FACULTY OF ODONTOLOGY

A. GENERAL DESCRIPTION OF THE FACULTY

FACULTY COORDINATOR

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STRUCTURE AND ORGANISATION OF THE FACULTY

The history of Faculty of Odontology started from 1922 when Section of Stomatology was established, and later in 1951, it was reorganized into the Faculty of Stomatology and Pharmacy. In 1968, the Faculty of Stomatology and Pharmacy was divided into two separate faculties. In 2003, it was renamed into Faculty of Odontology. Studies for students are provided at five clinics of the Faculty of Odontology as well as at the departments of the other University Faculties. At present, the number of full-time and part-time faculty members at the Faculty of Odontology is more than 90, including 11 associate professors and 5 professors. Nearly 800 students study at the Faculty of Odontology, including 90 international students.

Research activities go in the following directions: prevention of oral diseases, pathogenesis of periodontal diseases, methods of early diagnosis and control of dental caries and periodontal diseases, aetiology, diagnosis and treatment of traumas and inflammations of the facial nerve, epidemiology and evaluation risk factor of malocclusions. Students are provided with working places in order to acquire practical skills. Equipment of these working places corresponds to that of a dental office.

DEPARTMENTS OF FACULTY OF ODONTOLOGY

OF/DBL Clinic of Dental and Oral Pathology
OF/VŽ Clinic of Maxillofacial Surgery
OF/ORD Clinic of Orthodontics
OF/DŽO Clinic of Dental and Maxillary Orthopaedics
OF/VOK Clinic of Oral Health and Paediatric Odontology

LIST OF DEGREE PROGRAMMES

Undergraduate studies last 5 years and consist of 200 KMU credits (this corresponds to 300 ECTS credits). After graduation, students obtain Master’s degree and professional qualification of doctor odontologist. In order to get licence for independent practice the students are obliged to undergo one year of training in general dentistry. During this course practical skills in dental practice are acquired as well as theoretical knowledge of pathology, diagnosis and treatment of the most common oral diseases is extended. The graduates are granted the licence of general dental practitioner.

The further step in postgraduate education can be offered as a specialised course for different dental specialities such as oral surgery, prosthetic dentistry, endodontics, periodontology, orthodontics, and paediatric dentistry. Duration of postgraduate education is 3 years, and the postgraduate specialisation in maxillofacial surgery takes two additional years.

METHODS OF TEACHING, LEARNING AND ASSESSMENT

Teaching and learning consists of lectures, seminars, practical sessions and self-studies. The number of credits and forms of studies vary according to individual course units and they are described in these chapters below as well as assessment.

EVALUATION SCALE

Comparison of ECTS and Faculty of the Odontology evaluation scales is given in Table.
### ECTS Grades vs KMU Grades at the Faculty of Dentistry

<table>
<thead>
<tr>
<th>ECTS Grades</th>
<th>KMU Grades at the Faculty of Dentistry</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent 10</td>
</tr>
<tr>
<td>B</td>
<td>Very good 9</td>
</tr>
<tr>
<td>C</td>
<td>Good 8</td>
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<tr>
<td>D</td>
<td>Satisfactory 7</td>
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<tr>
<td>E</td>
<td>Sufficient 6 and 5</td>
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<td>FX and F</td>
<td>Fail 4</td>
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</table>

### B. Degree Structure

#### Study Plans

#### First year 1st semester

<table>
<thead>
<tr>
<th>NO.</th>
<th>COURSE CODE</th>
<th>SUBJECT</th>
<th>KMU CREDITS</th>
<th>ECTS CREDITS</th>
<th>ASSESSMENT</th>
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<tbody>
<tr>
<td>1.</td>
<td>MF/BIO/O-V03, MF/BIO/O-U03</td>
<td>Cytology. Parasitology</td>
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<td>4.5</td>
<td>Examination</td>
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<tr>
<td>2.</td>
<td>MF/FMB/O-V07, MF/FMB/O-U02*</td>
<td>Medical Physics</td>
<td>2</td>
<td>3</td>
<td>Examination</td>
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<td>3.</td>
<td>MF/BCM/O-V06, MF/BCM/O-U01*</td>
<td>Chemistry</td>
<td>2</td>
<td>3</td>
<td>Examination</td>
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<tr>
<td>4.</td>
<td>MF/ANI/O-V04, MF/ANI/O-U05*</td>
<td>Human Anatomy</td>
<td>3</td>
<td>4.5</td>
<td>Credit test</td>
</tr>
<tr>
<td>5.</td>
<td>VSF/FES/O-V33</td>
<td>Philosophy of Medicine</td>
<td>3</td>
<td>4.5</td>
<td>Examination</td>
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<tr>
<td>6.</td>
<td>MF/KEK/O-V13, (MF/KEK/O-U01)</td>
<td>Professional Language Module</td>
<td>2</td>
<td>3</td>
<td>Credit test</td>
</tr>
<tr>
<td></td>
<td>(MF/KEK/O-V12)</td>
<td>(Latin for foreign students)</td>
<td>(1)*</td>
<td>(1.5)*</td>
<td>(Credit test)</td>
</tr>
<tr>
<td></td>
<td>(MF/KEK/O-U02)*</td>
<td>(Professional foreign language)</td>
<td>(3)*</td>
<td>(4.5)*</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>Elective courses</td>
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<td>5</td>
<td>7.5</td>
<td>Credit test</td>
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<td>TOTAL</td>
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#### First year 2nd semester

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<th>NO.</th>
<th>COURSE CODE</th>
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<th>ECTS CREDITS</th>
<th>ASSESSMENT</th>
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<td>1.</td>
<td>MF/BCM/O-V01, MF/BCM/O-U05*</td>
<td>Biochemistry</td>
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<td>2.</td>
<td>MF/HIS/O-V01, MF/HIS/O-U04*</td>
<td>Human Histology-Embryology</td>
<td>2</td>
<td>3</td>
<td>Credit test</td>
</tr>
<tr>
<td>3.</td>
<td>MF/ANI/O-U05*</td>
<td>Human Anatomy</td>
<td>2</td>
<td>3</td>
<td>Examination</td>
</tr>
<tr>
<td>4.</td>
<td>MF/FMB/O-V08, MF/FMB/O-U01*</td>
<td>Basics of Statistics and Informatics</td>
<td>2</td>
<td>3</td>
<td>Examination</td>
</tr>
<tr>
<td>5.</td>
<td>VSF/FES/O-V23</td>
<td>Medical Ethics</td>
<td>2</td>
<td>3</td>
<td>Examination</td>
</tr>
<tr>
<td>6.</td>
<td>MF/KEK/O-V13, (MF/KEK/O-U01)</td>
<td>Professional Language Module</td>
<td>2 (4)*</td>
<td>3 (6)*</td>
<td>Credit test</td>
</tr>
<tr>
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<td>(1)*</td>
<td>(1.5)*</td>
<td>(Credit test)</td>
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<tr>
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<td>(MF/KEK/O-U02)*</td>
<td>(Professional foreign language)</td>
<td>(3)*</td>
<td>(4.5)*</td>
<td>(Examination)</td>
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<tr>
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<td>12 (9)*</td>
<td>Credit test</td>
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<td>TOTAL</td>
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<td>30</td>
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</table>

*for foreign students

### CYTOLOGY. PARASITOLOGY

**Course code:** MF/BIO/O-V03, MF/BIO/O-U03

**Teaching staff:** Institute of Biology

**Number of credits:** KMU – 3, ECTS – 4.5

**Prerequisites:** None

**Objective of the course:** Molecular basis of life. Interrelation of cell parts. Regulatory mechanisms. Human parasites: morphology, life cycle, ways of transmission, harmful effects, laboratory diagnosis, preventive measures.


Teaching methods: Lectures (34 hrs), practical work (56 hrs), independent work (40 hrs)
Assessment methods: Examination
Language: Lithuanian or English

MEDICAL PHYSICS

Course code: MF/FMB/O-V07, MF/FMB/O-U02
Teaching staff: Department of Physics, Mathematics and Biophysics
Number of credits: KMU – 2, ECTS – 3
Prerequisites: None
Objective of the course: To introduce students to physical background of processes appearing in human body and physical basis of modern diagnostic and therapy methods in medicine.
Teaching methods: Lectures (20 hrs), practical work (40 hrs), independent work (16 hrs)
Assessment methods: Examination
Language: Lithuanian or English

CHEMISTRY

Course code: MF/BCM/O-V06, MF/BCM/O-U01
Teaching staff: Department of Biochemistry
Number of credits: KMU – 2, ECTS – 3
Prerequisites: None
Objective of the course: The aim of the studies is to present knowledge of bioorganic and physical chemistry, discussing the main compounds, phenomena, principles and reactions on human metabolism. The main goal is to form an understanding that the principles, which are determined in vitro, are basic in understanding them in vivo, taking into account their specificity and integration.
Teaching methods: Lectures (28 hrs), practical work (32 hrs), independent work (16 hrs)
Assessment methods: Examination
Language: Lithuanian or English

HUMAN ANATOMY
Course code: MF/ANI/O-V04, MF/ANI/O-U05
Teaching staff: Institute of Anatomy
Number of credits: 1st semester: KMU – 3, ECTS – 4.5
2nd semester: KMU – 2, ECTS – 3
Prerequisites: None
Objective of the course: The target of anatomy studies is to acquire the necessary knowledge of the human body, developing a deeper insight in the systems of organs and the structure of organs. In the 1st semester - gross anatomy of the locomotive apparatus (bones, joints and muscles) and the organs of digestion. In the 2nd semester the study is done of the organs of the respiratory, urogenital, reproductive and nervous systems, cranial nerves and sensory organs and systems.
Course content: In lectures, discussions are carried out on the most general theoretical questions related to the locomotive apparatus, on the structure and functions of inner organs, cardiovascular and nervous systems disclosing their importance to vital activity humans. In tutorials, using Latin nomenclature, students are taught to identify, indicate, and define constituent parts of the skeleton: copulas (ligaments and junctions), muscles and fascias, inner organs, blood vessels, nerves, cerebral and spinal cord system, parts of the sensory system. Particular attention is paid to the organs and tissues of the cervical region, to the walls of the oral cavity, to the structure of organs of the mouth, its vascularization and innervation.
Recommended reading:
Teaching methods: Lectures (44 hrs), practical work (106 hrs), independent work (50 hrs)
Assessment methods: 1st semester: credit test, 2nd semester: examination
Language: Lithuanian or English

PROFESSIONAL LANGUAGE MODULE

COMPULSORY COURSE

Course code: MF/KEK/O-V12, MF/KEK/O-V13
Teaching staff: Department of Languages and Education
Number of credits: KMU – 4, ECTS – 6
Prerequisites: None
Objective of the course: To teach students to use Latin terminology, necessary for the physician’s professional activity. To further develop students’ foreign language skills in their professional area and to teach them scientific style of the particular language.
Course contents:
1. The subject of basics of Latin medical terminology includes basics of the Latin language and word formation elements as well as medical vocabulary; its use in diagnosis making, prescription writing and scientific texts that are necessary for the understanding of terminology and studies, and the use of qualified professional terminology.
2. The subject of professional foreign language (English, German, French, Russian) includes the basic grammar aspects used in scientific literature, the word formation elements of medical language, vocabulary typical of scientific and spoken language.
Recommended reading:
English
2. English basic vocabulary for students of stomatology (compiled by J. Čiukšienė). Kaunas.

Deutsch

French

**Latin**


**Russian**

1. Э. Г. Шавердьян. Учебник русского языка, Москва, 1975.

**Teaching methods:**

Class work (180 hrs), independent work (60 hrs)

**Assessment methods:**

1st semester - credit test, 2nd semester - examination

**Language:**

Lithuanian

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**LATIN FOR FOREIGN STUDENTS**

**COMPULSORY COURSE**

**Course code:** MF/KEK/O-U03
**Teaching staff:** Department of Languages and Education
**Number of credits:**

1st semester: KMU – 1, ECTS – 1.5
2nd semester: KMU – 1, ECTS – 1.5

**Prerequisites:** None

**Objective of the course:**

Acquisition of the competence of the usage of international professional terminology in Latin.

**Course contents:**

Phonetics (pronunciation, accentuation); morphology: noun (declensions, stems, genders, and translation and usage of cases); adjective (declensions, groups, genders, degrees of comparison, agreement with nouns, translation, and usage); verb (conjugations, stems, mood, tenses, types), numeral, particle, adverb, preposition, their usage and translation; syntax: the structure of a Latin sentence, the attributive and the determinative. The structure of an anatomical term: Greek and Latin word formation elements (prefixes, suffixes, frequentative ranges); Latin medical (anatomical, clinical, pharmaceutical), social, etc. vocabulary (approximately 600 units) and its usage in diagnostics, prescriptions, scientific, and business texts.

**Recommended reading:**


**Teaching methods:**

Class work (180 hrs), independent work (60 hrs)

**Assessment methods:**

1st semester - credit test, 2nd semester - examination

**Language:** English

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**LITHUANIAN FOR FOREIGN STUDENTS**

**COMPULSORY COURSE**

**Course code:** MF/KEK/O-U02
**Teaching staff:** Department of Languages and Education
**Number of credits:**

1st semester: KMU – 3, ECTS – 4.5
2nd semester: KMU – 3, ECTS – 4.5
3rd semester: KMU – 2, ECTS – 3

**Prerequisites:** None

**Objective of the course:**

To teach students to understand the language aurally, to express thoughts and exchange information in Lithuanian verbally and in written, to read, translate, and retell simple texts.

**Course contents:**

The teaching course of the Lithuanian language consists of three closely related stages. At first the students are familiarized with the sound and letter system of the Lithuanian language, they form the basic skills of reading, writing, translation, listening, and speaking skills; later on the studies focus on more complex grammar material. In addition to grammar, students continuously enrich their vocabulary, develop their spoken language skills, learn Lithuanian
medical lexis, read popular literature on medicine, retell various texts, and discuss various topics.

**Recommended reading:**

**Teaching methods:**
Practical works (258 hrs), independent work (62 hrs)

**Assessment methods:**
1st semester – credit test, 2nd semester – examination, 3rd semester – credit test

**Language:**
English

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**BIOCHEMISTRY**

**COMPULSORY COURSE**

**Course code:**
MF/BCM/O-V01 or MF/BCM/O-U05

**Teaching staff:**
Department of Biochemistry

**Number of credits:**
2nd semester: KMU – 2, ECTS – 3
3rd semester: KMU – 2, ECTS – 3

**Prerequisites:**
None

**Objective of the course:**
To provide odontology students with the knowledge necessary for the understanding biochemical processes proceeding in human organism, and features of metabolism in bone, dental tissues and saliva.

**Course content:**

**Recommended reading:**

**Teaching methods:**
Lectures (46 hrs), practical works (74 hrs), independent work (40 hrs)

**Assessment methods:**
2nd semester: credit test, 3rd semester: examination

**Language:**
Lithuanian or English

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**HISTOLOGY AND EMBRYOLOGY**

**COMPULSORY COURSE**

**Course code:**
MF/HIS/O-V01 or MF/HIS/O-U04

**Teaching staff:**
Department of Histology and Embryology

**Number of credits:**
2nd semester: KMU – 2, ECTS – 3
3rd semester: KMU – 2, ECTS – 3

**Prerequisites:**
None

**Objective of the course:**
To acquire knowledge of microscopic and ultramicroscopic structure of the human body, to study the structure of the tissues and organs of the oral cavity.

**Course content:**
Duration of this course is 4 weeks in the 1st year (2nd semester). Students study embryology, general histology and part of the special histology (nerve system and sense organs); they discuss about development of the embryo and fetus, the consistent patterns of the structure and development of the tissues, the peculiarities of the tissues regeneration. Students should take 3 colloquiums and at the end of this course is credit test. Second part of this course lasts four weeks in the 2nd year (3rd semester). Students study special histology; the structure and development of the head, face and organs of the oral cavity; possibilities of the regeneration of the tissues. Students should take 3 colloquiums and at the end of course is final examination (material from studies of 1st and 2nd year).

**Recommended reading:**

**Teaching methods:** Lectures (30 hrs), practical works (90 hrs), independent work (40 hrs)
**Assessment methods:** 2nd semester: credit test, 3rd semester: examination
**Language:** Lithuanian or English

## BASICS OF STATISTICS AND COMPUTER SCIENCE

**Course code:** MF/FMB/O-V08 or MF/FMB/O-U01
**Teaching staff:** Department of Physics, Mathematics and Biophysics
**Number of credits:** KMU – 2, ECTS – 3
**Prerequisites:** None

**Objective of the course:** To seek that student would be qualified user of formation technologies, computer programmes of statistical data analysis, and that he/she would know the basics of scientific work organization and planning.


**Recommended reading:**

**Teaching methods:** Lectures (20 hrs), practical works (40 hrs), seminars (4 hrs), independent work (16 hrs)
**Assessment methods:** Examination
**Language:** Lithuanian or English

## MEDICAL ETHICS

**Course code:** VSF/FES/O-V23
**Teaching staff:** Department of Philosophy and Social Sciences
**Number of credits:** KMU – 2, ECTS – 3
**Prerequisites:** None

**Objective of the course:** To develop critical perception of moral and legal decision-making as well as abilities to find and formulate ethical problems in the context of health care.


**Recommended reading:**

**Teaching methods:** Lectures (30 hrs), seminars (24 hrs), independent work (26 hrs)
**Assessment methods:** Examination
**Language:** Lithuanian

### Elective Courses

<table>
<thead>
<tr>
<th>No.</th>
<th>Course code</th>
<th>Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>MF/BCH/O-V06</td>
<td>First Medical Aid</td>
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<tr>
<td>2.</td>
<td>MF/BCM/O-V03</td>
<td>Chemistry of Biological Structures</td>
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<td>MF/BCM/O-U03*</td>
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<tr>
<td>3.</td>
<td>MF/BIO/O-V02</td>
<td>Essential Genetics</td>
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<td>MF/BCH/O-V06</td>
<td>FIRST MEDICAL AID</td>
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<tr>
<td>MF/BIO/O-V02</td>
<td>CHEMISTRY OF BIOLOGICAL STRUCTURES</td>
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<tr>
<td>MF/FMB/O-U05*</td>
<td>PHYSICS OF ULTRASOUND DIAGNOSTICS</td>
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<td>MF/FMB/O-V06</td>
<td>INFORMATICS AND COMPUTERS</td>
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<td>MF/KEK/O-V07</td>
<td>INTRODUCTION TO STUDIES</td>
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<td>SLF/KSM/O-V05</td>
<td>HEALTH PROMOTION</td>
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<td>SPORTS GAMES IN HEALTH PROMOTION</td>
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<td>SLF/SLK/O-V02</td>
<td>FUNDAMENTALS AND PRACTICE OF NURSING</td>
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<td>VSF/FES/O-V32</td>
<td>THE FOUNDATIONS OF SPIRITUALITY</td>
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<td>VSF/PMK/O-V04</td>
<td>PHILOSOPHY OF EDUCATION</td>
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<tr>
<td>VSF/SMK/O-V02</td>
<td>HISTORY OF MEDICINE AND ODONTOLOGY</td>
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</tr>
<tr>
<td>VSF/SMK/O-U02*</td>
<td></td>
<td></td>
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</table>

*for foreign students

**FIRST MEDICAL AID**

**Course code:** MF/BCH/O-V06  
**Teaching staff:** Clinic of General Surgery  
**Number of credits:** KMU – 1, ECTS – 1.5  
**Objective of the course:** To train the students to provide efficient first aid for wounds, bites, bleeding and thermal injuries.  
**Teaching methods:** Practical works (28 hrs), seminars (8 hrs), independent work (10 hrs)  
**Assessment methods:** Credit test  
**Language:** Lithuanian

**CHEMISTRY OF BIOLOGICAL STRUCTURES**

(SEE COURSE DESCRIPTION AT THE FACULTY OF MEDICINE)

**ESSENTIAL GENETICS**

**Course code:** MF/BIO/O-V02  
**Teaching staff:** Institute of Biology  
**Number of credits:** KMU – 2, ECTS – 3  
**Prerequisites:** None  
**Objective of the course:** Principles of inheritance. Essential human genetics. Approaches for up-to-date problems.  
PHYSICS OF ULTRASOUND DIAGNOSTICS

Course code: MF/FMB/O-U05
Teaching staff: Department of Physics, Mathematics and Biophysics
Number of credits: KMU – 2, ECTS – 3
Objective of the course: To learn basics of ultrasound diagnostics and its application in odontology.

Recommended reading:

Assessment methods: Credit test
Language: Lithuanian

INTRODUCTION TO STUDIES

(SEE COURSE DESCRIPTION AT THE FACULTY OF MEDICINE)

HEALTH PROMOTION

Course code: SLF/KSM/O-V05 or SLF/KSM/O-U01
Teaching staff: Department of Kinesiology and Sports Medicine
Number of credits: KMU – 1, ECTS – 1.5
Objective of the course: To provide basic knowledge to the students about physical activity, exercises, its influence on human health, learn about methods for physical health improvement.

Recommended reading:

Assessment methods: Credit test
Language: Lithuanian or English

SPORTS GAMES IN HEALTH PROMOTION

Course code: SLF/KSM/O-V06 or SLF/KSM/O-U03
Teaching staff: Department of Kinesiology and Sports Medicine
Number of credits: KMU – 2, ECTS – 3
Objective of the course: To provide basic knowledge about use of sports games in health promotion.
Course content: Rules and equipment for different popular sports games. Sports related physical fitness, assessment and development. Prevention of traumas during sports games. Fatigue of the
skeletal muscles, its prevention. Complex development of physical fitness, dosage of physical load using different elements of sports games.

**Recommended reading:**

**Teaching methods:** Lectures (4 hrs), practical works (42 hrs), seminars (10 hrs), independent work (24 hrs)

**Assessment methods:** Credit test

**Language:** Lithuanian or English

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**ECOLOGY ELECTIVE COURSE**

**Course code:** VSF/ADK/O-V01 or VSF/ADK/O-U02

**Teaching staff:** Department of Environmental and Occupational Medicine

**Number of credits:** KMU – 2, ECTS – 3

**Objective of the course:** To provide theoretical and practical knowledge in basic ecology, introduce odontology students with influence of natural and ambient environment to public health.

**Content of studies:** The course deals with environmental situation, to provide theoretical and practical knowledge in basic ecology, introduce odontology students influence natural and ambient environment to public health. Course to introduce students with ecology consistent, to identify factors relative to anthropogenic factors and determine the health impact, to interaction of the environment and people, for the understanding, protecting and managing the environment for sustainable living in the future. Acquisition ability gives for students an insight into ecological situation, to recognize the main ecology problem, amalist regional ecology publicity and estimated situation about sustainable region development.

**Recommended reading:**

**Teaching methods:** Lectures (10 hrs), practical works (10 hrs), seminars (36 hrs), independent work (24 hrs)

**Assessment methods:** Credit test

**Language:** Lithuanian or English

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**AESTHETICS ELECTIVE COURSE**

**HISTORY OF MEDICINE AND ODONTOLOGY ELECTIVE COURSE**

**Course code:** VSF/SMK/O-V02 VSF/SMK/O-U02

**Teaching staff:** Department of Health Management

**Number of credits:** KMU – 2, ECTS – 3

**Objective of the course:** To indoctrinate with substantial moments of the development of medicine and odontology in the world and in Lithuania.

**Course content:** Analysis of the most significant moments of the development of medicine and odontology from the ancient times to nowadays, in relation with the achievements of nature sciences, technical progress as well as social, economical and cultural evolution.
### Second year 1st semester

<table>
<thead>
<tr>
<th>NO.</th>
<th>COURSE CODE</th>
<th>SUBJECT</th>
<th>KMU CREDITS</th>
<th>ECTS CREDITS</th>
<th>ASSESSMENT</th>
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<tr>
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<td>Professional Foreign Language (English, German, French, Russian)</td>
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*for foreign students

### Second year 2nd semester

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<tbody>
<tr>
<td>1.</td>
<td>VSF/FES/O-V25</td>
<td>General Sociology and Sociology of Medicine</td>
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*for foreign students

### BIOCHEMISTRY

**Compulsory course**

(See 1st year)

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<td>4th semester: KMU – 2, ECTS – 3</td>
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**Objective of the course:** To teach the students understand the activity of a healthy human organism.


Teaching methods: Lectures (36 hrs), practical works (84 hrs), independent work (40 hrs)
Assessment methods: 3rd semester: credit test, 4th semester: examination
Language: Lithuanian or English
PRECLINICAL COURSE OF DENTAL AND ORAL DISEASES

COMPULSORY COURSE

Course code: OF/DBL/O-V09 or OF/DBL/O-U01
Teaching staff: Clinic of Dental and Oral Pathology
Number of credits: 3rd semester: KMU – 4, ECTS – 6
4th semester: KMU – 3, ECTS – 4.5
Objective of the course: To introduce and make student ready and for the clinical course of cariology, endodontics and periodontology.
Recommended reading:
Teaching methods: Lectures (20 hrs), practical works (180 hrs), seminars (10 hrs), independent work (70 hrs)
Assessment methods: 3rd semester: credit test, 4th semester: examination
Language: Lithuanian or English

GENERAL AND MEDICAL SOCIOLOGY

COMPULSORY COURSE

Course code: VSF/FES/O-V25 or VSF/FES/O-U02
Teaching staff: Department of Philosophy and Social Sciences
Number of credits: KMU – 2, ECTS – 3
Objective of the course: To introduce the main areas of general and medical sociology, to describe the problem of health and illness and to promote the ability to analyse social problems of health.
Recommended reading:
Teaching methods: Lectures (30 hrs), seminars (28 hrs), independent work (22 hrs)
Assessment methods: Examination
Language: Lithuanian or English

PATHOLOGICAL PHYSIOLOGY

COMPULSORY COURSE

Course code: MF/FIK/O-V01 or MF/FIK/O-U01
Teaching staff: Department of Physiology
Number of credits: KMU – 3, ECTS – 4.5
Objective of the course: To determine the general conformity of pathological processes and diseases development.
Course content: The program consist of three parts: general nosology, typical pathological processes, and pathophysiology of organs and organ systems.

Teaching methods: Lectures (22 hrs), practical works (48 hrs), seminars (20 hrs), independent work (30 hrs)
Assessment methods: Examination
Language: Lithuanian or English

**ORAL MICROBIOLOGY**  
**COMPULSORY COURSE**

Course code: MF/MBK/O-V01 or MF/MBK/O-U01  
Teaching staff: Department of Microbiology  
Number of credits: KMU – 3, ECTS – 4.5  
Objective of the course: Master the basics of medical microbiology, infectious immunology and virology; and the role of microorganisms in etiology and pathogenesis of oral infections.

Course content: The classification, morphology, structure, physiology, genetics of the microbes is analysed. The role of pathogenic and opportunistic microorganisms in the infectious process, their spreading and virulence factors, the oral microflora and its role in the pathology of dental caries and periodontal diseases, immunity forms, defence mechanisms of the mouth and oral immunity factors are studied. The students get acquainted with the different groups of microbes and infections caused by them, the laboratory techniques and the tasks in the diagnosis of infections, the rational antibioticotherapy and with mechanisms of antibiotic resistance development. The bacterial and viral infections properties, types of immunity and mechanisms of immune response, properties of antiviral immunity, practical applications of immunology are studied. The types of immunopreparations (vaccines and immunoglobulins), their modes of action, peculiarities of immunotherapy and immunoprophylaxis are studied as well.

Recommended reading:  

Teaching methods: Lectures (30 hrs), practical works (60 hrs), independent work (30 hrs)  
Assessment methods: Examination  
Language: Lithuanian or English

**PROSTHETIC DENTISTRY (PHANTOM COURSE)**  
**COMPULSORY COURSE**

Course code: OFO/DŽO/O-V18 or OFO/DŽO/O-U18  
Teaching staff: Clinic of Dental and Maxillary Orthopaedics  
Number of credits: 4th semester: KMU – 3, ECTS – 4.5  
5th semester: KMU – 2, ECTS – 3  
Prerequisites: None  
Objective of the course: To familiarize with indications, contraindications, biomechanical peculiarities and short span fixed partial dentures, with prosthetic restoration of tooth hard tissue defects.


Recommended reading:  

Teaching methods: Lectures (40 hrs), practical works (110 hrs), independent work (50 hrs)  
Assessment methods: 4th semester: credit test, 5th semester: examination  
Language: Lithuanian or English
<table>
<thead>
<tr>
<th>No.</th>
<th>Course code</th>
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<td>1.</td>
<td>MF/ANI/O-V02</td>
<td>Clinically Applied Anatomy of the Mouth</td>
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<td>MF/BCM/O-V05</td>
<td>Prophylactic Nutrition</td>
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<td>3.</td>
<td>MF/FIK/O-V02</td>
<td>Face, Jaws and Oral Pathological Physiology</td>
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<td>MF/FMB/O-V05</td>
<td>Search and Analysis of Scientific Information</td>
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<td>MF/HIS/O-V03</td>
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<td>MF/HIS/O-V04</td>
<td>Malformations of the Organs of the Face and Oral Cavity</td>
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<td>MF/KEK/O-U04*</td>
<td>Lithuanian for Foreign Students</td>
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<td>8.</td>
<td>MF/KEK/O-V08</td>
<td>Introduction to Education Science</td>
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<td>9.</td>
<td>MF/KEK/O-V16</td>
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<td>MF/KEK/O-V20</td>
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<td>17.</td>
<td>VSF/FES/O-V27</td>
<td>Logic</td>
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<td>18.</td>
<td>VSF/FES/O-V31</td>
<td>Popculture and Medicine</td>
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*for foreign students

**CLINICALLY APPLIED ANATOMY OF THE MOUTH ELECTIVE COURSE**

Course code: MF/ANI/O-V02 or MF/ANI/O-U04  
Teaching staff: Institute of Anatomy  
Number of credits: KMU – 2, ECTS – 3  
Objective of the course: To provide new knowledge about structural, functional, age related, individual and clinical features of oral cavity and its organs.  
Course content: Presentment of oral cavity bones, facial expression, mastication muscles, applied anatomy, walls of oral cavity, features of mucous, structure of tongue, salivary glands, their vascularization and innervation.  
Teaching methods: Practical works (29 hrs), seminars (27 hrs), independent work (24 hrs)  
Assessment methods: Credit test  
Language: Lithuanian or English

**PROPHYLACTIC NUTRITION ELECTIVE COURSE**

Course code: MF/BCM/O-V05  
Teaching staff: Department of Biochemistry  
Number of credits: KMU – 3, ECTS – 4.5  
Objective of the course: To familiarize with indications, contraindications, biomechanical peculiarities and short span fixed partial dentures, with prosthetic restoration of tooth hard tissue defects.  
Teaching methods: Lectures (40 hrs), practical works (110 hrs), independent work (50 hrs)  
Assessment methods: 4th semester: credit test, 5th semester: examination
### SEARCH AND ANALYSIS OF SCIENTIFIC INFORMATION

**ELECTIVE COURSE**

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<td><strong>Course code:</strong></td>
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<td><strong>Teaching staff:</strong></td>
<td>Department of Physics, Mathematics and Biophysics</td>
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<td><strong>Objective of the course:</strong></td>
<td>To introduce students to the search of scientific literature in special data basis and to analysis of acquired information.</td>
</tr>
<tr>
<td><strong>Course content:</strong></td>
<td>World Wide Web, Internet Explorer, archive utility programmes, information downloading from HTTP and FTP servers, medical data basis in Internet, data analysis with MS Excel, EpInfo, SPSS, STATISTICA programmes.</td>
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<td><strong>Teaching methods:</strong></td>
<td>Lectures (10 hrs), practical works (46 hrs), seminars (4 hrs), independent work (20 hrs)</td>
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### ORAL HISTOLOGY

**ELECTIVE COURSE**

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<td><strong>Teaching staff:</strong></td>
<td>Department of Histology and Embryology</td>
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<td><strong>Number of credits:</strong></td>
<td>KMU – 2, ECTS – 3</td>
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<td><strong>Prerequisites:</strong></td>
<td>Histology, Embryology, Anatomy</td>
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<td><strong>Objective of the course:</strong></td>
<td>To deepen one’s knowledge about the structure, function and development of the head, face, of the tissues and organs of the oral cavity and changes related to age.</td>
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<tr>
<td><strong>Course content:</strong></td>
<td>During this course students study following topics: the consistent patterns of the development and structure of the maxillofacial region; the role of the branchial apparatus; the reasons of malformations, the structure and changes of the soft tissues of the oral cavity related to age; the peculiarities of the structure of the tongue and salivary glands; the consistent patterns of the development of the teeth and periodontium; teeth eruption and shedding; the changes in tooth structure related to age.</td>
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<td><strong>Teaching methods:</strong></td>
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### LITHUANIAN FOR FOREIGN STUDENTS

**ELECTIVE COURSE**

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<tr>
<td><strong>Course code:</strong></td>
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<tr>
<td><strong>Teaching staff:</strong></td>
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<td><strong>Number of credits:</strong></td>
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<td><strong>Objective of the course:</strong></td>
<td>To teach students to understand the language aurally, to express thoughts and exchange information in Lithuanian verbally and in written, to read, translate, and retell simple texts.</td>
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<td><strong>Course content:</strong></td>
<td>The teaching course of the Lithuanian language consists of three closely related stages. At first the students are familiarized with the sound and letter system of the Lithuanian language, they form the basic skills of reading, writing, translation, listening, and speaking skills; later on the studies focus on more complex grammar material. In addition to grammar, students continuously enrich their vocabulary, develop their spoken language skills, learn Lithuanian medical lexis, read popular literature on medicine, retell various texts, and discuss various topics.</td>
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Teaching methods: Practical works (112 hrs), independent work (48 hrs)
Assessment methods: Examination
Language: English

INTRODUCTION TO EDUCATION SCIENCE ELECTIVE COURSE
(SEE COURSE DESCRIPTION AT THE FACULTY OF MEDICINE)

SECOND FOREIGN LANGUAGE (ENGLISH, GERMAN, FRENCH, ITALIAN, SPANISH, RUSSIAN) ELECTIVE COURSE
(SEE COURSE DESCRIPTION AT THE FACULTY OF MEDICINE)

BASIC NUTRITION ELECTIVE COURSE
Course code: VSF/ADK/O-V04
Teaching staff: Department of Environmental and Occupational Medicine
Number of credits: KMU – 2, ECTS – 3
Objective of the course: The aim of the course is to provide theoretical and practical knowledge in nutrition science, main food materials and products, food poisoning and hygiene.
Teaching methods: Lectures (10 hrs), practical works (10 hrs), seminars (26 hrs), independent work (34 hrs)
Assessment methods: Credit test
Language: Lithuanian

BIOETHICS ELECTIVE COURSE
Course code: VSF/FES/O-U04
Teaching staff: Department of Philosophy and Social Sciences
Number of credits: KMU – 2, ECTS – 3
Objective of the course: To present the basic bioethical concepts and improve the moral sensitivity and awareness in multicultural context.
Teaching methods: Lectures (30 hrs), seminars (26 hrs), independent work (24 hrs)
Assessment methods: Credit test
Language: English
LOGIC                              ELECTIVE COURSE
(SEE COURSE DESCRIPTION AT THE FACULTY OF MEDICINE)

Third year 5th semester

<table>
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<td>OF/DŽO/O-V18 OF/DŽO/O-U18*</td>
<td>Prosthetic Dentistry (Phantom Course)</td>
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<td>Examination</td>
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<td>OF/VŽ/O-V13 OF/VŽ/O-U14*</td>
<td>Oral Surgery</td>
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<td>3</td>
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<td>OF/VOK/O-V15 OF/VOK/O-U16*</td>
<td>Prevention of Oral Diseases</td>
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<td>OF/DBL/O-V10 OF/DBL/O-U16*</td>
<td>Clinical Cariology</td>
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Third year 6th semester

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<tr>
<td>1.</td>
<td>MF/ANZ/O-V01 MF/ANZ/O-U01*</td>
<td>Anaesthesiology and Reanimation</td>
<td>2</td>
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<td>2.</td>
<td>MF/VIL/O-V03 MF/VIL/O-U03*</td>
<td>Internal Diseases</td>
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<td>3.</td>
<td>OF/DBL/O-V04 OF/DBL/O-U13*</td>
<td>Clinical Endodontics and Clinical Practise</td>
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<tr>
<td>4.</td>
<td>OF/VŽ/O-V13 OF/VŽ/O-U14*</td>
<td>Maxillofacial and Oral Surgery</td>
<td>4</td>
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<td>5.</td>
<td>OF/DŽO/O-V19 OF/DŽO/O-U19*</td>
<td>Prosthetic Dentistry and Clinical Practice</td>
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<td>6.</td>
<td>Elective Course in Programme Basics or General University Studies</td>
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<td>TOTAL</td>
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</table>

*for foreign students

PATHOLOGICAL ANATOMY                          COMPULSORY COURSE

Course code: MF/PAK/O-V01 or MF/PAK/O-U01
Teaching staff: Department of Pathological Anatomy
Number of credits: KMU – 3, ECTS – 4.5
Objective of the course: Create conditions for the students to understand and remember morphological background of the diseases and their complications to remember necessary basics of morphological diagnostics and analysis.
Course content: The study of subject begins on general pathological anatomy, by consequent study of the adaptive and compensatory processes, morphology of the immune response (its structure, inflammation, specific immune reactions, immune granulomas), immunopathology, damage of the cells and membranes, disorders of the regulation, haemostasis and blood fluidity, central and peripheral disorders of blood circulation, disorder of the growth neoplasia, congenital malformations). The study of special pathological anatomy is based on the respiratory, cardiovascular, digestive, immune and infectious pathology in relation with maxillofacial damages. Significant part of study is attached to special odontological pathology such as caries dentis, pulpitis, perio- and parodontitis, maxillofacial endinfections and tumours.
Teaching methods: Lectures (22 hrs), practical works (68 hrs), independent work (30 hrs)
Assessment methods: Examination
Language: Lithuanian or English

PHARMACOLOGY

Course code: MF/TKF/O-V01 or MF/TKF/O-U01
Teaching staff: Department of Theoretical and Clinical Pharmacology
Number of credits: KMU – 2, ECTS – 3
Objective of the course: Student should understand general principles of pharmacokinetics and pharmacodynamics, mechanism of action, clinical use, restrictions for use and common side effects of various drugs.
Course content: During course of pharmacology, students can gains basic pharmacology principles and knowledge about main groups used in odontology and first aid medicines. During course students must be able to prescribe medicine, to known main properties of antiinflammatory, antibacterial, analgetic drugs, medicines used in emergency, including its mechanism of action, dosing, side effects, clinical use of them. Other various groups of medicines, including vegetotropic, psychotropic, cytostatic drugs, antihistamines and medicines acting on minerals turnover are presented in general.
Recommended reading:
Teaching methods:
Lectures (24 hrs), practical works (36 hrs), independent work (20 hrs)
Assessment methods: Examination
Language: Lithuanian or English

PROSTHETIC DENTISTRY (PHANTOM COURSE)

ORAL SURGERY

Course code: OF/VŽ/O-V13 or OF/VŽ/O-U14
Teaching staff: Clinic of Maxillofacial Surgery
Number of credits: 5th semester: KMU – 2, ECTS – 3
Objective of the course: Objectives of the studies are to get acquainted with the organisation of surgical aid in odontology, its possibilities in treating dental and maxillofacial diseases.
Course content: During the course the organisation of surgical aid in outpatient department and hospital is discussed. Students are acquainted with documentation. Local anaesthetisation is taught as well. Possible complications, their diagnostics, urgent help and treatment are discussed. Students are taught to perform teeth extraction. They have a possibility to perform teeth extractions themselves. The main attention is paid to technique of anaesthetisation and improvement of teeth extraction skills.
Recommended reading:
Teaching methods:
Lectures (24 hrs), practical works (36 hrs), independent work (20 hrs)
Assessment methods: Credit test
Language: Lithuanian or English

PREVENTION OF ORAL DISEASES

Course code: OF/VOK/O-V15 or OF/VOK/O-U16
Teaching staff: Clinic of Oral Health and Paediatric Dentistry
Number of credits: KMU – 3, ECTS – 4.5
Objective of the course: The course of the prevention of oral diseases covers the evaluation of the risk factors and primary prevention of oral diseases.
Course content: Students study about the risk factors of oral diseases, learn to evaluate the prevalence and severity of oral diseases, caries incidences (DMF-T, DMF-S indices). Learn to evaluate cariogenic situation in the oral cavity.

During the course main methods of caries prevention and periodontal disease control are analysed as well as the possibilities of fluoride administration. The students learn to apply the preventive methods, to educate patients and implement good oral hygiene skills and to give recommendations on prevention and selection of suitable oral hygiene measures. The students must understand know the importance of risk factors in development of oral diseases. Having completed a course, students must be able:

1. To give an oral hygiene instruction, dietary advice. To recommend an appropriate dentifrice, toothbrush and auxiliary oral hygiene measures.
2. To evaluate the oral status of a patient (evaluate caries risk level), caries prevalence and incidence in the primary, mixed and permanent dentitions.
3. Must know the methods of prevention of oral diseases, be able to apply and evaluate these methods to different age group patients.
4. Be capable to provide personal oral hygiene teaching program for different patients.

Recommended reading:

Teaching methods: Lectures (18 hrs), practical works (58 hrs), seminars (14 hrs), independent work (30 hrs)
Assessment methods: Credit test
Language: Lithuanian or English

CLINICAL CARIOLOGY

Course code: OF/DBL/O-V10 or OF/DBL/O-U16
Teaching staff: Clinic of Dental and Oral Pathology
Number of credits: KMU – 4, ECTS – 6

Objective of the course: To analyse complexity of dental caries development, background of chemical and physical reactions in the oral environment; to study methods of disease detection, diagnosis and clinical management.


Recommended reading:

Teaching methods: Lectures (20 hrs), practical works (96 hrs), seminars (4 hrs), independent work (40 hrs)
Assessment methods: Examination
Language: Lithuanian or English

ANAESTHESIOLOGY AND REANIMATION

Course code: MF/ANZ/O-V01 OR MF/ANZ/O-U01
Teaching staff: Clinic of Anaesthesiology
Number of credits: KMU – 2, ECTS – 3
Prerequisites: Knowledge of cardiovascular, respiratory and neuro-physiology and pathophysiology, knowledge of basics of pharmacology and internal medicine.

Objective of the course: To acquaint with preanaesthetic assessment and preparation of patient for anaesthesia and surgery; with modern methods of anaesthesia; diagnosis of and first aid in case of critical situations.

Recommended reading:

Teaching methods: Lectures (10 hrs), practical works (36 hrs), seminars (10 hrs), independent work (24 hrs)
Assessment methods: Credit test
Language: Lithuanian or English

INTERNAL MEDICINE

COMPULSORY COURSE

Course code: MF/VIL/O-V03 or MF/VIL/O-U03
Teaching staff: Clinic of Internal Diseases
Number of credits: KMU – 2, ECTS – 3
Objective of the course: To study the main methods of clinical examination of patients suffering from internal diseases, basics of etiopathogenesis, diagnosis and treatment of the most prevalent internal diseases.
Course content: During the lectures there are analyzed the main subjective and objective methods of clinical examination, main symptoms, diagnosis, treatment, prophylaxis of internal diseases (respiratory, cardiovascular, gastrointestinal, hepatobiliary, hematopoietic, urinary, endocrine, musculoskeletal). During practical sessions and self-dependent work students study the examination of patients suffering from internal diseases, they learn to interpreter clinical and laboratory data, work out treatment plans.
Recommended reading:
Teaching methods: Lectures (32 hrs), practical works (28 hrs), independent work (20 hrs)
Assessment methods: Examination
Language: Lithuanian or English

CLINICAL ENDODONTICS AND CLINICAL PRACTICE

COMPULSORY COURSE

Course code: OF/DBL/O-V04 or OF/DBL/O-U13
Teaching staff: Clinic of Dental and Oral Pathology
Number of credits: 6th semester: KMU – 4, ECTS – 6
7th semester: KMU – 4, ECTS – 6
Objective of the course: To teach students endodontical diseases clinic, diagnostic and treatment basis, to make possibilities for practical skills by treating endodontic diseases in one-root and multiple roots.
Recommended reading:

Teaching methods: Lectures (20 hrs), practical works (210 hrs), seminars (10 hrs), independent work (80 hrs)
Assessment methods: 6th semester: credit test, 7th semester: examination
Language: Lithuanian or English

MAXILLOFACIAL AND ORAL SURGERY  COMPULSORY COURSE

Course code: OF/VŽ/O-V13 or OF/VŽ/O-U14
Teaching staff: Clinic of Maxillofacial Surgery
Number of credits: 6th semester: KMU – 4, ECTS – 6
Objective of the course: To get acquainted with students with inflammations of maxillofacial area, their aetiology, pathogenesis, clinics, diagnostics and treatment; with aetiology and pathogenesis of salivary glands diseases.
Course content: Objectives of the course are to acquaint the students with the aetiology, and pathogenesis of inflammations of maxillofacial area; to explain diagnostics and treatment. The course covers acute and chronic periodontitis, periostitis, maxillofacial area abscesses, lymphadenitis, furuncles, jaw osteomyelitis, discussing their pathogenesis, pathology, clinics, diagnostics, tactics of treatment, and prophylactics.
Teaching methods: Lectures (26 hrs), practical works (94 hrs), independent work (40 hrs)
Assessment methods: Credit test
Language: Lithuanian or English

PROSTHETIC DENTISTRY AND CLINICAL PRACTICE  COMPULSORY COURSE

Course code: OFO/DŽO/O-V19 or OFO/DŽO/O-U19
Teaching staff: Clinic of Dental and Maxillary Orthopaedics
Number of credits: 6th semester: KMU – 4, ECTS – 6
7th semester: KMU – 3, ECTS – 4.5
8th semester: KMU – 4, ECTS – 6
Objective of the course: To familiarize with investigation method of structure and function of dental patients stomatognathic system; clinical evaluation of teeth and dental arches; main rehabilitation methods.

**Teaching methods:** Lectures (60 hrs), practical works (270 hrs), independent work (110 hrs)

**Assessment methods:** 6th semester: credit test, 7th semester: credit test, 8th semester: examination

**Language:** Lithuanian or English

### Elective Courses

<table>
<thead>
<tr>
<th>No.</th>
<th>Course code</th>
<th>Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>MF/EMK/O-V01</td>
<td>Health Care in Disasters</td>
</tr>
<tr>
<td>2.</td>
<td>MF/KEK/O-U05*</td>
<td>Lithuanian for Foreign Students</td>
</tr>
<tr>
<td>3.</td>
<td>OF/DBL/O-V23</td>
<td>Root Canal Cleaning and Shaping by NiTi Rotary Instruments</td>
</tr>
<tr>
<td></td>
<td>OF/DBL/O-U06*</td>
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<tr>
<td>4.</td>
<td>SLF/KSM/O-V08</td>
<td>Application of Aerobic and Strength Exercises in Health Promotion</td>
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<td>5.</td>
<td>SLF/SLK/O-V03</td>
<td>Therapeutic Communication</td>
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<tr>
<td>6.</td>
<td>VSF/ADK/O-V05</td>
<td>Healthy Nutrition</td>
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<td>7.</td>
<td>VSF/ADK/O-V07</td>
<td>Health Ecology</td>
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<td>VSF/ADK/O-U04*</td>
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*For foreign students

### LITHUANIAN FOR FOREIGN STUDENTS ELECTIVE COURSE

#### ROOT CANAL CLEANING AND SHAPING BY NiTi ROTARY INSTRUMENTS ELECTIVE COURSE

**Course code:** OF/DBL/O-V23 or OF/DBL/O-U06

**Teaching staff:** Clinic of Dental and Oral Pathology

**Number of credits:** KMU – 2, ECTS – 3

**Objective of the course:** To introduce students with new generation rotary NiTi instruments systems, to teach them work using NiTi instruments.

**Course content:** NiTi rotary instruments history. Hand NiTi instruments, benefits and features compare to stainless-steel instruments. Rotary endo instruments for simple low speed hand piece. Benefits. Features of (GT, Quantec, Profile, Protaper, Hero) rotary instruments: resistance, flexibility, strength, solidity. Equipment (electric-engines) for rotary instruments. Cleaning and shaping programs, rotating speed, tongue. Rules how to use rotary instruments at work and postworking care of them (disinfection, sterilization).

**Recommended reading:**

**Teaching methods:** Lectures (2 hrs), practical works (48 hrs), seminars (6 hrs), independent work (24 hrs)

**Assessment methods:** Credit test

**Language:** Lithuanian or English

### HEALTHY NUTRITION ELECTIVE COURSE

**Course code:** VSF/ADK/O-V05 or VSF/ADK/O-U03

**Teaching staff:** Department of Environmental and Occupational Medicine

**Number of credits:** KMU – 2, ECTS – 3

**Objective of the course:** To know how estimate peculiarity, needs of nutrition for various groups of population, determine the relation between teeth diseases and food poisoning.

**Course content:** Healthy nourishment and it conception. The main principles of health nourishment. Xenobiotics in food and influence to human health. Cariesogenic factors in food, influence for teeth diseases development. Nontraditional food and dietaries. Food allergies. Laws of safety food in Lithuania. The main standards of food safety in European Union.

**Recommended reading:**
2. www.vet.lt.

**Teaching methods:** Lectures (10 hrs), practical works (10 hrs), seminars (36 hrs), independent work (24 hrs)
Assessment methods: Credit test
Language: Lithuanian or English

HEALTHY ECOLOGY ELECTIVE COURSE

Course code: VSF/ADK/O-V07 or VSF/ADK/O-U04
Teaching staff: Department of Environmental and Occupational Medicine
Number of credits: KMU – 2, ECTS – 3
Objective of the course: To introduce students to impact of environmental factors on public and personal health and prevention measures how to avoid hazards for health improvement.
Course content: Impact of natural and living environment on the population health, consequences of anthropogenic impact on environment and human being, pollution of water, soil and atmospheric air and its effect on population health. Environmental pollution by carcinogens, allergens and radioactive material, its effect on population health and its prevention; importance of microelements, found in water and soil, to human body, diseases of teeth and oral cavity caused by environmental pollutants and their prevention, requirements to indoor air quality, microclimate, illumination.
Teaching methods: Lectures (10 hrs), practical works (46 hrs), independent work (24 hrs)
Assessment methods: Credit test
Language: Lithuanian or English

Fourth year 7th semester

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<th>NO.</th>
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<tbody>
<tr>
<td>1.</td>
<td>MF/RAD/O-V04 MF/RAD/O-U04*</td>
<td>General and Maxillofacial Radiology</td>
<td>3</td>
<td>4.5</td>
<td>Examination</td>
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<tr>
<td>2.</td>
<td>VSF/SMK/O-V01 VSF/SMK/O-U01*</td>
<td>Health Care Management and Medical Law</td>
<td>2</td>
<td>3</td>
<td>Credit test</td>
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<tr>
<td>3.</td>
<td>OF/DBL/O-V04 OF/DBL/O-U13*</td>
<td>Clinical Endodontics and Clinical Practice</td>
<td>4</td>
<td>6</td>
<td>Examination</td>
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<td>4.</td>
<td>OF/DZO/O-V19 OF/DZO/O-U19*</td>
<td>Prosthetic Dentistry and Clinical Practice</td>
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<td>4.5</td>
<td>Credit test</td>
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<td>5.</td>
<td>OF/ORD/O-V10 OF/ORD/O-U11*</td>
<td>Orthodontics</td>
<td>2</td>
<td>3</td>
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<td>7.</td>
<td>Elective Courses in Specialized Education</td>
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Fourth year 8th semester

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<th>ECTS CREDITS</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>MF/ANG/O-V01 MF/ANG/O-U01*</td>
<td>Ear, Nose, and Throat Pathology</td>
<td>2</td>
<td>3</td>
<td>Examination</td>
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<tr>
<td>2.</td>
<td>OF/ORD/O-V10 OF/ORD/O-U11*</td>
<td>Orthodontics</td>
<td>2</td>
<td>3</td>
<td>Credit test</td>
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<td>3.</td>
<td>OF/DZO/O-V19 OF/DZO/O-U19*</td>
<td>Prosthetic Dentistry and Clinical Practice</td>
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<td>6</td>
<td>Examination</td>
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<td>4.</td>
<td>OF/DBL/O-V08 OF/DBL/O-U02*</td>
<td>Periodontology and Clinical Practice</td>
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<td>OF/VZ/O-V10 OF/VZ/O-U15*</td>
<td>Maxillofacial and Oral Surgery with Clinical Practice</td>
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<td>6.</td>
<td>Elective Courses in Specialized Education or Programme Basics</td>
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<td>TOTAL</td>
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* for foreign students

GENERAL AND MAXILLOFACIAL RADIOLOGY COMPULSORY COURSE

Course code: MF/RAD/O-V04 or MF/RAD/O-U04
Teaching staff: Clinic of Radiology

25
Number of credits: KMU – 3, ECTS – 4.5
Objective of the course: To introduce basics of radiological diagnostics and imaging in odontology, means of radiation protection in odontology.
Course content: To introduce radiological odontological diagnostics and radiotherapy. Radiological appearance of norm and pathology in dental, jaw, TMJ imaging. Radiotherapy of malignancies of face and neck.
Teaching methods: Lectures (12 hrs), practical works (72 hrs), seminars (36 hrs)
Assessment methods: Examination
Language: Lithuanian or English

HEALTH CARE MANAGEMENT AND MEDICINAL LAW

Course code: VSF/SMK/O-V01 or VSF/SMK/O-U01
Teaching staff: Department of Health Management
Number of credits: KMU – 2, ECTS – 3
Objective of the course: To acquaint students with the management of health care, basics of constitutional law and legislation, guidelines for organization of odontological services, responsibilities, rights of odontologists.
Course content: Analysis of health care systems in Lithuania and in the World, management, functions, primary health care, organization of odontological services, the basics of health care planning, management and health economics, health and social insurance, law issues in health care.
Teaching methods: Lectures (22 hrs), practical works (10 hrs), seminars (28 hrs), independent work (20 hrs)
Assessment methods: Credit test
Language: Lithuanian or English

CLINICAL ENDODONTICS AND CLINICAL PRACTICE

(SEE 3RD YEAR)

PROSTHETIC DENTISTRY AND CLINICAL PRACTICE

(SEE 3RD YEAR)

ORTHODONTICS

Course code: OF/ORD/O-V10 or OF/ORD/O-U11
Teaching staff: Clinic of Orthodontics
Number of credits: 7th semester: KMU – 2, ECTS – 3
8th semester: KMU – 2, ECTS – 3
9th semester: KMU – 2, ECTS – 3
Objective of the course: To get knowledge in orthodontic patient examination, occlusion and facial growth, etiological factors and pathogenetic mechanisms of malocclusion development, treatment methods and orthodontic appliances.

**Recommended reading:**
5. V. Gedrimas ir kt. Dantų anatomija. Šakandis (Universiteto vadovėlis). KMU leidykla, Kaunas, 2005

**Teaching methods:** Lectures (60 hrs), practical works (120 hrs), independent work (60 hrs)

**Assessment methods:**
- 7th semester: credit test
- 8th semester: credit test
- 9th semester: examination

**Language:** Lithuanian or English
and incipient complications, also actions assisting immediate aid in urgent cases. In lectures underlying speciality questions, including speciality deontological aspects, are being presented.

**Recommended reading:**

**Teaching methods:**
Practical works (60 hrs), independent work (20 hrs)

**Assessment methods:**
Examination

**Language:**
Lithuanian or English

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**PERIODONTOLOGY AND CLINICAL PRACTICE COMPULSORY COURSE**

**Course code:** OF/DBL/O-V08 or OF/DBL/O-U02
**Teaching staff:** Clinic of Dental and Oral Pathology
**Number of credits:** KMU – 4, ECTS – 6

**Objective of the course:** To acquire theoretical and practical course, to diagnose periodontal diseases, to render immediate assistance, to manage professional oral hygiene, curettage, local periodontal surgical procedures.


**Recommended reading:**

**Teaching methods:**
Lectures (20 hrs), practical works (96 hrs), seminars (4 hrs), independent work (40 hrs)

**Assessment methods:**
Credit test

**Language:**
Lithuanian or English

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**MAXILLOFACIAL AND ORAL SURGERY WITH CLINICAL PRACTICE COMPULSORY COURSE**

**Course code:** OF/VŽ/O-V10 or OF/VŽ/O-U15
**Teaching staff:** Clinic of Maxillofacial Surgery
**Number of credits:** KMU – 4, ECTS – 6

**Objective of the course:** The aim of the studies is to acquaint students with the aetiology, pathogenesis, clinics, diagnostics and treatment of TMJ diseases.

**Course content:** Students are introduced with dysfunction of joints, acute and chronic arthritis, arthrosis, ankylosis, aetiology of contractures, pathogenesis, clinics, diagnostics and methods of treatment. Particular attention is paid to the formation of skills in diagnosing such kind of diseases.

**Recommended reading:**

**Teaching methods:**
Lectures (18 hrs), practical works (102 hrs), independent work (40 hrs)

**Assessment methods:**
Credit test

**Language:**
Lithuanian or English
### Elective Courses

<table>
<thead>
<tr>
<th>No.</th>
<th>Course code</th>
<th>Subject</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>MF/AKG/O-V03 MF/AKG/O-U05*</td>
<td>General Basics of Obstetrics and Gynaecology</td>
</tr>
<tr>
<td>2.</td>
<td>MF/ILK/O-V02</td>
<td>Infectious Diseases and Pathology of the Oral Cavity</td>
</tr>
<tr>
<td>3.</td>
<td>MF/MBK/O-V02</td>
<td>Clinical Microbiology for Medical Odontologist</td>
</tr>
<tr>
<td>4.</td>
<td>OF/DBL/O-V15 OF/DBL/O-U04*</td>
<td>Aesthetic Restorations of Hard Dental Tissue Defects</td>
</tr>
<tr>
<td>5.</td>
<td>SLF/RE/O-V03 SLF/RE/O-U02*</td>
<td>Rehabilitation of Odontological Patients</td>
</tr>
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<td>6.</td>
<td>VSF/ADK/O-V02 VSF/ADK/O-U05*</td>
<td>Work and Health for Odontologists</td>
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<td>7.</td>
<td>VSF/FES/O-V28</td>
<td>Art Therapy</td>
</tr>
<tr>
<td>8.</td>
<td>VSF/FES/O-V29</td>
<td>Cultural Anthropology</td>
</tr>
</tbody>
</table>

*for foreign students

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### GENERAL BASICS OF OBSTETRICS AND GYNAECOLOGY

**Course code:** MF/AKG/O-V03 or MF/AKG/O-U05  
**Teaching staff:** Clinic of Gynaecology and Obstetrics  
**Number of credits:** KMU – 2, ECTS – 3  
**Objective of the course:** To teach students to diagnose pregnancy, measure gestational age of the fetus, educate basic issues of prenatal care, distinguish preterm pregnancy and understand physiology of labour and delivery.  
**Course content:** Diagnosis of pregnancy, measurement of gestational age of the foetus, estimation of basic screening tests in the prenatal care, screening for urogenital infections, ultrasound screening, measurement of the uterine fundal height and the position of the fetus inside using external obstetric examination, evaluation of mechanism and duration of labour and delivery, monitoring of condition of the foetus during pregnancy and labour, evaluation of normal postpartum period.  
**Teaching methods:** Lectures (20 hrs), practical works (14 hrs), seminars (26 hrs), independent work (20 hrs)  
**Assessment methods:** Credit test  
**Language:** Lithuanian or English

### INFECTIOUS DISEASES AND PATHOLOGY OF THE ORAL CAVITY

**Course code:** MF/ILK/O-V02  
**Teaching staff:** Clinic Infectious Diseases  
**Number of credits:** KMU – 2, ECTS – 3  
**Objective of the course:** To obtain information about pathology of oral cavity in case of infection, to learn principles of epidemiology and prevention. To learn to suspect infectious disease in accordance with oral disorders.  
**Course content:** The causes of infectious diseases and their spread are learned. The oral disorders in gastrointestinal, respiratory, skin and soft tissues infections, diseases transmitted by vectors as well as HIV/AIDS are studied. Acquainting with basic aspects of nosocomial infections and their prevention. Principles of protection of health care workers from infectious diseases, diagnosis and principles of treatment of oral disorders in case of infectious diseases are learned. The main attention is given to protection of health care workers from infectious at workplace, and for prevention of nosocomial infections.  
**Teaching methods:** Practical works (56 hrs), seminars (4 hrs), independent work (20 hrs)  
**Assessment methods:** Credit test  
**Language:** Lithuanian
### CLINICAL MICROBIOLOGY FOR MEDICAL ODONTOLOGIST

**ELECTIVE COURSE**

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<th>Course code:</th>
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<tbody>
<tr>
<td>Teaching staff:</td>
<td>Department of Microbiology</td>
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<tr>
<td>Number of credits:</td>
<td>KMU – 2, ECTS – 3</td>
</tr>
<tr>
<td>Objective of the course:</td>
<td>To get the clinical microbiology theoretical and practical knowledge for medical odontologists.</td>
</tr>
<tr>
<td>Course content:</td>
<td>The students study the infection agents (viruses, fungi, aerobic and anaerobic bacteria), that cause the pulpitis, periodontal diseases, abscesses, stomatitis, systemic and sexually diseases transmitted from mouth and via blood, their biological properties and virulence factors. The students get acquainted with the epidemiology of infection agents, laboratory diagnosis of infectious processes: collect and transport of the specimen to the laboratory, investigation and analyse of the results of microbiological and immunological laboratories data, antimicrobial susceptibility testing, antimicrobial therapy and prophylaxis principles, specific prophylaxis.</td>
</tr>
<tr>
<td>Teaching methods:</td>
<td>Lectures (20 hrs), practical works (10 hrs), seminars (26 hrs), independent work (24 hrs)</td>
</tr>
<tr>
<td>Assessment methods:</td>
<td>Credit test</td>
</tr>
<tr>
<td>Language:</td>
<td>Lithuanian</td>
</tr>
</tbody>
</table>

### AESTHETIC RESTORATIONS OF HARD DENTAL TISSUE DEFECTS

**ELECTIVE COURSE**

<table>
<thead>
<tr>
<th>Course code:</th>
<th>OF/DBL/O-V15 or OF/DBL/O-U04</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching staff:</td>
<td>Clinic Dental and Oral Pathology</td>
</tr>
<tr>
<td>Number of credits:</td>
<td>KMU – 2, ECTS – 3</td>
</tr>
<tr>
<td>Objective of the course:</td>
<td>To discuss etiology of hard dental tissue defects as well indications for their restoration; to acquire theoretical and practical knowledge of the rules for aesthetic restorations.</td>
</tr>
<tr>
<td>Teaching methods:</td>
<td>Lectures (2 hrs), practical works (52 hrs), seminars (4 hrs), independent work (22 hrs)</td>
</tr>
<tr>
<td>Assessment methods:</td>
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</tr>
<tr>
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<td>Lithuanian or English</td>
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</table>

### WORK AND HEALTH FOR ODONTOLOGISTS

**ELECTIVE COURSE**

<table>
<thead>
<tr>
<th>Course code:</th>
<th>VSF/ADK/O-V02 or VSF/ADK/O-U05</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching staff:</td>
<td>Department of Environmental and Occupational Medicine</td>
</tr>
<tr>
<td>Number of credits:</td>
<td>KMU – 2, ECTS – 3</td>
</tr>
<tr>
<td>Objective of the course:</td>
<td>The aim of the course is to provide theoretical and practical knowledge in occupational health for health care workers, introduce students with harmful occupational factors.</td>
</tr>
<tr>
<td>Course content:</td>
<td>The target of study is to introduce the students to work conditions in modern hospitals, their hygienic surveillance, patients’ nutrition peculiarities and prophylactic measures for spreading of nosocomial infections. Prevention of occupational hazards and possible occupational diseases for health care workers and odontologists.</td>
</tr>
<tr>
<td>Teaching methods:</td>
<td>Lectures (10 hrs), practical works (10 hrs), seminars (6 hrs), independent work (54 hrs)</td>
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### Assessment methods:
Credit test

### Language:
Lithuanian or English

### Fifth year 9th semester

<table>
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<th>COURSE CODE</th>
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<th>ASSESSMENT</th>
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<tbody>
<tr>
<td>1.</td>
<td>OF/DBL/O-V07</td>
<td>Oral Mucosa Diseases</td>
<td>4</td>
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<tr>
<td></td>
<td>OF/DBL/O-U03*</td>
<td>Skin and Venereal Diseases of Oral Mucosa</td>
<td>1</td>
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<tr>
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<td>MF/OV/O-U01*</td>
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<td>2.</td>
<td>OF/ORD/O-V10</td>
<td>Orthodontics</td>
<td>2</td>
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<td>OF/ORD/O-U11*</td>
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<td>3.</td>
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<td>Prosthetic Dentistry and Clinical Practice</td>
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<tr>
<td>4.</td>
<td>OF/VOK/O-V10</td>
<td>Paediatric Dentistry and Clinical Practice</td>
<td>2</td>
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<td>OF/VOK/O-U20*</td>
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<td>5.</td>
<td>OF/VŽ/O-V10</td>
<td>Maxillofacial and Oral Surgery with Clinical</td>
<td>4</td>
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<td>OF/VŽ/O-U15*</td>
<td>Practice</td>
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<td>Elective Courses in Speciality or Programme</td>
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<td>Basics</td>
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*for foreign students

### Fifth year 10th semester

<table>
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<th>NO.</th>
<th>COURSE CODE</th>
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<tbody>
<tr>
<td>1.</td>
<td>OF/DBL/O-V25</td>
<td>Dental and Oral Diseases: Clinical Practice</td>
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<td>2.</td>
<td>OF/DŽO/O-V21</td>
<td>Prosthetic Dentistry and Clinical Practice</td>
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<td>OF/DŽO/O-U21*</td>
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<tr>
<td>3.</td>
<td>OF/VŽ/O-V14</td>
<td>Clinical Practice of Oral Surgery</td>
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<td>Credit test</td>
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<td>OF/VŽ/O-U18*</td>
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<tr>
<td>4.</td>
<td>OF/VOK/O-V20</td>
<td>Pediatric Dentistry</td>
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<td>Credit test</td>
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<td>OF/VOK/O-U21*</td>
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<tr>
<td>5.</td>
<td>OF/ORD/O-V09</td>
<td>Orthodontics and Clinical Practice</td>
<td>2</td>
<td>3</td>
<td>Credit test</td>
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<tr>
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</table>

### ORAL MUCOSA DISEASES

**Course code:** OF/DBL/O-V07 or OF/DBL/O-U03

**Teaching staff:** Clinic of Dental and Oral Pathology

**Number of credits:** KMU – 4, ECTS – 6


**Recommended reading:**

**Teaching methods:** Lectures (20 hrs), practical works (96 hrs), seminars (4 hrs), independent work (40 hrs)
SKIN AND VENEREAL DISEASES COMPULSORY COURSE

Course code: MF/OV/O-V02 or MF/OV/O-U01
Teaching staff: Clinic of Skin and Venereal Diseases
Number of credits: KMU – 1, ECTS – 1.5
Objective of the course: Acquaintance with pathology of oral mucosa in internal and skin diseases, sexually transmitted diseases and isolated changes of oral mucosa.
Course content: Attention is focused on the primary and the secondary elements of the rash on oral mucosa and skin, diagnostics and treatment of the most common inflammatory, allergic, autoimmune and oncologic diseases of oral mucosa, prevention of both infectious diseases of oral mucosa and skin and sexually transmitted infections.
Recommended reading:
Teaching methods: Lectures (16 hrs), practical works (14 hrs), independent work (10 hrs)
Assessment methods: Examination
Language: Lithuanian or English

ORTHODONTICS COMPULSORY COURSE

(SEE 4TH YEAR)

PROSTHETIC DENTISTRY AND CLINICAL PRACTICE COMPULSORY COURSE

Course code: OF/DŽO/O-V20 or OF/DŽO/O-U20
Teaching staff: Clinic of Dental and Maxillary Orthopaedics
Number of credits: KMU – 3, ECTS – 4.5
Objective of the course: To familiarize with etiology, clinical expression, treatment methods of pathological wearing of teeth; clinical expression of TMJ functional disorders; etiology, pathogenesis of periodontitis.
Recommended reading:
Teaching methods: Lectures (20 hrs), practical works (70 hrs), independent work (30 hrs)
Assessment methods: Credit test
Language: Lithuanian or English

PAEDIATRIC DENTISTRY AND CLINICAL PRACTICE COMPULSORY COURSE
Course code: OF/VOK/O-V10 or OF/VOK/O-U20  
Teaching staff: Clinic of Dental Health and Paediatric Dentistry  
Number of credits: KMU – 2, ECTS – 3  
Objective of the course: To teach students to evaluate etiological factors, know pathogenesis, be able to make diagnosis, and perform treatment of children oral diseases.  
Content of studies: Students are studying aetiology, pathogenesis, clinical manifestations, methods of treatment, selection of the dental materials of the dental caries, pulpitis and periodontitis in primary and permanent dentition. Teaching in endodontic treatment of the teeth with not complete root formation is of special attention. Students learn diagnostics, clinics, prevention and treatment methods of gingivitis, periodontitis, non-carious and oral mucous diseases.  
Teaching methods: Lectures (10 hrs), practical works (40 hrs), seminars (10 hrs), independent work (20 hrs)  
Assessment methods: Examination  
Language: Lithuanian or English

MAXILLOFACIAL AND ORAL SURGERY WITH CLINICAL PRACTICE  
COMPULSORY COURSE

Course code: OF/VŽ/O-V10 or OF/VŽ/O-U15  
Teaching staff: Clinic of Maxillofacial Surgery  
Number of credits: KMU – 4, ECTS – 6  
Objective of the course: To acquaint the students with children maxillofacial diseases, their clinics, diagnostics, and peculiarities of treatment as well as with the methods of plastic and reconstructive surgery.  
Course content: The course covers the peculiarities of children’s organism and maxillofacial system that have influence on the clinical course of maxillofacial diseases. The focus of study is on children dental diseases and traumas. Students are introduced with maxillary and mandibular anomalies, deformation aetiology, clinics, diagnostics, and methods of their elimination by reconstructive operations. Surgical treatment indications and methods of surgery of periodontal diseases are analysed.  
Teaching methods: Lectures (20 hrs), practical works (100 hrs), independent work (40 hrs)  
Assessment methods: Examination  
Language: Lithuanian or English

DENTAL AND ORAL DISEASES: CLINICAL PRACTICE  
COMPULSORY COURSE

Course code: OF/DBL/O-V25 or OF/DBL/O-U05  
Teaching staff: Clinic of Dental and Oral Pathology  
Number of credits: KMU – 6, ECTS – 9  
Objective of the course: To learn to diagnose and treat all oral diseases, to design treatment plan and to perform procedures, which are included in odontologist’s practice.  
Course content: Acquisition of practical skills.  
### PROSTHETIC DENTISTRY AND CLINICAL PRACTICE  
**COMPULSORY COURSE**

<table>
<thead>
<tr>
<th>Teaching methods:</th>
<th>Lectures (20 hrs), practical works (96 hrs), seminars (4 hrs), independent work (40 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessment methods:</td>
<td>Examination</td>
</tr>
<tr>
<td>Language:</td>
<td>Lithuanian or English</td>
</tr>
</tbody>
</table>

**Course code:** OF/DŽO/O-V21 or OF/DŽO/O-U21  
**Teaching staff:** Clinic of Dental and Maxillary Orthopaedics  
**Number of credits:** KMU – 4, ECTS – 6  
**Objective of the course:** To improve clinical thinking and abilities of practical skills to work independently.  
**Recommended reading:**  

<table>
<thead>
<tr>
<th>Teaching methods:</th>
<th>Lectures (8 hrs), practical works (132 hrs), independent work (20 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessment methods:</td>
<td>Credit test</td>
</tr>
<tr>
<td>Language:</td>
<td>Lithuanian or English</td>
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</table>

### CLINICAL PRACTICE OF ORAL SURGERY  
**COMPULSORY COURSE**

<table>
<thead>
<tr>
<th>Course code:</th>
<th>OF/VŽ/O-V14 or OF/VŽ/O-U18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching staff:</td>
<td>Clinic of Maxillofacial Surgery</td>
</tr>
<tr>
<td>Number of credits:</td>
<td>KMU – 4, ECTS – 6</td>
</tr>
<tr>
<td>Objective of the course:</td>
<td>Improvement of theoretical and practical skills in maxillofacial surgery.</td>
</tr>
<tr>
<td>Course content:</td>
<td>Students improve and apply theoretical knowledge and professional skills in patient’s examination, local anaesthesia, tooth extraction, inflammations of maxillofacial area, traumas of maxillofacial area, oncologic diseases of maxillofacial areas, diseases and injuries of facial nerves, diseases of salivary glands, congenital and acquired anomalies and deformations of maxillofacial area.</td>
</tr>
<tr>
<td>Recommended reading:</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Teaching methods:</th>
<th>Lectures (20 hrs), practical works (100 hrs), independent work (40 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessment methods:</td>
<td>Credit test</td>
</tr>
<tr>
<td>Language:</td>
<td>Lithuanian or English</td>
</tr>
</tbody>
</table>

### ORTHODONTICS AND CLINICAL PRACTICE  
**COMPULSORY COURSE**

<table>
<thead>
<tr>
<th>Course code:</th>
<th>OF/ORD/O-V09 or OF/ORD/O-U09</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching staff:</td>
<td>Clinic of Orthodontics</td>
</tr>
<tr>
<td>Number of credits:</td>
<td>KMU – 2, ECTS – 3</td>
</tr>
<tr>
<td>Objective of the course:</td>
<td>To get knowledge about orthodontic treatment planning, principles of treatment and prevention, methods and appliances. To understand risk-benefit appraisal for the individual patient and adverse affects.</td>
</tr>
</tbody>
</table>

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Teaching methods: Lectures (10 hrs), practical works (40 hrs), seminars (10 hrs), independent work (20 hrs)

Assessment methods: Credit test

Language: Lithuanian or English

Elective Courses

<table>
<thead>
<tr>
<th>No.</th>
<th>Course code</th>
<th>Subject</th>
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<tbody>
<tr>
<td>1.</td>
<td>MF/AKG/O-V04</td>
<td>General Bases of Obstetrics and Gynaecology</td>
</tr>
<tr>
<td>2.</td>
<td>MF/RAD/O-V03</td>
<td>Radiation Protection and Modern Radiology in Odontology</td>
</tr>
<tr>
<td>3.</td>
<td>MF/RAD/O-U03*</td>
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</tr>
<tr>
<td>4.</td>
<td>OF/VOK/O-V17</td>
<td>Periodontal and Oral Mucosa Diseases in Children</td>
</tr>
<tr>
<td>5.</td>
<td>OF/VOK/O-V18</td>
<td>Treatment of Non-Carious Dental Diseases and Dental Trauma in Children</td>
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<tr>
<td>6.</td>
<td>OF/VZ/O-V07</td>
<td>Professional Dental Hygiene</td>
</tr>
<tr>
<td></td>
<td>OF/VZ/O-U07*</td>
<td>Implantation by Means of Screw Shaped and Cylindrical Implants</td>
</tr>
</tbody>
</table>

*for foreign students

GENERAL BASES OF OBSTETRICS AND GYNAECOLOGY

ELECTIVE COURSE

Course code: MF/AKG/O-V04

Teaching staff: Clinic of Gynaecology and Obstetrics

Number of credits: KMU – 2, ECTS – 3

Objective of the course: To teach students to diagnose pregnancy, measure gestational age of the fetus, educate basic issues of prenatal care, distinguish preterm pregnancy and understand physiology of labour and delivery.

Course content: Diagnosis of pregnancy, measurements of gestational age of the fetus, estimation of basic screening tests in the prenatal care, screening for urogenital infections, ultrasound screening, measurements of the uterine fundal height and the position of the foetus inside using external obstetric examination, evaluation of mechanism and duration of labour and delivery, monitoring of condition of the fetus during pregnancy and labour, evaluation of normal postpartum period.


Teaching methods: Lectures (20 hrs), practical works (14 hrs), seminars (26 hrs), independent work (20 hrs)

Assessment methods: Credit test

Language: Lithuanian

RADIATION PROTECTION AND MODERN RADIOLOGY IN ODONTOLOGY

ELECTIVE COURSE

Course code: MF/RAD/O-V03 or MF/RAD/O-U03

Teaching staff: Department of Radiology

Number of credits: KMU – 2, ECTS – 3

Objective of the course: To train specificity of radiological performance, means of radiation protection in radiological odontological practice.


Teaching methods: Lectures (8 hrs), practical works (14 hrs), seminars (38 hrs), independent work (20 hrs)

Assessment methods: Credit test

Language: Lithuanian or English

PERIODONTAL AND ORAL MUCOSA DISEASES IN CHILDREN ELECTIVE COURSE

Course code: OF/VOK/O-V17
Teaching staff: Clinic of Oral Health and Paediatric Dentistry
Number of credits: KMU – 2, ECTS – 3
Objective of the course: To teach students risk factors (etiology), pathogenesis, clinical manifestations and treatment options.

Course content: The course is covering studies about structure of periodontium in children and adolescents, differences with adults. Different well known and possible risk factors of periodontal diseases are discussed. Classification of periodontal diseases: gingivitis, periodontitis. Main and auxiliary methods of examination are studied as well as treatment and prevention. Functions of oral mucosa. Clinical appearance of diseases different origin (viral, bacterial, fungal, allergic). Chemical, mechanical, physical trauma of a soft tissue: risk factors, clinics, first aid. Lip and tongue disease in children and adolescents.


Teaching methods: Lectures (8 hrs), practical works (22 hrs), seminars (30 hrs), independent work (20 hrs)

Assessment methods: Credit test

Language: Lithuanian

TREATMENT OF NON-CARIOUS DENTAL DISEASES AND DENTAL TRAUMA IN CHILDREN ELECTIVE COURSE

Course code: OF/VOK/O-V18
Teaching staff: Clinic of Oral Health and Paediatric Dentistry
Number of credits: KMU – 2, ECTS – 3
Objective of the course: To give knowledge about the risk factors and development of non-carious diseases developing during tooth formation period and complicated dental traumas in primary and permanent dentition.


Teaching methods: Practical works (30 hrs), seminars (30 hrs), independent work (20 hrs)

Assessment methods: Credit test
PROFESSIONAL DENTAL HYGIENE ELECTIVE COURSE

Course code: OF/VOK/O-V19
Teaching staff: Clinic of Oral Health and Paediatric Dentistry
Number of credits: KMU – 2, ECTS – 3
Objective of the course: To prove the importance of professional dental hygiene in prevention of oral diseases. To develop clinical skills in performing of professional dental hygiene procedure.

Course content: The importance of professional dental hygiene in prevention of oral diseases. Developing of the clinical skills in performing of professional dental hygiene procedure. Students get knowledge to explain patients the importance of professional dental hygiene in dental health care, to select proper instrumentation for the performing of certain procedure. Understanding the importance of professional dental hygiene in complex treatment of periodontal diseases. Examination patients with periodontal problems by performing main and supplemental methods of examination, making proper diagnosis and treatment plan, performing individual oral hygiene instructions by selecting of particular main and auxiliary hygiene measures, performing scaling and root planning.

Recommended reading:

Teaching methods: Practical works (30 hrs), seminars (30 hrs), independent work (20 hrs)
Assessment methods: Credit test
Language: Lithuanian

IMPLANTATION BY MEANS OF SCREW SHAPED AND CYLINDRICAL IMPLANTS ELECTIVE COURSE

Course code: OF/VŽ/O-V07 or OF/VŽ/O-U07
Teaching staff: Clinic of Maxillofacial Surgery
Number of credits: KMU – 2, ECTS – 3
Objective of the course: To introduce with the clinical aspects of dental implantology, preparation of implants, indications and contraindications of implantation, procedures of implantation, possible complications, etc.

Course content: Students are introduced with the opportunities of implantation of partial or completely edentulous patients and the peculiarities of implantation in the maxilla and mandible areas. During the course students perform one implantation procedure by themselves and prepare papers on implantation topics.

Recommended reading:

Teaching methods: Practical works (6 hrs), seminars (50 hrs), independent work (24 hrs)
Assessment methods: Credit test
Language: Lithuanian or English