	Tests	60 points	
	16.2.	Seminar works/ projects (presentation: oral and written)	20 points	
	16.3.	Activity and participation	20 points	
17.	Criteria for evaluation (scores/ rate)		to 50 points	5 (five) (F)
			from 51 to 60 points	6 (six) (E)
			from 61 to 70 points	7 (seven) (D)
			from 71 to 80 points	8 (eight) (C)
			from 81 to 90 points	9 (nine) (B)
			from 91 to 100 points	10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language	Macedonian or English		
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	Physiology			
2.	Course code	ME123			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	First year/second semester	7.	Number of credits according ECTS	9
8.	Pre-requisites	No			
9.	Course goals: Studying the physiology of the human organism				
10.	Course contents: Theoretical part: Cellular physiology; Blood; Circulatory system; Respiratory system; Gastrointestinal system; Metabolism; Body fluid and urinary system. Nervous system. Endocrine system. Practical part: It follows the contents of theoretical instruction. Students are actively involved in carrying out practical tasks. Functional, electrophysiological, macroscopic, microscopic and biochemical exercises are performed depending on the system being studied.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		9 ECTS * 30 = 270		
13.	Distribution of the available time		60+30+45+45+90		
14.	Forms of teaching activities	14.1.	Lectures – Theory		60 hours
		14.2.	Exercises (lab, auditory), seminars, team work		30 hours
15.	Other forms of activities	15.1.	Projects		45 hours
		15.2.	Independent work		45 hours
		15.3.	Home studying		90 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)	to 50 points			5 (five) (F)
		from 51 to 60 points			6 (six) (E)
		from 61 to 70 points			7 (seven) (D)
		from 71 to 80 points			8 (eight) (C)
		from 81 to 90 points			9 (nine) (B)
		from 91 to 100 points			10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	Dental materials and appliances			
2.	Course code	ST121			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	first year / second semester	7.	Number of credits according ECTS	3
8.	Pre-requisites	No			
9.	Course goals: Introduction to the modern dental laboratory; Instructions for proper application and work with materials				
10.	Course contents:  Teoretical part Standards of dental materials; Classification of materials; Materials used to make models, production, storage. Working model; Types of dental waxes, physical and chemical properties; Internal construction of materials; Bio-compatibility of materials; Alloys used in dentistry: gold, silver palladium, alloys for metal ceramics, partial denture alloys, titanium alloys, dental steels; Materials in implantology; Gypsum plaster casts as a bonding agent, with phosphate as a bonding agent, with silicate as a bonding agent; Fireproof mass for lumping; Impression materials for Impression and duplication; Plastic masses – acrylics and composites; Ceramic materials; Processing and polishing materials; Thermal processing of alloys.  Practice part Introduction to the modern dental laboratory; Instructions for proper application and work with materials; Working with plaster; work with various waxes; Working and processing of various materials (gold alloys, silver palladium alloys, alloys for metal ceramics and skeletal dentures; casting masses, duplication, isolation and ceramic materials; making acrylic dentures and applying composite materials; working with occluders and articulators.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		3 ECTS * 30 = 90		
13.	Distribution of the available time		30+0+15+15+30		
14.	Forms of teaching activities	14.1.	Lectures – Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		0 hours
15.	Other forms of activities	15.1.	Projects		15 hours
		15.2.	Independent work		15 hours
		15.3.	Home studying		30 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points

17.	Criteria for evaluation (scores/ rate)	to 50 points	5 (five) (F)
		from 51 to 60 points	6 (six) (E)
		from 61 to 70 points	7 (seven) (D)
		from 71 to 80 points	8 (eight) (C)
		from 81 to 90 points	9 (nine) (B)
		from 91 to 100 points	10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam	
19.	Teaching language	Macedonian or English	
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process	

1.	Course name	Biostatistics and infomatics			
2.	Course code	OO121			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	First year/second semester	7.	Number of credits according ECTS	4
8.	Pre-requisites	No			
9.	Course goals: Studying of the medical statistics and acquisition and improvement of the basic skills odmedical statistics.				
10.	Course contents: Population and sample. Number sets. Statistical gradient; Confidence intervals. Staistical hypotheses. Corelation and regresion. Analysis of time series. Statistical analysis of structural changes and differences. Indexes. Vital statistic (birthrate, mortality, fertility, stillbirth). Natural growth of the population and index of vitality. Morbidity. Definition and recources for demographic statistics. International classification of diseases, injuries and causes for death. Mortality rate according to death causes.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		4 ECTS * 30 = 120		
13.	Distribution of the available time		30+30+15+15+30		
14.	Forms of teaching activities	14.1.	Lectures – Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		30 hours
15.	Other forms of activities	15.1.	Projects		15 hours
		15.2.	Independent work		15 hours
		15.3.	Home studying		30 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field is carried out continuously during the educational process		

1.	Course name	Foreign Language			
2.	Course code	OO112			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	First year/Second semester	7.	Number of credits according ECTS	2
8.	Pre-requisites	Basic knowledge of English language			
9.	Course goals: Upon completing the course, students will acquire the core communication skills in the field of dentistry. They will improve their verbal competence, actively use all language components, as well as apply basic knowledge on written communication.				
10.	Course contents: The human body, The locomotory system, The sensory system, The nervous system, The respiratory system, The cardiovascular system, The digestive system, The urogenital system, The endocrine system, The genetics system				
11.	Learning methods: Method of oral presentation, method of problematic teaching, method of independent work.				
12.	Total available time for classes		2 ECTS * 30 = 60		
13.	Distribution of the available time		30+0+8+8+14		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		0 hours
15.	Other forms of activities	15.1.	Projects		8 hours
		15.2.	Independent work		8 hours
		15.3.	Home studying		14 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		



1.	Course name	Motivation			
2.	Course code	OO123			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	First year/ Second semester	7.	Number of credits according ECTS	2
8.	Pre-requisites	No			
9.	Course goals: The goal of the course is to present students with the functional concept of motivation as a challenge employees and managers face during work.				
10.	Course contents: This subject addresses the method used by managers to motivate employees so as to increase their performance and their work satisfaction. The discussion on leadership sets off with the chapter on motivation, and continues with the management styles adopted by managers. There are a number of theories of motivation, hence the focus of this subject. It is widely accepted knowledge that managers who discover the key to the inner motivation of employees can rely on endless source of productivity within the organizations they lead.				
11.	Learning methods: Method of oral presentation and method of dialogue.				
12.	Total available time for classes		2 ECTS * 30		
13.	Distribution of the available time		30+0+8+8+14		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		0 hours
15.	Other forms of activities	15.1.	Projects		8 hours
		15.2.	Independent work		8 hours
		15.3.	Home studying		14 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)	to 50 points			5 (five) (F)
		from 51 to 60 points			6 (six) (E)
		from 61 to 70 points			7 (seven) (D)
		from 71 to 80 points			8 (eight) (C)
		from 81 to 90 points			9 (nine) (B)
		from 91 to 100 points			10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

## **SECOND STUDY YEAR**

1.	Course name	General pathology			
2.	Course code	ME211			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Second Year / Third Semester	7.	Number of credits according ECTS	6
8.	Pre-requisites	No			
9.	<b>Course goals:</b> Acquiring knowledge of pathological conditions in the human body				
10.	Course contents: <b>Theory classes</b> Pathology of cells; Circulatory disorders; Inflammation, repair and regeneration; Tumor immunopathology; Respiratory system; Cardiovascular system; Pathology of the oral cavity; Gastrointestinal system and peritoneum; Urogenital system; Endocrine glands; Central nervous system; The skin; Musculoskeletal system and soft tissue tumors. <b>Practical classes</b> Microscopic display of selective cases of these areas and systems; Macroscopic exercises; Basic concepts in the histology laboratory.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		6 ECTC * 30 = 180		
13.	Distribution of the available time		45+15+30+30+60		
14.	Forms of teaching activities	14.1.	Lectures - Theory		45 hours
		14.2.	Exercises (lab, auditory), seminars, team work		15 hours
15.	Other forms of activities	15.1.	Projects		30 hours
		15.2.	Independent work		30 hours
		15.3.	Home studying		60 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)	to 50 points		5 (five) (F)	
		from 51 to 60 points		6 (six) (E)	
		from 61 to 70 points		7 (seven) (D)	
		from 71 to 80 points		8 (eight) (C)	
		from 81 to 90 points		9 (nine) (B)	
		from 91 to 100 points		10 (ten) (A)	
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	Preclinical removable prosthodontics 1			
2.	Course code	ST211			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Second year/ theart semestar	7.	Number of credits according ECTS	6
8.	Pre-requisites	No			
9.	Course goals: Acquiring knowledge in the field of mobile prosthetics				
10.	Course contents:				
	Teoretical instruction				
	The program of preclinical removable prosthetics encompasses the basic biomedical and technological knowledge and skills of tooth less mouth on which the laboratory and clinical work of the conventional therapy is based on the corresponding soft and hard oral tissues.				
	Biological basis of upper and lower total prosthesis; Conditions for retention and stabilization of the total prosthesis; Anatomical imprint and anatomical models; Making an individual spoon; Functional prints and individual models; Vertical and horizontal relationships of maxillary and mandible; Transfer of working models into articulators; Selecting and setting teeth; Polymerization and finishing; Corrections of total prostheses.				
10.	Practical classes				
	The practical classes folow the contents of the theoretical instruction, and students are actively involved in carrying out practical tasks.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		6 ECTS * 30 = 180		
13.	Distribution of the available time		15+45+30+30+60		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		45 hours
15.	Other forms of activities	15.1.	Projects		30 hours
		15.2.	Independent work		30hours
		15.3.	Home studying		60 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		

19.	Teaching language	Macedonian or English
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process

1.	Course name	Gnathology			
2.	Course code	ST212			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	second year / third semester	7.	Number of credits according ECTS	5
8.	Pre-requisites	No			
9.	Course goals: Studying physiology, histology and morphology, as well as malformations and pathology of the masticatory system				
10.	Course contents: Teoretical part Gnathology is acknowledge of the anatomo-physiological, histological and pathological characteristics of the masticatory system and its functioning. The anatomy and physiology of the masticatory system are studied; Gnathological aspects of occlusion; Composition of occlusion; Occlusion and articulation, Boundary mandibular movements; Physical rest and centric relation; Articulators; Face Arch; Functional analysis of the stomatognathic system; Prerequisites for providing optimal occlusal conditions; Functions of the masticatory system; Obstacles and irregularities in the function of the masticatory system. Procedures of selective trimming and modern occlusal patterns used in gnathology. Procedures of selective research and modern occlusal patterns used in gnathology.  Practice Practical classes will follow the theory classes with demonstrations and discussion of cases from theoretical instruction. Practice of certain given procedure.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		5 ECTS * 30 = 150		
13.	Distribution of the available time		30+30+25+25+40		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		30 hours
15.	Other forms of activities	15.1.	Projects		25 hours
		15.2.	Independent work		25 hours
		15.3.	Home studying		40 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)

		from 81 to 90 points	9 (nine) (B)
		from 91 to 100 points	10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam	
19.	Teaching language	Macedonian or English	
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process	

1.	Course name	Microbiology with immunology			
2.	Course code	ME212			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Second Year / Third Semester	7.	Number of credits according ECTS	6
8.	Pre-requisites	No			
9.	Course goals: Acquiring knowledge of microbiology and immunology				
10.	Course contents: Theory classes Types of microorganisms and differences between them: Morphology and physiology of bacteria; Morphology and replication of viruses; Antimicrobial means and mechanisms of action; Genetics of microorganisms; Pathogenicity and virulence, infectious disease; Congenital and acquired resistance; The antigen-antibody reaction; Types of hypersensitivity; Classification of bacteria; DNA and RNA viruses; Morphology and general characteristics of mushrooms and fungi; Microorganisms in the oral cavity and their meaning. Practical classes Methods for microscopic examination and culture of microorganisms; Practical execution and control of the sterilization and disinfection; Susceptibility testing of microorganisms in vitro and in vivo; Serological methods for diagnosis of diseases and identification of microorganisms; Microscopic, culture, physiological and antigen specificities of common bacteria, fungi and yeasts.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		6 ECTC * 30 = 180		
13.	Distribution of the available time		30+30+30+30+60		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		30 hours
15.	Other forms of activities	15.1.	Projects		30 hours
		15.2.	Independent work		30 hours
		15.3.	Home studying		60 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)	to 50 points		5 (five) (F)	
		from 51 to 60 points		6 (six) (E)	
		from 61 to 70 points		7 (seven) (D)	
		from 71 to 80 points		8 (eight) (C)	
		from 81 to 90 points		9 (nine) (B)	
		from 91 to 100 points		10 (ten) (A)	



18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam
19.	Teaching language	Macedonian or English
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process

1.	Course name	Medical ethics and psychology			
2.	Course code	OO211			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Second year/third semester	7.	Number of credits according ECTS	5
8.	Pre-requisites	None			
9.	<p>Course goals:</p> <ul style="list-style-type: none"><li>-Introduction to the basic principles of medical ethics</li><li>-Introduction to the basic principles of medical psychology</li><li>-Developing communication skills and approaching a patient</li><li>-Acquiring knowlege about the principles of professional ethics, the structure of the patient's personality, the way the patient reacts about his own health and it's expected that the student will accept and act by the acquired knowlege</li></ul>				
10.	<p>Course contents:</p> <p>Medical ethics</p> <ul style="list-style-type: none"><li>-Introduction to medical ethics</li><li>-Historical development and theories about medical ethics</li><li>-Principles of medical ethics and behavioural codex</li><li>-Doctor-patient relationship</li><li>-Behaviour towards the human body</li><li>-Ethical dilemas before birth</li><li>-Ethical dilemas after birth</li><li>-Genetical research and ethics</li><li>-Ethics and medical research</li><li>-Modern medical procedures and ethics</li></ul> <p>The first colloquium is taken</p> <ul style="list-style-type: none"><li>-Behaviour towards distinct cathegories of patients</li><li>-Behaviour towards patients ill of a distinct illness</li><li>-Old age and dementia</li><li>-Doctor's mistake and unethical treatment</li></ul> <p>Medical psychology</p> <ul style="list-style-type: none"><li>-Introduction to medical psychology</li><li>-Development of the child's organism and psychological functions</li><li>-Becoming independent</li><li>-Development of the personality's structure</li><li>-Theories of personality development</li><li>-Adjustment conflict</li></ul> <p>The second colloquium is taken</p> <ul style="list-style-type: none"><li>-Bacis models in clinical psychology</li><li>-Methods in medical psychology</li><li>-Psychological functions</li><li>-Patients' behaviour in certain situations</li><li>-Stress and pain</li><li>-Patient's behaviour towards pain</li></ul> <p>The third colloquium is taken</p>				

11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.		
12.	Total available time for classes	5 ECTS * 30 = 150	
13.	Distribution of the available time	30+30+25+25+40	
14.	Forms of teaching activities	14.1.	Lectures - Theory 30 hours
		14.2.	Exercises (lab, auditory), seminars, team work 30 hours
15.	Other forms of activities	15.1.	Projects 25 hours
		15.2.	Independent work 25 hours
		15.3.	Home studying 40 hours
16.	Method of assessment		
	16.1.	Tests	60 points
	16.2.	Seminar works/ projects (presentation: oral and written)	20 points
	16.3.	Activity and participation	20 points
17.	Criteria for evaluation (scores/ rate)	to 50 points	5 (five) (F)
		from 51 to 60 points	6 (six) (E)
		from 61 to 70 points	7 (seven) (D)
		from 71 to 80 points	8 (eight) (C)
		from 81 to 90 points	9 (nine) (B)
		from 91 to 100 points	10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam	
19.	Teaching language	Macedonian or English	
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process	

1.	Course name	Physical education			
2.	Course code	OO212			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Second year/third semester	7.	Number of credits according ECTS	2
8.	Pre-requisites	None			
9.	Course goals: Satisfying students' needs for movement and psysical exercise, maintenance and development of motor skills				
10.	Course contents: 1. General physical preparation (introducing the basic principles of physical exercise, exercises for strenghtening distinct muscle groups and regions) 2. General physical preparation (introducing and application of different forms and ways of correct warm up for physical activities, exercises for strenghtening distinct muscle groups and regions) 3. Aerobics, martial arts or gymnastics 4. Outdoor activities-hiking or orientation in nature 5. Basketball (exercising the basic elements of basketball-leading the ball, passing the ball, layup, shoot) 6. Basketball (game) 7. Ping-pong and badminton 8. Volleyball (game) 9. Handball (game) 10. Aerobics 11. Martial arts, elementary games 12. Checking motor skills, elementary games, traditional and other dances				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		2 ECTS * 30 = 60		
13.	Distribution of the available time		15+15+8+8+14		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		15 hours
15.	Other forms of activities	15.1.	Projects		8 hours
		15.2.	Independent work		8 hours
		15.3.	Home studying		14 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)

		from 51 to 60 points	6 (six) (E)
		from 61 to 70 points	7 (seven) (D)
		from 71 to 80 points	8 (eight) (C)
		from 81 to 90 points	9 (nine) (B)
		from 91 to 100 points	10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam	
19.	Teaching language	Macedonian or English	
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process	

1.	Course name	Health ecology and public health			
2.	Course code	ME213			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Second Year / Third Semester	7.	Number of credits according ECTS	2
8.	Pre-requisites	No			
9.	Course goals: Introducing students to aspects of medical ecology, infectious diseases, noninfectious diseases prevention and organization of the health service and the health insurance system				
10.	Course contents: Definition of health ecology and ecological concept of health; Definition and classification of environmental factors and their impact on health; Environmental and biological monitoring in the assessment of health risks; Relation dose-exposure effect, basic aspects of ecotoxycology. Physical factors in the environment and their health impacts: Climate and microclimate factors and health; Radiation - ionizing and non-ionizing radiation and health; Environmental health significance of noise and vibration, health effects and measures of prevention. Environmental health aspects of air pollution: Measures for prevention, technological, legal, medical. Environmental health aspects of drinking water and water supply, health environmental aspects of surface and waste water and solid and liquid waste: Medical waste (liquid and solid), meaning selection, treatment and preparation for final disposition. Environmental health aspects of the school environment: environmental health aspects of food. Food pyramid; Criteria and standards for determining the macro and micro nutritional needs of the population and specific population groups; Proper nutrition of the population, consumption of specific population groups, national recommendations and the recommendations of the WHO.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		2 ECTC * 30 = 60		
13.	Distribution of the available time		15+15+8+8+14		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		15 hours
15.	Other forms of activities	15.1.	Projects		8 hours
		15.2.	Independent work		8 hours
		15.3.	Home studying		14 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)

		from 61 to 70 points	7 (seven) (D)
		from 71 to 80 points	8 (eight) (C)
		from 81 to 90 points	9 (nine) (B)
		from 91 to 100 points	10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam	
19.	Teaching language	Macedonian or English	
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process	

1.	Course name	Preclinical removable prosthodontics 2			
2.	Course code	ST221			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Second year/fourth semester	7.	Number of credits according ECTS	8
8.	Pre-requisites	no			
9.	Course goals: - Studying the basic biomedical and technological knowledge and skills on which laboratory and clinical work is based on the conventional therapy of partially edentulous with the corresponding soft and hard oral tissues.				
10.	Course contents: Theoretical lessons  Introduction to partial prosthetics, actuality in partial prosthesis and historical development of partial dentures. Changes that develop after the loss of the natural teeth: the extrinsic and intraoral changes. Characteristics of supporting tissues that carry the partial denture. Classification of partial edentulousness. Parts of acrylic partial dentures. Parts of skeletal partial dentures. Elements for retention and stabilization of partial dentures. Static on partial dentures. Dental paralometer.  Practical lessons The practical work sends the contents of the theoretical instruction, and students are actively involved in carrying out practical tasks.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		8 ECTS * 30 = 240		
13.	Distribution of the available time		30+45+40+40+85		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		45 hours
15.	Other forms of activities	15.1.	Projects		40 hours
		15.2.	Independent work		40 hours
		15.3.	Home studying		85 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)



		from 61 to 70 points	7 (seven) (D)
		from 71 to 80 points	8 (eight) (C)
		from 81 to 90 points	9 (nine) (B)
		from 91 to 100 points	10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam	
19.	Teaching language	Macedonian or English	
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process	

1.	Course name	Pathophysiology			
2.	Course code	ME221			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Second year/fourth semester	7.	Number of credits according ECTS	6
8.	Pre-requisites	No			
9.	Course goals: Introduction to the pathophysiological processes in the organism and their link to the diseases, as well as introduction to the experimental methods in the field.				
10.	<p>Content of the theoretical course program:</p> <ul style="list-style-type: none"><li>• Definition for health and disease</li><li>• Exogenous factors predisposing diseases</li><li>• Thermic influence causing disease</li><li>• Shock and types of shocks</li><li>• Immune system and immunological disturbances</li><li>• Allergic reactions</li><li>• Pathophysiology of the energetic metabolism</li><li>• Pathophysiology of the GIT</li><li>• Pathophysiology of the respiratory system</li><li>• Pathophysiology of the cardiovascular system</li><li>• Pathophysiology of the urinary system</li><li>• Pathophysiology of the endocrine system</li></ul> <p>Content of the practical course program</p> <ul style="list-style-type: none"><li>• Performane of a reflex</li><li>• Influence of the physical factors</li><li>• Influence of the chemical factors</li><li>• Influence of the biological factors</li><li>• Immune system disturbances</li><li>• Allergic reactions</li><li>• Pathophysiology of the energetic metabolism</li><li>• Pathophysiology of the GIT and respiratory system</li><li>• Pathophysiology of the cardiovascular and urinary system</li><li>• Pathophysiology of the endocrine system</li></ul>				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		6 ECTS * 30 = 180		
13.	Distribution of the available time		30+30+30+30+60		
14.	Forms of teaching activities	14.1.	Lectures - Theory		45 hours
		14.2.	Exercises (lab, auditory), seminars, team work		30 hours
15.	Other forms of activities	15.1.	Projects		30 hours
		15.2.	Independent work		30 hours
		15.3.	Home studying		60 hours
16.	Method of assessment				

	16.1.	Tests	60 points	
	16.2.	Seminar works/ projects (presentation: oral and written)	20 points	
	16.3.	Activity and participation	20 points	
17.	Criteria for evaluation (scores/ rate)		to 50 points	5 (five) (F)
			from 51 to 60 points	6 (six) (E)
			from 61 to 70 points	7 (seven) (D)
			from 71 to 80 points	8 (eight) (C)
			from 81 to 90 points	9 (nine) (B)
			from 91 to 100 points	10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language	English		
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	Pharmacology			
2.	Course code	ME222			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Second year/Fourth semester	7.	Number of credits according ECTS	6
8.	Pre-requisites	No			
9.	Course goals Introduction to the general and special pharmacology, pharmacotherapy and adverse reactions to the drugs.				
10.	<p>Content of the theoretical course program:</p> <ul style="list-style-type: none"><li>• Definition for drug and poison, doses and drug dosage</li><li>• Pharmacodynamics and pharmacokinetics</li><li>• Drug interactions, adverse reactions of the drugs</li><li>• Preclinical and clinical trials for medications</li><li>• Pharmacology of the peripheral nervous system-local anaesthetics</li><li>• Pharmacology of the central and autonomous nervous system</li><li>• Pharmacology of the respiratory system</li><li>• Pharmacology of the cardiovascular system</li><li>• Pharmacology of the blood and tissues</li><li>• Pharmacology of the digestive system</li><li>• Pharmacology of the kidneys</li><li>• Antiseptics and disinfectants, fluor</li><li>• Chemotherapeutics</li></ul> <p>Content of the practical course program</p> <ul style="list-style-type: none"><li>• Definition for drug, definition for poison</li><li>• Pharmacopeia</li><li>• Main structure of the receipt</li><li>• Review of a receipt</li><li>• Review of the structure of the medication instruction</li><li>• Tablets, capsules, suspension, linguals</li><li>• Cream, ointment, solutions, drops and infusion</li><li>• Introduction to enema, prescription of enemas</li><li>• Exercises of medicines prescriptions</li><li>• Instructions and receipts for magistral medicines</li><li>• Reporting of drug adverse reactions</li></ul>				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		6 ECTS * 30 = 180		
13.	Distribution of the available time		30+30+30+30+60		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		30 hours
15.	Other forms of activities	15.1.	Projects		30 hours
		15.2.	Independent work		30 hours

		15.3.	Home studying	60 hours
16	Method of assessment			
	16.1.	Tests		60 points
	16.2.	Seminar works/ projects (presentation: oral and written)		20 points
	16.3.	Activity and participation		20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points	5 (five) (F)
			from 51 to 60 points	6 (six) (E)
			from 61 to 70 points	7 (seven) (D)
			from 71 to 80 points	8 (eight) (C)
			from 81 to 90 points	9 (nine) (B)
			from 91 to 100 points	10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam	
19.	Teaching language		English	
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process	

1.	Course name	Psychiatry and psychotherapy			
2.	Course code	ME223			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Second year IV semester	7.	Number of credits according ECTS	2
8.	Pre-requisites	no			
9.	<b>Course goals:</b> Studying psychological processes and functions and psychopathological characteristics of mental disorders				
10.	Course contents: General psychopathology (disturbance of perception, attention, memory, thinking, emotions, volition, consciousness and intelligence); Special psychopathology: Psychological Disturbance in adolescents; Disturbance in adults: Psychoorganic syndrome, Mental and behavioral disorders due to psychoactive substance use, Schizophrenia, schizotypal, delusional, and other non-mood psychotic disorders, Mood (affective) disorders, Anxiety, dissociative, stress-related, somatoform and other nonpsychotic mental disorders, Behavioral syndromes associated with physiological disturbances and physical factors (Eating disorders, Sleep Disturbance, Sexual dysfunction); Intellectual disabilities. Urgent conditions in psychiatry; Mentally healthy person. Basic terms and methods within psychotherapy.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		2 ECTS * 30 = 60		
13.	Distribution of the available time		15+0+10+10+25		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		0 hours
15.	Other forms of activities	15.1.	Projects		10 hours
		15.2.	Independent work		10 hours
		15.3.	Home studying		25 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)	to 50 points			5 (five) (F)
		from 51 to 60 points			6 (six) (E)
		from 61 to 70 points			7 (seven) (D)
		from 71 to 80 points			8 (eight) (C)
		from 81 to 90 points			9 (nine) (B)
		from 91 to 100 points			10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field is carried out continuously during the educational process		

1.	Course name	Dental roentgenology			
2.	Course code	ST222			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Second year / fourth semester	7.	Number of credits according ECTS	5
8.	Pre-requisites	None			
9.	Course goals: Studying and improving of the contents of the X-ray anatomy in the maxi-facial region, pathological conditions in the maxi-facial region, the techniques of footage.				
10.	Course contents: Theoretical classes: Introduction to radiology. Physical characteristics of X-rays. An X-ray event. Types of recordings in the maxi-facial region. Teeth Radiology (footage techniques, radiological anatomy, abnormalities of teeth development, caries and sickness of endodont and paradont, impacted teeth, resorptive processes, traumatic injuries to the teeth). Radiology of bone tissue (recording techniques and X-ray anatomy, developmental anomalies, pathological conditions). Radiology of the salivary glands. Foreign bodies in the area of teeth and jaws. Footage protection. Practical classes: Patient in X-ray service, footage techniques. X-ray anatomy in the maxio-facial region. Pathological conditions in the maxio-facial region.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		5 ECTS * 30 = 150		
13.	Distribution of the available time		30+30+25+25+40		
14.	Forms of teaching activities	14.1.	Lectures – Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		30 hours
15.	Other forms of activities	15.1.	Projects		25 hours
		15.2.	Independent work		25 hours
		15.3.	Home studying		40 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)	to 50 points		5 (five) (F)	
		from 51 to 60 points		6 (six) (E)	
		from 61 to 70 points		7 (seven) (D)	
		from 71 to 80 points		8 (eight) (C)	
		from 81 to 90 points		9 (nine) (B)	
		from 91 to 100 points		10 (ten) (A)	

18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam
19.	Teaching language	Macedonian or English
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process



1.	Course name	Management			
2.	Course code	OO221			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Second year/fourth semester	7.	Number of credits according ECTS	3
8.	Pre-requisites	No			
9.	<p>Course goals:</p> <p>The Healthcare Management program is structured to achieve a good balance between management, economics and quantitative methods. Classes consist of lectures, discussions and case studies. Instructors will present sound theoretical principles, tools and methodologies, but also practical examples. Faculty will make an extensive use of case studies as a way to introduce students to a wide range of practical management issues in healthcare organizations. Additional to exams, other elements will be part of the final grading such as class participation, individual assignments and group work. Moreover, to emphasize the interdisciplinary nature of the program, each course is shared between a resident faculty member and a visiting professor from abroad.</p>				
10.	<p>Course contents:</p> <p>1. being informed about the cutting edge thinking and skills on healthcare management and policy;</p> <p>2. pursuing an international career in the healthcare sector in private or public institutions;</p> <p>3. taking the challenge of learning in a multidisciplinary, international and dynamic environment with courses characterized by innovative teaching and grading methods;</p> <p>being part of a prestigious University with a strong reputation in research and education but also with deep connections to a set of values that put at the center of the economic system, the integrated and balanced development of the communities and of each citizen.</p>				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		3 ECTS *30 = 90		
13.	Distribution of the available time		30+15+10+10+25		
14.	Forms of teaching activities	14.1.	Lectures – Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		15 hours
15.	Other forms of activities	15.1.	Projects		10 hours
		15.2.	Independent work		10 hours
		15.3.	Home studying		25 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)

		from 81 to 90 points	9 (nine) (B)
		from 91 to 100 points	10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam	
19.	Teaching language	Macedonian or English	
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process	

1.	Course name	Genetic basis in dentistry			
2.	Course code	OO222			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Second year/fourth semester	7.	Number of credits according ECTS	3
8.	Pre-requisites	No			
9.	Course goals: Learning the genetic basis of the dental system and diseases in the maxillofacial region				
10.	Course contents: Genetic fundamentals of the dental system Genetic basics of diseases in the maxillofacial region				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		3 ECTS * 30 = 90		
13.	Distribution of the available time		30+15+10+10+25		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		15 hours
15.	Other forms of activities	15.1.	Projects		10 hours
		15.2.	Independent work		10 hours
		15.3.	Home studying		25 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

## **THIRD STUDY YEAR**

1.	Course name	Internal Medicine			
2.	Course code	ME311			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Third year V semester	7.	Number of credits according ECTS	8
8.	Pre-requisites	No			
9.	Course goals:Objectives of the course program (competences): Students are involved in taking a history, objective examination and approach to the application of physical methods depending on the system being studied.				
10.	Course contents: Congenital and acquired haemolytic anaemias; Clinical significance of the haemostatic system; Significance of haemorrhagic syndrome; Congenital clotting defects; Thromboembolic diseases with a particular emphasis on anticoagulant therapy important for dental practice; Preparing the ill with blood diseases for dental intervention; Diabetes mellitus and preparation of a patient from this disease for dental interventions; Rheumatic diseases; preparation of a patient from this disease for dental interventions; Emergency conditions in internal medicine; Acute poisoning and general principles of treatment				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		8 ECTS * 30 = 240		
13.	Distribution of the available time		60+30+40+40+70		
14.	Forms of teaching activities	14.1.	Lectures - Theory		60 hours
		14.2.	Exercises (lab, auditory), seminars, team work		30 hours
15.	Other forms of activities	15.1.	Projects		40 hours
		15.2.	Independent work		40 hours
		15.3.	Home studying		70 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	Preclinical cariology			
2.	Course code	ST311			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Third year / fifth semester	7.	Number of credits according ECTS	8
8.	Pre-requisites	No			
9.	Course goals: Study of the construction of hard tooth substances, their destruction from dental caries and diagnosis and repair of the carious lesions.				
10.	Course contents: <b>Theoretical lessons</b> Dental arches, interdental space; dental substances: embryology, structure, chemical composition and histological construction of enamel, dentin, cement; etiology of caries; Pathohistology of the caries process in enamel, dentin, cement; Classification of carious lesions; Diagnostic methods and diagnosis of caries; Preparation of I, V, II, III, IV class; Means for temporary closing of cavities; Types of protective sinks; Materials for permanent restoration of cavities; Amalgams; Composites; Dentin adhesives; Glassionomer cements; Types of inlaid preparations; Methods of making inlays				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		8 ECTC * 30 = 240		
13.	Distribution of the available time		30+60+40+40+70		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		60 hours
15.	Other forms of activities	15.1.	Projects		40 hours
		15.2.	Independent work		40 hours
		15.3.	Home studying		70 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)	to 50 points		5 (five) (F)	
		from 51 to 60 points		6 (six) (E)	
		from 61 to 70 points		7 (seven) (D)	
		from 71 to 80 points		8 (eight) (C)	
		from 81 to 90 points		9 (nine) (B)	
		from 91 to 100 points		10 (ten) (A)	
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field is carried out continuously during the educational process		

1.	Course name	Preclinical fixed prosthodontics 1			
2.	Course code	ST312			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Thirt year/ V semester	7.	Number of credits according ECTS	6
8.	Pre-requisites	No			
9.	Course goals: Getting acquainted with the instrument and the technical equipment for making fixed structures. Phantom teeth preparation. Modeling crowns on the phantom, investment, casting, processing and preparation for facets				
10.	Course contents: Definition of artificial crowns, types and clasification of crowns, conditions to be fulfilled by crowns. Information on the preparation of teeth for artificial crowns, the limit of the preparation, impression types and materials for impression. Treatment of impressions, preparation of working models,dental casts. Manufacturing of one-piece full metal crown with and without interspace. Aesthetic crowns - faceted with compact masses. Making crowns on the Artglass system. Making a metal ceramic crown. Making crowns with special purpose, purpose crowns or atypical crowns. Galvanotechnical preparation of metal skeleton for crown and facetting possibilities. Sintered crowns. Non-metallic crowns. Indirect production of temporaty crowns and bridges. Double crowns, telescopic crowns and conical crowns. Waxing and metal milling, milling machines. Filled crowns, Richmond crown, Inlaycore, one-piece and multi-part, Richmond foundation by placing various attachments				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		6 ECTS * 30 = 180		
13.	Distribution of the available time		15+45+30+30+60		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		45 hours
15.	Other forms of activities	15.1.	Projects		30 hours
		15.2.	Independent work		30hours
		15.3.	Home studying		60 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)	to 50 points			5 (five) (F)
		from 51 to 60 points			6 (six) (E)
		from 61 to 70 points			7 (seven) (D)
		from 71 to 80 points			8 (eight) (C)
		from 81 to 90 points			9 (nine) (B)
		from 91 to 100 points			10 (ten) (A)

18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam
19.	Teaching language	Macedonian or English
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process



1.	Course name		Neurology			
2.	Course code		ME313			
3.	Study program		Dentistry			
4.	Organizer of the study program (unit, institute, department, division)		EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)		First			
6.	Academic year / semester		Third year/ V semester	7.	Number of credits according ECTS	2
8.	Pre-requisites		No			
9.	Course goals: Introducing with the disorders of the nervous system and improving the techniques of nerve diseases diagnosing.					
10.	Course contents: Neurology (general); neuromuscular diseases; Neuropathy (2); Myopathies (2); Myasthenia gravis; Cranial nerves I, II, III; Multiple sclerosis; The extrapyramidal system diseases ; Cerebellum diseases ; Apoplexy; The large and spinal cord tumors; Encephalitis; Epilepsy; Migraines and other ailments.					
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.					
12.	Total available time for classes			2 ECTS * 30 = 60		
13.	Distribution of the available time			15+0+10+10+25		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours	
		14.2.	Exercises (lab, auditory), seminars, team work		0 hours	
15.	Other forms of activities	15.1.	Projects		10 hours	
		15.2.	Independent work		10 hours	
		15.3.	Home studying		25 hours	
16.	Method of assessment					
	16.1.	Tests			60 points	
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points	
	16.3.	Activity and participation			20 points	
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)	
			from 51 to 60 points		6 (six) (E)	
			from 61 to 70 points		7 (seven) (D)	
			from 71 to 80 points		8 (eight) (C)	
			from 81 to 90 points		9 (nine) (B)	
			from 91 to 100 points		10 (ten) (A)	
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam			
19.	Teaching language		Macedonian or English			
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process			

1.	Course name	Modeling			
2.	Course code	OO311			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Third year/ Fifth semester	7.	Number of credits according ECTS	3
8.	Pre-requisites	No			
9.	Course goals: The Students to adopt the traditional and contemporary modeling techniques for interior design (designs) industrial, graphic and fashion design.				
10.	Course contents: The purpose of the course is for students to master the modeling skills, ie by making various types of models-models, depending on the theme of designing. Various methods and techniques will be studied for the application of different materials for making models. The emphasis will be on proper application of constructions depending on the materials that are applied. Depending on the subject of the design, will be applied different measurement on the development of layouts. The different materials with their characteristics are analyzed. Quality of the surface of the material, structure, texture and texture. The combination of modern tools such as computer-aided design and classical techniques of various materials and constructions, allow the student to turn the idea into a three-dimensional model. Innovative products are created that relate to the environment, are satisfied everyday and specific needs of man. Students are introduced in the process of realizing one of the important stages in the development of ideas and forms and their realization in designing models.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		3ECTS * 30 = 90		
13.	Distribution of the available time		15+30+10+10+25		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		30 hours
15.	Other forms of activities	15.1.	Projects		10 hours
		15.2.	Independent work		10 hours
		15.3.	Home studying		25 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)	to 50 points			5 (five) (F)
		from 51 to 60 points			6 (six) (E)
		from 61 to 70 points			7 (seven) (D)
		from 71 to 80 points			8 (eight) (C)
		from 81 to 90 points			9 (nine) (B)
		from 91 to 100 points			10 (ten) (A)

18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam
19.	Teaching language	Macedonian or English
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process

1.	Course name	Pediatrics			
2.	Course code	ME314			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Third year/First semester	7.	Number of credits according ECTS	3
8.	Pre-requisites	No			
9.	Course goals: Introduction to the specific Pediatrics, and the diseases of the particular systems in the pediatric age, diagnosis and therapy				
10.	Course contents: Growth and developement; Inheritance, most common chromosomal aberations combined with orofacial clinical presentation; Rickets, Nutrition, Convulsive syndrome; Haemostasis; Anemias; Malignantdiseases; Congenital cardiomyopathies; Rheumatic diseases; Chronic nephropathies; Diabetes melitus; Malabsorptions; Upper respiratorydiseases.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		3 ECTS * 30 = 90		
13.	Distribution of the available time		15+30+10+10+25		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15
		14.2.	Exercises (lab, auditory), seminars, team work		30
15.	Other forms of activities	15.1.	Projects		10
		15.2.	Independent work		10
		15.3.	Home studying		25
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	Infectology			
2.	Course code	ME321			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Third year/ 6th semester	7.	Number of credits according ECTS	3
8.	Pre-requisites	No			
9.	Course goals: To acquire knowledge from general infectious diseases, infectious agents, protection from infection and infectious disease, immune response in infection, diagnosis and treatment of infectious disease, the most significant syndromes in infectology.				
10.	<p>Course contents:</p> <p><b>Theoretical instruction</b></p> <ol style="list-style-type: none"><li>1. Infection, infectious disease (basic characteristics), temperature, types and regulation</li><li>2. Immunology in infectious diseases</li><li>3. Basic principles of diagnostics, therapy and prevention of infectious diseases</li><li>4. The most significant syndromes in infectology</li><li>5. Aetiology, epidemiology and significance of GIT infections</li><li>6. Ikteric syndrome. Viral hepatitis</li><li>7. Minor respiratory infections</li><li>8. Lower respiratory infections</li><li>9. Zoonoses</li><li>10. Infections of the CNS</li><li>11. HIV / AIDS</li><li>12. Herpes infections, infection with rashes</li></ol> <p><b>Practical classes</b></p> <ol style="list-style-type: none"><li>1. Getting acquainted with the documentation in running an infectious ill</li><li>2. Review of a patient with infectious disease</li><li>3. Mastering of laboratory, microbiological and diagnostic procedures</li><li>4. Lumbar puncture</li><li>5. Treatment of a patient with a Ikteric syndrome</li><li>6. Treatment of a patient with a meningeal syndrome</li><li>7. Treatment of a patient with zoonosis</li><li>8. Treatment of a patient with an emphysema syndrome</li><li>9. Treatment of a patient with a mononucleic syndrome</li><li>10. Treatment of a patient with respiratory infection</li><li>11. Urgent conditions in infectology</li><li>12. Vaccine calendar, prophylaxis of infectious diseases</li></ol>				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		3 ECTS * 30 = 90		
13.	Distribution of the available time		15+15+15+15+30		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		15 hours
15.	Other forms of activities	15.1.	Projects		15hours
		15.2.	Independent work		15 hours

		15.3.	Home studying	30 hours
16	Method of assessment			
	16.1.	Tests		60 points
	16.2.	Seminar works/ projects (presentation: oral and written)		20 points
	16.3.	Activity and participation		20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points	5 (five) (F)
			from 51 to 60 points	6 (six) (E)
			from 61 to 70 points	7 (seven) (D)
			from 71 to 80 points	8 (eight) (C)
			from 81 to 90 points	9 (nine) (B)
			from 91 to 100 points	10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam	
19.	Teaching language		Macedonian or English	
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process	

1.	Course name	Clinical Cariology 1			
2.	Course code	ST321			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Third year/ 6th semester	7.	Number of credits according ECTS	7
8.	Pre-requisites	None			
9.	Course goals: Obtaining knowledge and skills for remediation of all types of carious lesions				
10.	Course contents: Restoration of all types of carious lesions; Restoration with all types of materials for permanent cavitation of cavities; Making inlays.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		7 ECTC * 30 = 210		
13.	Distribution of the available time		15+75+30+30+60		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		75 hours
15.	Other forms of activities	15.1.	Projects		30 hours
		15.2.	Independent work		60 hours
		15.3.	Home studying		60 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	Otorhinolaryngology			
2.	Course code	ME322			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Third year /sixth semester	7.	Number of credits according ECTS	2
8.	Pre-requisites	No			
9.	Course goals: Acquiring basic knowledge in the field of otorhinolaryngology				
10.	<p>Course contents:</p> <p>Theoretical instruction :</p> <p>Embryology, anatomy and physiology of the ear; Physiology and pathophysiology of hearing and equilibrium; Audiometry (subjective and objective); Vestibular functional tests; Congenital malformations of the external, middle and inner ear; Clinical aspects of diseases of the external, middle and inner ear; Injuries to the outside, middle and inner ear; Paralysis of nervous phytassis (Bell's); Clinical aspects of cochlea-vestibular disorders; Tumors of the middle and inner ear, n. vestibulocochlearis and n. facialis; ORL manifestations of HIV; Allergic and immunological manifestations in ORL; Embryology, anatomy and physiology of the nose and paranasal sinuses;</p> <p>Congenital malformations of the nose and paranasal sinuses; Inflammatory diseases of the nose and paranasal sinuses; Sinusogenic complications; Epistaxis; Strange bodies in the nose and paranasal sinuses; Trauma on the nose, paranasal sinuses and skeletal facial; Tumors of the nose and paranasal sinuses; Lymphatic system of the pharynx; Congenital malformations of the oropharynx; Tonsil and adenoid vegetation; Inflammatory diseases of the oropharynx; Deep neck infections; Embryology, anatomy and physiology of larynx; Congenital malformations of the larynx; Inflammatory diseases of the larynx and trachea; Injuries to the larynx; Oedema Laringis; Tumors of the larynx; Tracheotomy; Disturbance of speech; Strange bodies in the tracheobronchial trunk; Congenital malformations of isophagus; Mechanical injuries to esophagus; Body bodies in oesophagus</p>				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		2 EKTC * 30 = 60		
13.	Distribution of the available time		15+0+10+10+25		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		0 hours
15.	Other forms of activities	15.1.	Projects		10 hours
		15.2.	Independent work		10 hours
		15.3.	Home studying		25 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points



17.	Criteria for evaluation (scores/ rate)	to 50 points	5 (five) (F)
		from 51 to 60 points	6 (six) (E)
		from 61 to 70 points	7 (seven) (D)
		from 71 to 80 points	8 (eight) (C)
		from 81 to 90 points	9 (nine) (B)
		from 91 to 100 points	10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam	
19.	Teaching language	Macedonian or English	
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process	

1.	Course name	Preventive dentistry			
2.	Course code	ST332			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Third year / sixth semester	7.	Number of credits according ECTS	6
8.	Pre-requisites	No			
9.	Course goals: Acquiring knowledge and skills in the field of conservation of oral health in the population and application of preventive measures.				
10.	Course contents: Methods for the prevention of dental caries; Dental plaque and its role in maintaining dental health; Mechanical and chemical control of the dental plaque; The role of fluoride in the prevention of dental caries and its application; Sealing of dental fissures; Tests for determining the risk of occurrence of narcosis and prognosis of carious disease; Examination of saliva defense; Baby bottle caries; Preventive of periodontal disease in childhood; Prevention of high risk and special needs; Interceptual orthodontics; education and motivation as factors for the promotion of oral health. Dental plaque identification; Dental plaque index; Tests for determining the risk of developing caries and the prognosis of carious disease; Medical documentation; Training patients for the technique of brushing teeth; Motivation for maintaining the achieved oral hygiene; Fluoridation of teeth.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		6 ECTS * 30 = 180		
13.	Distribution of the available time		30+30+30+30+60		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		30 hours
15.	Other forms of activities	15.1.	Projects		30 hours
		15.2.	Independent work		30 hours
		15.3.	Home studying		60 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular		

		field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process
--	--	---

1.	Course name	Preclinical fixed prosthodontics 2			
2.	Course code	ST323			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Thirt year/ VI semestiar	7.	Number of credits according ECTS	5
8.	Pre-requisites	No			
9.	Course goals: Acquiring knowledge about dental bridges, information on indications, conditions for construction, clasification, parts of the bridge. Modeling and making of dental bridges depending on the localization, hygienic, aesthetic and phonetic conditions				
10.	Course contents: Theoretical instruction: Dental bridges, information on indications, conditions for construction, clasification, parts of the bridge. Modeling and making of dental bridges depending on the localization, hygienic, aesthetic and phonetic conditions. Making a fully faceted bridge. Modeling the body of a bridge with wax semi-finished products. Modeling and making of circular bridges. Contilever and Extension Bridge Modeling. Making alternative bridges with a metal and non-metallic surface. Gnathology and modeling of teeth after a gnatological concept with wound dressing (Point Centrik, Aufwakstehnika). Metal-ceramics - modeling of bridge structures, investment, casting and processing of metal skeleton. Processing equipment, conditioning and facade with ceramics. Application and baking of ceramics.Casting machines for ceramics, corrective casting and finishing glazed baking - glazing.  Practical classes Construction - modeling of bridges (upper frontal, upper lateral and lower front and lower lateral bridges). Preparation for investment, investment casting, processing (rough, fine) and polishing (demonstration). Bridge facade, polymerization, processing and polishing (demonstration).				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		5 ECTS * 30 = 150		
13.	Distribution of the available time		15+45+25+25+40		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		45 hours
15.	Other forms of activities	15.1.	Projects		25 hours
		15.2.	Independent work		25 hours
		15.3.	Home studying		40 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)

		from 71 to 80 points	8 (eight) (C)
		from 81 to 90 points	9 (nine) (B)
		from 91 to 100 points	10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam	
19.	Teaching language	Macedonian or English	
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process	

1.	Course name	Focal infections			
2.	Course code	ST324			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Third year/ six semester	7.	Number of credits according ECTS	3
8.	Pre-requisites	No			
9.	Course goals: To introduce students with the meaning and complications that can be given by focal infections, such focal points can be manifested and treated.				
10.	Course contents:  Theoretical curriculum: <ul style="list-style-type: none"><li>• Theories of focal infection</li><li>• Oral hot spots, consecutive disorders</li><li>• Pathogenesis of focal infection</li><li>• Diagnosis of oral hot spots</li><li>• Focal hotspot therapy and premedication</li><li>• Measures for the prevention of focal infection</li></ul> Practical curriculum: <ul style="list-style-type: none"><li>• Diagnosis of oral hot spots by applying specific tests.</li><li>• Focal hotspot therapy and premedication,</li><li>• Measures for the prevention of focal infection</li></ul>				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		3 ECTS * 30 = 90		
13.	Distribution of the available time		15+15+15+15+30		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		15 hours
15.	Other forms of activities	15.1.	Projects		15 hours
		15.2.	Independent work		15 hours
		15.3.	Home studying		30 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)

		from 91 to 100 points	10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam	
19.	Teaching language	Macedonian or English	
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process	

## **FOURTH STUDY YEAR**



1.	Course name	Clinical removable prosthodontics1			
2.	Course code	ST411			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fourth year/seventh semester	7.	Number of credits according ECTS	7
8.	Pre-requisites	No			
9.	Course goals: - Practical instruction is a whole with the theoretical one. It is combined with the contents of the theoretical instruction, and the students are actively involved in the therapy of edentulous patients.				
10.	Course contents: -Position and movement of mandible; Consequences of total edentulousness; An anamnesis, examination, diagnosis and treatment plan; Conditions for retention and stabilization of total prostheses (pre-preparative preparation); Anatomical impressions and analysis; Individual impressions; Determination of the vertical and horizontal relation of the maxillary and mandible; Problems of soft and hard tissues during the therapy with total prostheses; Restoration of prostheses and subjecting.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		7 ECTS * 30 = 210		
13.	Distribution of the available time		90+30+25+25+40		
14.	Forms of teaching activities	14.1.	Lectures - Theory		90 hours
		14.2.	Exercises (lab, auditory), seminars, team work		30 hours
15.	Other forms of activities	15.1.	Projects		25 hours
		15.2.	Independent work		25 hours
		15.3.	Home studying		40 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)	to 50 points		5 (five) (F)	
		from 51 to 60 points		6 (six) (E)	
		from 61 to 70 points		7 (seven) (D)	
		from 71 to 80 points		8 (eight) (C)	
		from 81 to 90 points		9 (nine) (B)	
		from 91 to 100 points		10 (ten) (A)	
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	Clinical Cariology 2			
2.	Course code	ST412			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fourth year/ 7th semester	7.	Number of credits according ECTS	4
8.	Pre-requisites	None			
9.	Course goals: Restoration of all types of carious lesions; Restoration with all types of materials for permanent cavitation of cavities; Making inlays.				
10.	Course contents: Method of oral presentation, method of problematical teaching, method of technical devices and laboratory method.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		4 ECTC * 30 = 120		
13.	Distribution of the available time		15+45+15+15+30		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		45 hours
15.	Other forms of activities	15.1.	Projects		15 hours
		15.2.	Independent work		15 hours
		15.3.	Home studying		30 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	Preclinic orthodontics			
2.	Course code	ST413			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fourth year/VII semester	7.	Number of credits according ECTS	5
8.	Pre-requisites	No			
9.	Course goals: Introduction to Orthodontics; To get knowledge about normal development of dentition and normal occlusion; Etiologic factors; Orofacial functions; Diagnostic Aids-Case History and Clinical Examination; Dental alginate impressions with wax bite registration; Making orthodontics plaster study models; Dental cast analysis in mixed and permanent dentition; Photographic records; Cephalometric analysis on lateral and PA radiographs.				
10.	Course contents: Prenatal and postnatal growth and development of the craniofacial system; Etiology of malocclusions – local and general factors; Orofacial functions; Diagnostic procedures of malocclusions; Clinical examination-general and dental examination; Study cast analysis; Radiographic examination; Cephalometric analysis; Hand wrist radiography; Skeletal age determination with CV method.				
11.	Learning methods: Method of oral presentation, method of problematic teaching, method of independent work and laboratory method.				
12.	Total available time for classes		5 ECTS * 30 = 150		
13.	Distribution of the available time		30+30+25+25+40		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		30 hours
15.	Other forms of activities	15.1.	Projects		25 hours
		15.2.	Independent work		25 hours
		15.3.	Home studying		40 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	Pediatric Dentistry 1			
2.	Course code	ST414			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fourth year / seventh semester	7.	Number of credits according ECTS	5
8.	Pre-requisites	No			
9.	Course goals: Selection of therapeutic methods according to age and types of children. Caries repair, inflammation of the pulp and periodontium deciduous teeth dentition and young permanent teeth.				
10.	Course contents: Embryological development of teeth; Stimulation of deciduous and permanent teeth; Anatomical characteristics of deciduous teeth; Histology of dental structures; Developmental anomalies in the teeth; Caries of deciduous teeth; materials for restoration of teeth in childhood; Radiography in childhood; Diseases of the pulp and periodontium; Apexogenesis; Medicines used in therapy; young permanent teeth, histomorphological features and, diseases and remediation				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		5 ECTS * 30 = 150		
13.	Distribution of the available time		30+45+20+20+35		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		45 hours
15.	Other forms of activities	15.1.	Projects		20 hours
		15.2.	Independent work		20 hours
		15.3.	Home studying		35 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	Oral surgery 1			
2.	Course code	ST415			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fourth year/ seventh semester	7.	Number of credits according ECTS	5
8.	Pre-requisites	No			
9.	Course goals: Demonstration of cases and discussion. Introduction to surgical instruments. Practical demonstration of techniques for local anaesthesia.				
10.	Course contents: Pre-operative evaluation of the patient. Pre-assessment and preparation of patients suffering from general diseases. Prevention and management of emergencies. Basic principles of surgery. Principle of asepsis. Wound healing. Methods for pain control. Local anaesthesia. Anaesthetics for local anaesthesia. Techniques for local anaesthesia. Complications of local anaesthesia. Principles of tooth extraction. Principles of surgical tooth extraction. Principles of extraction of impactet teeth. Post-operative checkup of the patient.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		5 ECTS * 30 = 150		
13.	Distribution of the available time		30+45+20+20+35		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		45 hours
15.	Other forms of activities	15.1.	Projects		20 hours
		15.2.	Independent work		20 hours
		15.3.	Home studying		35 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)	to 50 points		5 (five) (F)	
		from 51 to 60 points		6 (six) (E)	
		from 61 to 70 points		7 (seven) (D)	
		from 71 to 80 points		8 (eight) (C)	
		from 81 to 90 points		9 (nine) (B)	
		from 91 to 100 points		10 (ten) (A)	
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	Preclinical endodontics			
2.	Course code	ST416			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fourth year/ Seventh semester	7.	Number of credits according ECTS	2
8.	Pre-requisites	No			
9.	Course goals: Study of histology, anatomy and pulp tissue function and diagnosis of pulp diseases				
10.	Course contents: Anatomy, histology and functions of dental pulp and foramen apical- tissues; Diagnosis and diagnostic methods of pulp inflammation; Etiology of pulp diseases; Classification of pulp diseases; Pathophysiology and clinical picture of acute pulp inflammation; Pathophysiology and clinical picture of chronic pulp inflammation; Regressive and degenerative changes in the pulp; Anatomic morphological characteristics of the cavity and the pulp channels in certain groups of teeth.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		28EKTC*30=60		
13.	Distribution of the available time		15+30+4+4+7		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		30 hours
15.	Other forms of activities	15.1.	Projects		4 hours
		15.2.	Independent work		4 hours
		15.3.	Home studying		7 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name		Visual Communications			
2.	Course code		OO411			
3.	Study program		Dentistry			
4.	Organizer of the study program (unit, institute, department, division)		EURM – Faculty of Dentistry			
5.	Degree (first, second, third cycle)		First			
6.	Academic year / semester		Fourth Year/Seventh Semester	7.	Number of credits according ECTS	2
8.	Pre-requisites		No			
9.	Course goals: Learning the mechanisms of visual communication through the methods of development and application of visually formed information, for a purpose of identification, information and promotion of a service or a product.					
10.	Course contents: The students will learn the mechanisms of visual communication through all its aspects: visual culture/communication theory, mechanisms of perception, psychology of reception and understanding of visual data and messages, development of communication strategies, and forms to new media of visual communication. The practical work is focused on creating relevant and effective visual identities. The elements, and the forms of visual communication design are treated individually (logo, sign, symbols, etc.) and/or as part of a systematic collective identity (national identities, corporate identities) or as a part of an advertising campaign (ads, corporate communications).					
11.	Learning methods: Method of oral presentation, method of problem-solving method of independent work and laboratory method.					
12.	Total available time for classes			2 ECTS x 30 = 60		
13.	Distribution of the available time			15+0+10+10+25		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours	
		14.2.	Exercises (lab, auditory), seminars, team work		0 hours	
15.	Other forms of activities	15.1.	Projects		10 hours	
		15.2.	Independent work		10 hours	
		15.3.	Home studying		25 hours	
16.	Method of assessment					
	16.1.	Tests			60 points	
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points	
	16.3.	Activity and participation			20 points	
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)	
			from 51 to 60 points		6 (six) (E)	
			from 61 to 70 points		7 (seven) (D)	
			from 71 to 80 points		8 (eight) (C)	
			from 81 to 90 points		9 (nine) (B)	
			from 91 to 100 points		10 (ten) (A)	
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam			

19.	Teaching language	Macedonian or English
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process



1.	Course name	Physiology of pregnancy				
2.	Course code	ME411				
3.	Study program	Dentistry				
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry				
5.	Degree (first, second, third cycle)	First				
6.	Academic year / semester	Fourth year / seventh semester	7.	Number of credits according ECTS	2	
8.	Pre-requisites	No				
9.	Course goals: Introduction to obstetrics and gynecology; Principles and methods of testing; Ovarian and menstrual cycle; Sex hormones; Menstruation; Ovulation, fertilization, pregnancy diagnosis; Development of the fetus in the first trimester; Development and function of the placenta. Disruptions in the first half of pregnancy; Bleeding					
10.	Course contents: Childbirth: birth times,, situs, habitus, positio; Vaginal operative interventions (vacuum extractor, forceps); Delivery in breech presentation; Puerperium and its complications: bleeding, infection-sepsis, thrombosis, embolism, disorders of lactation - hipogalaktija, mastitis; Pediatric gynecology; Family planning and contraception; Inflammation of the genital organs of women; Infertility and sterility; Menopause and hormone replacement therapy; Benign tumors of the genital organs; Malignant tumors of the genital organs; Dysfunctional bleeding; Diseases of the Breast					
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.					
12.	Total available time for classes		2 ECTS * 30 = 60			
13.	Distribution of the available time		15+0+10+10+25			
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours	
		14.2.	Exercises (lab, auditory), seminars, team work		0 hours	
15.	Other forms of activities	15.1.	Projects		10 hours	
		15.2.	Independent work		10 hours	
		15.3.	Home studying		25 hours	
16.	Method of assessment					
	16.1.	Tests			60 points	
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points	
	16.3.	Activity and participation			20 points	
17.	Criteria for evaluation (scores/ rate)	to 50 points		5 (five) (F)		
		from 51 to 60 points		6 (six) (E)		
		from 61 to 70 points		7 (seven) (D)		
		from 71 to 80 points		8 (eight) (C)		
		from 81 to 90 points		9 (nine) (B)		
		from 91 to 100 points		10 (ten) (A)		
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam			
19.	Teaching language		Macedonian or English			
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process			

1.	Course name	Oral surgery 2			
2.	Course code	ST421			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fourth year/ eight semester	7.	Number of credits according ECTS	4
8.	Pre-requisites	No			
9.	Course goals: Demonstration of cases and discussion. Diagnosis, anaesthesia and extraction of teeth in patients. Incisions.				
10.	Course contents: Prevention and management of surgical complications. Basic pre prosthetic surgery. Implantology. Odontogenic infections. Complex odontogenic infections. Diseases of the maxillary sinus. Diseases of salivary glands. Endodontic surgery. Management of patients on radiotherapy.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		4 ECTS * 30= 120		
13.	Distribution of the available time		30+45+10+10+25		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		45hours
15.	Other forms of activities	15.1.	Projects		10 hours
		15.2.	Independent work		10 hours
		15.3.	Home studying		25 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	Clinical removable prosthodontics 2			
2.	Course code	ST422			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fourth year/8 semester	7.	Number of credits according ECTS	8
8.	Pre-requisites	No			
9.	Course goals: Demonstration of cases and discussion. Inclusion of students in diagnostics and therapy of partial edentulousness.				
10.	Course contents: Changes in the hard and soft oral tissues after partial loss of teeth; Planning the base and constituent elements of cast partial prostheses; Dental part of the partial prosthesis; Meaning, possibilities and procedures of milling; Modern retentions (telescopic crowns, magnets); Clinical procedure for making partial prostheses (analysis of RTG status, making a plan and making a prosthesis; Instructions for use and maintenance; Partial prosthesis reparation.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		8 ECTS * 30 = 240		
13.	Distribution of the available time		15+90+35+35+65		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		90 hours
15.	Other forms of activities	15.1.	Projects		35 hours
		15.2.	Independent work		35 hours
		15.3.	Home studying		65 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	Pediatric Dentistry 2			
2.	Course code	ST423			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fourth year / eighth semester	7.	Number of credits according ECTS	4
8.	Pre-requisites	passed exams Radiology and Pediatric Dentistry 1			
9.	Course goals: Endodontic treatment of young permanent teeth; Treatment of teeth with unfinished root growth; Care of traumatic injuries to the teeth on either dentition; Extraction of teeth from both dentition				
10.	Course contents: Oral pathology of soft tissue: lips, tongue, gums; Treating diseases of the oral soft tissues; Oral-surgical interventions in childhood; Traumatic injuries of deciduous tooth and permanent teeth and their care; Prosthetic care for children				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		4EKTS*30=120		
13.	Distribution of the available time		30+30+15+15+30		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30
		14.2.	Exercises (lab, auditory), seminars, team work		30
15.	Other forms of activities	15.1.	Projects		15
		15.2.	Independent work		15
		15.3.	Home studying		30
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name		Oral pathology			
2.	Course code		ST424			
3.	Study program		Dentistry			
4.	Organizer of the study program (unit, institute, department, division)		EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)		First			
6.	Academic year / semester		Fourth year/8th semester	7.	Number of credits according ECTS	4
8.	Pre-requisites		No			
9.	Course goals: Examination of healthy oral mucosa and comparison with inflamed oral mucosa;Diagnosis and assessment of oral mucosal diseases;Taking biopsy material for cytological and histopathological examinations, Interpretation and analysis of haematological, biochemical, immunological; Bacteriological and pathohistological findings and treatment plan for oral lesions.					
10.	Course contents: Anatomic and histological properties of the oral mucosa; Physiology of oral mucosa;Oral microflora and associations between microorganisms; Defense mechanisms of oral cavity; Histopathology of oral mucosa; Oral mucosa hereditary anomalies;The pathology and inflammatory changes in the tongue; The pathology and inflammatory changes in lips; Ulcerative, vesicular and bullous oral lesions; Recurrent oral ulcers; Chronic multiple oral lesions; Red and white lesions of oral cavity; Pigmented lesions of oral cavity;Salivary glands disorders; Systemic autoimmune diseases;Fungal infections; Viral infections and oral changes in in the context of HIV; Oral manifestations of hematologic and diseases; Oral manifestation in hormonal and metabolic disorders; Oral manifestations of gastrointestinal disorders ; Oral manifestation of poor nutrition and vitamins deficiencies ; Precancerous lesions.					
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.					
12.	Total available time for classes			4 ECTS * 30 = 120		
13.	Distribution of the available time			30+30+15+15+30		
14.	Forms of teaching activities	14.1.	Lectures - Theory			30 hours
		14.2.	Exercises (lab, auditory), seminars, team work			30 hours
15.	Other forms of activities	15.1.	Projects			15 hours
		15.2.	Independent work			15 hours
		15.3.	Home studying			30 hours
16.	Method of assessment					
	16.1.	Tests				60 points
	16.2.	Seminar works/ projects (presentation: oral and written)				20 points
	16.3.	Activity and participation				20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points			5 (five) (F)
			from 51 to 60 points			6 (six) (E)
			from 61 to 70 points			7 (seven) (D)
			from 71 to 80 points			8 (eight) (C)
			from 81 to 90 points			9 (nine) (B)
			from 91 to 100 points			10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam			

19.	Teaching language	Macedonian or English
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process

1.	Course name		Clinical Endodontics 1			
2.	Course code		ST425			
3.	Study program		Dentistry			
4.	Organizer of the study program (unit, institute, department, division)		EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)		First			
6.	Academic year / semester		Fourth year/ 8th semester	7.	Number of credits according ECTS	4
8.	Pre-requisites		No			
9.	Course goals: Study of the pathology of periapical tissue, types of inflammation and their therapy.					
10.	Course contents: Necrosis of the pulp; etiology, clinical picture, therapy; Paradontium: anatomy, histology, function; Etiology of periodontal inflammation; Acute periodontitis: pathohistology, clinical picture; Therapy of acute periodontitis; Chronic parodontitis: pathohistology, classification, clinical picture; Principles of treatment of chronic periodontitis; Endodontic complications; Reproduction processes after endodontic therapy; Whitening of teeth; Restoration of endodontically treated teeth.					
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.					
12.	Total available time for classes			4 ECTS * 30 = 120		
13.	Distribution of the available time			15+60+10+10+25		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours	
		14.2.	Exercises (lab, auditory), seminars, team work		60 hours	
15.	Other forms of activities	15.1.	Projects		10 hours	
		15.2.	Independent work		10 hours	
		15.3.	Home studying		25 hours	
16.	Method of assessment					
	16.1.	Tests			60 points	
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points	
	16.3.	Activity and participation			20 points	
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)	
			from 51 to 60 points		6 (six) (E)	
			from 61 to 70 points		7 (seven) (D)	
			from 71 to 80 points		8 (eight) (C)	
			from 81 to 90 points		9 (nine) (B)	
			from 91 to 100 points		10 (ten) (A)	
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam			
19.	Teaching language		Macedonian or English			
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process			

1.	Course name	Clinic orthodontics 1			
2.	Course code	ST426			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fourth year/VIII semester	7.	Number of credits according ECTS	3
8.	Pre-requisites	No			
9.	Course goals: To be able to distinguish between normal occlusion and malocclusion; To be able to classify malocclusions between and within the jaws, as well as categorise different malpositions of teeth; To understand different malocclusions their etiology, frequency and need for treatment.				
10.	Course contents: Classification of malocclusions; Angle classification of malocclusion; Malposition of single teeth; Irregularities of dental arches; Crowding and spacing in dental arches; Sagittal discrepancies between the jaws – bimaxillary protrusion, class II division 1, class II division 2, class III; Transversal discrepancies between the jaws – cross bite; Vertical discrepancies between the jaws – open and deep bite; Congenital syndromes associated with craniofacial anomalies; Cleft lip and palate; Biomechanics in orthodontics and tissue response to orthodontic and orthopedic tooth movement.				
11.	Learning methods: Method of oral presentation, method of problematic teaching, method of independent work and laboratory method.				
12.	Total available time for classes		3 ECTS * 30 = 90		
13.	Distribution of the available time		15+30+10+10+25		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		30 hours
15.	Other forms of activities	15.1.	Projects		10 hours
		15.2.	Independent work		10 hours
		15.3.	Home studying		25 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		



1.	Course name	Drawing			
2.	Course code	OO421			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fourth year / eighth semester	7.	Number of credits according ECTS	3
8.	Pre-requisites	No			
9.	Course goals: Students will acquire learning of traditional and contemporary drawing techniques.				
10.	Course contents: Drawing is a method of analyzing, visual interpretation and documentation of the world around us. Drawing is comprehension and understanding of what we see and a media for communicating what we feel. The goal of this subject is to gain drawing experience paractically and thorough familiarization with the methods and materials for drawing. This subject develops and trains the artistic eye. At the end of the subject the students will be able to define and visually represent certain forms of space, light, perspective, composition and form. They will recognize the visual elements such as structure, shape, size, contrast, rhythm and balance. They will practice using various drawing techniques such as: pencil, ink, guache, as well as use of different papers. In line with the contemporary trends, the students will gain experience using Adobe Illustrator and Adobe Photoshop.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		3 ECTS * 30 = 90		
13.	Distribution of the available time		15+0+20+20+35		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		0 hours
15.	Other forms of activities	15.1.	Projects		20 hours
		15.2.	Independent work		20 hours
		15.3.	Home studying		35 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)	to 50 points		5 (five) (F)	
		from 51 to 60 points		6 (six) (E)	
		from 61 to 70 points		7 (seven) (D)	
		from 71 to 80 points		8 (eight) (C)	
		from 81 to 90 points		9 (nine) (B)	
		from 91 to 100 points		10 (ten) (A)	

18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam
19.	Teaching language	Macedonian or English
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process

1.	Course name	Emergencies in dentistry			
2.	Course code	ST427			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fourth year/ eight semester	7.	Number of credits according ECTS	3
8.	Pre-requisites	No			
9.	Course goals: Demonstration of interventions on different emergency cases, depending on the severity of the cases.				
10.	Course contents: Emergencies in pediatric dentistry. Traumatic injuries of teeth. Acute pulpal and periodontal inflammations. Emergencies in endodontics. Acute and exacerbatet chronic pulpal inflammations. Acute and exacerbatet chronic periodontal inflammations. Complications after local anaesthesia (local and systemic). Iatrogenic complications of root canal therapy. Emergencies in parodontology and oral pathology. Acute periodontal absces. Acute cheilitis. Ulceronecrous gingivitis. Drug-induced alergic stomatitis. Acute metabolic, viral and traumatical caused lesions on the oral mucosa. Emergencies in oral surgery. Local and systemic complications after anaesthesia. Complications during tooth extraction. Acute odontogenic infection. Injuries of soft oral tussues. Emergencies in maxillofacial surgery. Odontogenic infections, phlegmon, empyema. Traumatic injuries of soft tissues of the face. Fractures of jaws and teeth. Fracture of middle third of the face. Bleeding (acute, secondary after trauma, post extracion). Nauralgia. Maxillar sinusitis.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		3ECTS * 30 = 90		
13.	Distribution of the available time		15+ 0+20+20+35		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		0 hours
15.	Other forms of activities	15.1.	Projects		20 hours
		15.2.	Independent work		20 hours
		15.3.	Home studying		35 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)

		from 91 to 100 points	10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam	
19.	Teaching language	Macedonian or English	
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process	

## **FIFTH STUDY YEAR**

1.	Course name	Maxillofacial surgery 1			
2.	Course code	ST511			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fifth year/Ninth semester	7.	Number of credits according ECTS	5
8.	Pre-requisites	No			
9.	Course goals: Demonstration of cases, discussion and practical execution of a given procedure				
10.	Course contents: Odontogenic cysts, Odontogenic tumors, Non-odontogenic benign tumors, Non-odontogenic malignant tumors, Surgical tretament of the jaw tumors; Etiology and clinical presentation of malignant diseases; Malignant neuplasms of the oral cavity; Surgical treatment of malignant tumors.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		5 ECTS * 30 = 150		
13.	Distribution of the available time		30+45+20+20+35		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		45 hours
15.	Other forms of activities	15.1.	Projects		20 hours
		15.2.	Independent work		20 hours
		15.3.	Home studying		35 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name		Clinical endodontics 2			
2.	Course code		ST512			
3.	Study program		Dentistry			
4.	Organizer of the study program (unit, institute, department, division)		EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)		First			
6.	Academic year / semester		Fifth year/ 9th semester	7.	Number of credits according ECTS	5
8.	Pre-requisites		None			
9.	Course goals: Diagnosis of pulp inflammation and treatment by the use of all endodontic therapeutic methods. Diagnosis of periodontal inflammation; Treatment of teeth.					
10.	Course contents Endodontics studies the diseases of the dental pulp and apex paradontium and their treatment.					
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.					
12.	Total available time for classes			5 EKTC * 30 = 150		
13.	Distribution of the available time			30+45+20+20+35		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours	
		14.2.	Exercises (lab, auditory), seminars, team work		45 hours	
15.	Other forms of activities	15.1.	Projects		20 hours	
		15.2.	Independent work		20 hours	
		15.3.	Home studying		35 hours	
16.	Method of assessment					
	16.1.	Tests			60 points	
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points	
	16.3.	Activity and participation			20 points	
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)	
			from 51 to 60 points		6 (six) (E)	
			from 61 to 70 points		7 (seven) (D)	
			from 71 to 80 points		8 (eight) (C)	
			from 81 to 90 points		9 (nine) (B)	
			from 91 to 100 points		10 (ten) (A)	
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam			
19.	Teaching language		Macedonian or English			
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process			

1.	Course name	Clinic orthodontics 2			
2.	Course code	ST513			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fifth year/ IX semester	7.	Number of credits according ECTS	4
8.	Pre-requisites	none			
9.	Course goals: To be able to distinguish between preventive and interceptive orthodontic procedures; To learn planning orthodontic therapy for different malocclusions; To elaborate the materials and instruments used in everyday orthodontic practice; To work with patients with orthodontic anomalies and different appliances.				
10.	Course contents: Preventive orthodontics; Interceptive orthodontics; Orthodontic therapy planning; Extraction of the teeth in orthodontics; Orthodontic therapy; Removable appliances; Functional orthodontic therapy; Fixed orthodontic therapy; Orthopaedic appliances; Therapy of different malocclusions; Therapy of impacted teeth; Surgical procedures in orthodontics; Interdisciplinary work in orthodontics; Relapse and retention in orthodontics.				
11.	Learning methods: Method of oral presentation, method of problematic teaching, method of independent work and laboratory method.				
12.	Total available time for classes		4 ECTS * 30 = 120		
13.	Distribution of the available time		15+30+20+20+35		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		30 hours
15.	Other forms of activities	15.1.	Projects		20 hours
		15.2.	Independent work		20 hours
		15.3.	Home studying		35 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		



1.	Course name	Periodontology 1			
2.	Course code	ST514			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fifth year/ninth semester	7.	Number of credits according ECTS	7
8.	Pre-requisites	None			
9.	Course goals: Introduction to clinical periodontology: medical and dental history, examination, periodontal radiography analysis, diagnosis, introducing the patient with the importance of eliminating dental calculus, motivating the patient to maintain proper oral hygiene, learning the instruments and dental appliances for eliminating dental calculus and dental calculus removal techniques .				
10.	Course contents: Anatomy and histology of the periodontal tissues; Origin,composition and biochemical features of saliva; Functions of saliva; Etiology of periodontal disease; Dental plaque; Mineralization of dental plaque; Accessory local and systemic etiological factors of periodontal disease; Pathogenesis of periodontal disease; Defense mechanism of periodoncium; Epidemiology and clinical indices of gingival and periodontal disease				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		7 ECTS * 30 = 210		
13.	Distribution of the available time		30+75+25+25+55		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		75 hours
15.	Other forms of activities	15.1.	Projects		25 hours
		15.2.	Independent work		25 hours
		15.3.	Home studying		55 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)	to 50 points		5 (five) (F)	
		from 51 to 60 points		6 (six) (E)	
		from 61 to 70 points		7 (seven) (D)	
		from 71 to 80 points		8 (eight) (C)	
		from 81 to 90 points		9 (nine) (B)	
		from 91 to 100 points		10 (ten) (A)	
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	Clinical fixed prosthodontics 1			
2.	Course code	ST515			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fifth year/ IX semestar	7.	Number of credits according ECTS	7
8.	Pre-requisites	No			
9.	Course goals: The program for dental fixed prosthodontics studies teaches students about the basic biomedical and technological knowledge and skills that are based on the clinical work of the prosthetic therapy of damaged and / or lost teeth in partial teeth loss. This program encourages students' abilities by analyzing the existing situation and by choosing the most appropriate fixed therapy to gain orientation in the prophylaxis and therapy of the stomatognathological system.				
10.	Course contents: Diagnosis and treatment plan; Indications and contraindications for making crowns and conditions for their preparation; Instruments and apparatus for the preparation of the abbatment; Preparation ofthe abbatment(types, border); Protection of the prepared tooth; Types of imprants; Determination of a intermaxillary relationship; Fixed construction test; Cementation temporarily and permanently; Preparations, imprants and embossing of Ritchmond crowns, inlay core and other alternative crowns.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		7 ECTS * 30 = 210		
13.	Distribution of the available time		15+90+25+25+55		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		90 hours
15.	Other forms of activities	15.1.	Projects		25 hours
		15.2.	Independent work		25 hours
		15.3.	Home studying		55 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		

19.	Teaching language	Macedonian or English
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process

1.	Course name	Ophthalmology			
2.	Course code	ME511			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fifth year/ninth semester	7.	Number of credits according ECTS	2
8.	Pre-requisites	none			
9.	Course goals: Acquiring basic knowledge and skills in ophthalmology				
10.	Course contents: 1. Physiology and pathology of: Ocular adnexa, Lacrimal glands and lacrimal drainage system, Conjunctiva, Cornea, Sclera, Uvea, Lens, Retina, Choroid and Orbit 2. Glaucoma 3. Ocular and adnexal tumors 4. Ocular and adnexal trauma				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		2 ECTS x30=60		
13.	Distribution of the available time		15+15+8+8+14		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		15 hours
15.	Other forms of activities	15.1.	Projects		8 hours
		15.2.	Independent work		8 hours
		15.3.	Home studying		14 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	<b>Photography</b>			
2.	Course code	OO511			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fifth year/ ninth semester	7.	Number of credits according ECTS	2
8.	Pre-requisites	none			
9.	Course goals: To gain knowledge and experience of basic photographic techniques and to raise awareness of importance of photography in contemporary life.				
10.	Course contents: Students work in traditional and digital photography processes and develop necessary technical and aesthetic skills. The subject focuses on the creative use of cameras, as well as on the content and conceptual aspects of photography. The course is designed to emphasize both technical training and the development of visual perception in order to enable development of the ability to use the medium in a self-confident and effective manner, to develop the ability to "see" and "talk" about photography, as well as to develop their creativity and imagination.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		2 ECTS x 30= 60		
13.	Distribution of the available time		15+15+8+8+14		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		15 hours
15.	Other forms of activities	15.1.	Projects		8 hours
		15.2.	Independent work		8 hours
		15.3.	Home studying		14 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)	to 50 points			5 (five) (F)
		from 51 to 60 points			6 (six) (E)
		from 61 to 70 points			7 (seven) (D)
		from 71 to 80 points			8 (eight) (C)
		from 81 to 90 points			9 (nine) (B)
		from 91 to 100 points			10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	Maxillofacial surgery 2			
2.	Course code	ST521			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fifth year/tenth semester	7.	Number of credits according ECTS	5
8.	Pre-requisites	None			
9.	Course goals: Practical classes will follow the theoretical: Demonstration of cases and discussion. Practical performance of the given procedure.				
10.	Course contents: Trauma of soft tissue and danealveolar complex, trauma of the facial bones, diseases and therapy of problems of the temporomandibular joint, cleft lips, alveolus and palate, dental deformities and correction, facial neuropathy, differential diagnosis and biopsy				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		5 ECTS * 30 = 150		
13.	Distribution of the available time		30+45+20+20+35		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 hours
		14.2.	Exercises (lab, auditory), seminars, team work		45 hours
15.	Other forms of activities	15.1.	Projects		20 hours
		15.2.	Independent work		20 hours
		15.3.	Home studying		35 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	Periodontology 2			
2.	Course code	ST522			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fifth year/Tenth semester	7.	Number of credits according ECTS	6
8.	Pre-requisites	None			
9.	Course goals:Students have a practical approach to the diagnosis and treatment of periodontal disease				
10.	Course contents: Types of gum disease; Diagnosis, prognosis and treatment plan; Therapy of periodontal disease; Preliminary phase of periodontal therapy ; Non-surgical phase of periodontal therapy; Antimicrobial therapy; Occlusion therapy; Indications for periodontal surgery; Surgical treatment of mucogingival alterations; Augmentation of attached gingiva; Therapy methods for gingival recession; Treatment protocols for peri-implantitis; Focal infections; Consecutive diseases; Diagnosis of focal infections with non-specific and specific tests; Contemporary concepts of focal infections.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		6 ECTS * 30 = 180		
13.	Distribution of the available time		30+60+25+25+40		
14.	Forms of teaching activities	14.1.	Lectures - Theory		30 classes
		14.2.	Exercises (lab, auditory), seminars, team work		60 classes
15.	Other forms of activities	15.1.	Projects		25 classes
		15.2.	Independent work		25 classes
		15.3.	Home studying		40 classes
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	Clinical Fixed prosthodontics 2			
2.	Course code	ST523			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fifth year X semester	7.	Number of credits according ECTS	7
8.	Pre-requisites	No			
9.	Course goals: biomedical and technological knowledge and skills that are based on the clinical work of prosthodontic therapy of damaged teeth and partial tooth loss. This program encourages students' abilities by analyzing the current situation and by choosing the most appropriate fixed prosthodontic therapy to attain orientation in the prophylaxis and the stomatognathic system therapy.				
10.	Course contents: Biological basis of dental bridge constructions; Abutment teeth of bridge structures; Indications and contraindications, advantages and disadvantages of dental bridge constructions; Parameters for the parodontium estimating of the abutment teeth and the soft and hard tissue under the body of the bridge; Statics and forces acting on the bridge; Dental preparations for bridge construction and specifics; Types of protection of abutment teeth; Trial and corrections of metal construction in relation to gingiva, contact points, articulation; Cementing bridges (temporary and permanent)				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		7 ECTS * 30 = 210		
13.	Distribution of the available time		15+90+25+25+55		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		90 hours
15.	Other forms of activities	15.1.	Projects		25 hours
		15.2.	Independent work		25 hours
		15.3.	Home studying		50 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)	to 50 points			5 (five) (F)
		from 51 to 60 points			6 (six) (E)
		from 61 to 70 points			7 (seven) (D)
		from 71 to 80 points			8 (eight) (C)
		from 81 to 90 points			9 (nine) (B)
		from 91 to 100 points			10 (ten) (A)



18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam
19.	Teaching language	Macedonian or English
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process

1.	Course name	Forensic Medicine			
2.	Course code	ME521			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fifth year/ tenth semester	7.	Number of credits according ECTS	2
8.	Pre-requisites	None			
9.	Course goals: Introducing students with the elements of protecting the psychic and physical integrity of each person, in which medicine and law intertwine. Mastering the skills of practical application of acquired knowledge in practice. Critical Thinking Development.				
10.	Course contents:Death, types of death, agony. Probable and reliable signs of death. Mechanical injuries. Burnt injuries. Cutting wounds. Bottles. Injuries caused by low and high fever. Injuries caused by natural and technical electricity. Strangulation and compressive asphyxia. Sophocative asphyxia. Chemical Injuries. Drugs. Identification through dentures and facial bones. Vitasexuals. Sexual offenses. Expertise and expert. Classification of bodily injuries. Criminal legal responsibility of the doctor and dental problems.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		2 EKTC*30=60		
13.	Distribution of the available time		15+15+8+8+14		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		15 hours
15.	Other forms of activities	15.1.	Projects		8 hours
		15.2.	Independent work		8 hours
		15.3.	Home studying		14 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	Aesthetics in dentistry			
2.	Course code	ST525			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fifth year/ tenth semester	7.	Number of credits according ECTS	2
8.	Pre-requisites	None			
9.	Course goals: The practical education follows the content of the theoretical education. The students are actively involved in the practical performance of aesthetical interventions in the field of restorative odontology, orthodontics and prosthodontics.				
10.	Course contents: Restorative odontology: Aesthetical reconstruction of very damaged teeth; Aesthetical sollutions for hypoplastic teeth, fluorosis, microdontics; correction of diastemas and fractured teeth crowns, Whitening of vital teeh; Aesthetic sollutions for discolored avital teeth, orthodontic correction of jaw and teeth anomalies; surgical correction of cheiloschisis; protrusion; progenia, prosthodontic correction of very damaged teeth, toothless spaces.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		2 ECTS * 30 = 60		
13.	Distribution of the available time		15+15+8+8+14		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		15 hours
15.	Other forms of activities	15.1.	Projects		8 hours
		15.2.	Independent work		8 hours
		15.3.	Home studying		14 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)
			from 71 to 80 points		8 (eight) (C)
			from 81 to 90 points		9 (nine) (B)
			from 91 to 100 points		10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam		Scored 60 % of the points from the two colloquiums or the written exam		
19.	Teaching language		Macedonian or English		
20.	Evaluation methods		Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process		

1.	Course name	An Introduction to Law			
2.	Course code	OO521			
3.	Study program	Dentistry			
4.	Organizer of the study program (unit, institute, department, division)	EURM - Faculty of dentistry			
5.	Degree (first, second, third cycle)	First			
6.	Academic year / semester	Fifth year/tenth semester	7.	Number of credits according ECTS	2
8.	Pre-requisites	/			
9.	Course goals: This subject is exceptional in the sense that it provides an introduction to law in general rather than the law of one specific jurisdiction, and it presents a unique way of looking at legal education. It is crucial for lawyers to be aware of the different ways in which societal problems can be solved and to be able to discuss the advantages and disadvantages of different legal solutions. In this respect, being a lawyer involves being able to reason like a lawyer, even more than having detailed knowledge of particular sets of rules. Introduction to Law reflects this view by focusing on the functions of rules and on ways of arguing the relative qualities of alternative legal solutions. Where ‘positive’ law is discussed, the emphasis is on the legal questions that must be addressed by a field of law and on the different solutions which have been adopted by, for instance, the common law and civil law tradition. The law of specific jurisdictions is discussed to illustrate possible answers to questions such as when the existence of a valid contract is assumed.				
10.	Course contents: Law and society: Analyzing law, Authority and obedience to law, Law and society: consensus or conflict? Law and morality: The social definition of law and morality, Morality and the law, Censorship, The legislation of morality. Law and the regulation of economic activity. Some important legal concepts: Rights and duties: problems of analyzing legal concepts, Human rights and the Human Act 1998, Legal rights, legal duties and legal remedies, Legal personality. Law and property. Law and the settlement of disputes. The making of legal rules. The European dimension of English law. Liability in English law: the law of tort. The development and the role of the contract. Law and government. The legal profession. The judges.				
11.	Learning methods: Method of oral presentation, method of problematic teaching method of independent work and laboratory method.				
12.	Total available time for classes		2 ECTS * 30 = 60		
13.	Distribution of the available time		15+15+8+8+14		
14.	Forms of teaching activities	14.1.	Lectures - Theory		15 hours
		14.2.	Exercises (lab, auditory), seminars, team work		15 hours
15.	Other forms of activities	15.1.	Projects		8 hours
		15.2.	Independent work		8 hours
		15.3.	Home studying		14 hours
16.	Method of assessment				
	16.1.	Tests			60 points
	16.2.	Seminar works/ projects (presentation: oral and written)			20 points
	16.3.	Activity and participation			20 points
17.	Criteria for evaluation (scores/ rate)		to 50 points		5 (five) (F)
			from 51 to 60 points		6 (six) (E)
			from 61 to 70 points		7 (seven) (D)

		from 71 to 80 points	8 (eight) (C)
		from 81 to 90 points	9 (nine) (B)
		from 91 to 100 points	10 (ten) (A)
18.	Conditions for getting the sign and passing the final exam	Scored 60 % of the points from the two colloquiums or the written exam	
19.	Teaching language	Macedonian or English	
20.	Evaluation methods	Evaluation of the students knowledge in the particular field, according to the Article 107 from the Law for higher education, is carried out continuously during the educational process	