

UNIVERSITY OF THESSALONIKI
DENTAL SCHOOL
Erasmus Plus Program for exchange students (in English)

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Department of Removable Prosthodontics
Head: Prof. Argirios Pissiotis

Winter and Spring Semester: Complete Dentures and Removable Partial Dentures

Course 10V01 3 ECTS

Course supervisor: Argiris L. Pissiotis DMD, MSc, Dr. Dent, Professor

Course summary:

A. Complete Dentures

The course provides a comprehensive approach to constructing complete dentures for edentulous patients. Beginning with clinical examination of edentulous mouths, medical and dental history of the patient focusing on the patient's attitude concerning denture treatment and possible treatment difficulties, and preliminary impression techniques the student is then directed to the laboratory and prepares working casts from the impressions and constructs the custom impression trays. In the clinic he tries in the custom trays and continues with border molding and final impressions. The denture bases are then processed and the next clinical step is to determine the vertical dimension of occlusion followed by recording of the centric relation. The course continues in the laboratory with the tooth setup followed by the denture try-in in the clinic. The dentures are then processed and are delivered to the patient. The student's responsibility ends with the post-delivery adjustments necessary for each case.

B. Removable Partial Dentures

The course provides a comprehensive approach to constructing partial dentures for partially dentate patients. The emphasis is placed on the clinical stages of the construction of partial dentures. The first step is to carry out a detailed assessment and record all useful information, which is evaluated in the formulation of the treatment plan. Major part of the decision-making includes patient involvement and is based on the particular prognosis for each individual case. Preliminary impression techniques are applied and lead to the construction of study casts. Surveying the study casts all possible treatment difficulties concerning the status of remaining teeth are evaluated in conjunction with the evaluation of radiographs obtained during examination. Following surveying of the study casts and registration of jaw relationship, which is transferred to the articulator, the final design of the partial denture is considered including all parts of partial denture (classify and outline the saddles, provide support, direct and indirect retention,

unite various components with connectors) in association with the knowledge of the occlusion between the opposing teeth. All preparation of the mouth is carried out at the Department of Fixed and Implant Prosthodontics and when completed an impression is obtained to produce the working cast on which the partial denture is constructed. The prescription writing includes the design of a metal framework. The subsequent clinical stages are the metal frame try in, registration of patient's jaw relationships and selection of artificial teeth. The course continues with the denture try in the clinic after the set up of artificial teeth and the denture base construction by the technician. The partial denture is then processed and is delivered to the patient. The student's responsibility is completed with the review stages of treatment for adjustments and management of patient's complaints.

Method: Clinical stages are carried out in the clinic of the Department of Removable Prosthodontics. Laboratory stages are carried out in commercial laboratories.

Course duration: 3 hours weekly for 12 weeks

Handouts: Photocopies of book chapters and articles describing the theoretical knowledge for the above-mentioned procedures

Students on a three month exchange will join the course in the beginning and follow it to the duration of their stay and most probably will be able to attend until the denture try-in stage.

Department of Fixed Prosthesis and Implant Prosthodontics
Head: Prof. Petros Koidis

Crown and Bridge Construction Winter and Spring Semesters:

Course 10V02 3 ECTS

Course supervisor: Dimitrios Tortopidis DDS, Dr. Dent, Assistant Professor

Course summary

The course provides a comprehensive approach to constructing crown and bridges for partially edentulous patients. Beginning with clinical examination, medical and dental history, study models and x-rays examinations, the student attends on the designation of the appropriate treatment plan adapted to the needs of each particular case. The above mentioned treatment plan is designed by both the responsible professor and the Greek undergraduate students.

After the treatment plan has been completed the certain clinical procedures of constructing fixed prostheses follows, with the strict supervision of clinical instructors according to the protocol of the department.

The student has the opportunity to attend the case of his interest from the big variety of cases which are constructed in the clinic of Fixed Prosthodontics, such as single crowns, post and core techniques, fixed bridges, acid-etching restorations, perio-prosthetics and more extensive rehabilitations. There is no possibility for the students to work by their own patients but just to attend all the clinical procedures made by Greek undergraduate students.

The student has the opportunity to have focused courses within this module in Physiology of the Orofacial System, Occlusion and Temporomandibular disorders (TMD)

Method: All clinical stages are carried out in the clinic and laboratory stages are carried out in certain private laboratories outside the school.

Course duration: 3 hours weekly for 12 weeks

Handouts: Photocopies of book chapters and articles describing the theoretical knowledge of the above-mentioned procedures.

Students of a three-month exchange will join the course in the beginning and attends during their stay.

Department of Oral and Maxillofacial Surgery
Head: Prof. Konstantinos Antoniadis

Oral and Maxillofacial Surgery
Course 10V03 3 ECTS

Course supervisor: Lambros Zouloumis DMD, MD, Dr. Dent,
Associate Professor

Course summary

The course provides a comprehensive approach to treating patients by surgery on oral and maxillofacial area. Beginning with clinical examination of the oral cavity and the surrounding region, the medical and dental history is completed focusing on the final treatment plan. It is based on the presurgical diagnostic criteria including radiographic examination (plain orthopantomogram, X-ray films, CT-scan or MRI) and biopsy of suffering tissues. The student is then directed to the operating room attending the operation applied by local or general anesthesia. The immediate postoperative medication and the further directions given to the patient are part of the educational program.

Method

The student will be able to attend and/or participate in all cases treated by local anesthesia on the operating room of the Department of Oral and Maxillofacial Surgery of the Dental School and -optional- of the General Hospital "G. Papanikolaou" for patients who are treated by general anesthesia.

Course duration: 2 hours weekly for 12 weeks.

Handouts: Photocopies of book chapters and articles describing the theoretical knowledge of the attached fields.

A. Oral and Maxillofacial Surgery WINTER SEMESTER
Course 10V03W 3 ECTS

1. Mechanical injuries – management and treatment of trauma complications.
2. Common causes by the presence of surgical infections.
3. Surgical incisions and rules for their development, intra-and extra oral incisions, applications.

4. Bone grafts; basic criteria, autogenous, alloplastic, autologous.
5. Orofacial infections by dental origin – mechanisms of spread into the facial and neck spaces. Anatomy of extraoral spaces being in continuity with the oral cavity.
6. Clinical appearance of extraoral dentoalveolar infections. Immediate and regular treatment.
7. Acute and chronic osteomyelitis, clinical and radiographic characteristics, treatment.
8. Mandibular fractures, diagnosis, treatment.
9. Fractures of the middle face (Le Fort I, II, III), diagnosis, treatment.
10. Neoplasms of salivary glands, benign and malignant Treatment by the surgical point of view.
11. Ward-rounds in “G. Papanikolaou” hospital (optional).

B. Oral and Maxillofacial Surgery SPRING SEMESTER

Course 10V03S 3 ECTS

1. Surgical techniques for oral surgery.
 2. Cysts of the jaws. Aetiology, diagnosis, periodontal or congenital cysts, treatment.
 3. Apicectomy.
 4. Temporomandibular joint. Anatomy – Function – disease - Treatment.
 5. Maxillary sinus – relations with oral cavity.
 6. Mandibular fractures in general.
 7. Fractures of the middle 3rd of the face in general.
 8. Salivary glands – Neoplasms.
 9. Oral cancer – Treatment – Grafts and Flaps.
 10. Odontogenic tumors.
 11. Sarcomas – Treatment.
 12. Sarcomas
- Ward – rounds in General Hospital “G. Papanikolaou” (optional).

Department of Oral Medicine and Oral Pathology
Head: Prof. Alexandros Kolokotronis

Oral Medicine and Oral Pathology Winter and Spring Semesters
Course 10V04 3 ECTS

Course Supervisor: Athanasios Poulopoulos DMD, Dr. Dent,
Associate Professor

Course Summary: Initially the students are taught theoretically and microscopically the elemental lesions of the oral cavity. They then attend the clinic of the Department of Oral Medicine and Oral Pathology where they examine clinically patients suffering from the most often diseases which occur in the oral cavity. They are also informed about the appropriate treatment and the follow-ups of the patients when this is necessary.

The oral manifestations of diseases in the oral cavity comprise of: Vesiculo-bullous diseases, Ulcerative conditions, White lesions, Red-Blue lesions, Pigmentations of the oral mucosa, Verrucal-papillary lesions, Connective tissue lesions and Salivary gland diseases.

Course Duration: 2 hours weekly for twelve weeks

Handouts: Photocopies of textbook chapters and articles describing the above-mentioned diseases.

Department of Operative Dentistry
Head: Professor : Eugenia Kolinioti-Koumpia

Operative Dentistry

Winter Semester and Spring Semesters: Amalgam, Composite Resin and Inlay Restorations

Course 10V05 3 ECTS

Course supervisor: Effrosyni Tsitrou DMD, Dr. Dent, Assistant Professor

Course summary: The course provides an approach to cavity preparations and restorations with amalgam, composite resin, glass ionomer, compomer and inlays (cast gold, composite resin and porcelain). In the beginning the students perform clinical and X-ray examination and register the diagnosis. Then a discussion on treatment planning with a supervisor is conducted. The students prepare cavities for amalgam, composite resin, glass ionomer, compomer and inlay restorations and restore the cavities under instructions of the staff of the clinic of Operative Dentistry.

Course duration: 3 hours weekly for 12 weeks

Handouts: Photocopies of book chapters and articles describing the above mentioned cavity preparations and restorations.

Department of Dento-alveolar/Implant Surgery and Radiology
Head: Professor Anastasios Tsirlis

Dentoalveolar and Implant Surgery Winter and Spring Semesters

Course 10V06 3 ECTS

Course supervisor: Alexandros Veis, DMD, Dr. Dent, Assistant Professor

Course Summary: The curriculum is offered in the winter and the Spring Semesters and provides knowledge on Oral Surgery, Surgical Implantology and Anaesthesiology. The visiting exchange student watches the stages of teeth extractions, performed by the undergraduate students in our clinic. At the same time the exchange student will watch surgical operations performed on outpatients. The above-mentioned operations comprise the surgical extraction of impacted and semi-impacted teeth, apicectomy of teeth with periapical lesions, surgical placement of implants and guided bone regeneration techniques.

Course duration: 3 hours per week for 12 weeks

Handouts: Copies of textbook chapters are provided, which describe techniques of local anaesthesia, complications during and after tooth extractions, and the osseointegration of Dental Implants

Department of Preventive Dentistry, Periodontology and Implant Biology
Head: Professor Sotirios Kalfas

Periodontology and Implant Biology Spring and Winter Semesters

Course 10V07 3 ECTS

Course supervisor: Ioannis Vouros, DMD, Dr. Dent, Associate Professor

Course summary: The program is designed to provide knowledge in the field of non-surgical treatment of initial to moderate periodontal disease. In order to be able to follow the course the student must be familiar with the basic topics of examination and diagnosis of the periodontal patient. The visiting student will have the opportunity to attend the undergraduate clinical course of the Department of Preventive Dentistry and Periodontology in the 7th or 8th semester. He will be acquainted with the topics related to periodontal examination, diagnosis, treatment planning and non-surgical therapy of initial to moderate periodontitis. Specifically he will become familiar with the monitoring of the periodontal patient, making a proper diagnosis and suggesting and discussing a treatment plan. Furthermore by assisting the undergraduate students he will be trained in the measures of the initial periodontal therapy such as patient motivation, oral hygiene instruction, scaling and root planing, removal of additional plaque retention factors. In addition he becomes familiar with the use and maintenance of the periodontal instrumentarium for non-surgical therapy (scalers, curettes, ultrasonics). Finally he will have the opportunity to evaluate the results of the performed treatment with a recall examination.

Method: The course is held in the undergraduate clinic of the Department of Preventive Dentistry, Periodontology and Implant Biology.

Course duration: 2 hours weekly for 10 weeks

Handouts: Photocopies of book chapters and articles describing the theoretical knowledge for the above-mentioned procedures.

DEPARTMENT OF ORTHODONTICS

Head: Professor Moschos A. Papadopoulos

Orthodontics Winter Semester

Course 10V08W 3 ECTS

Course supervisor: Moschos A. Papadopoulos, DDS, Dr Med Dent, Professor

Course summary: The course aims to provide theoretical and clinical knowledge concerning the basic principles of diagnosis and treatment planning of malocclusions. The course includes theoretical lectures, active participation at the Undergraduate Orthodontics Clinic and attendance of the Postgraduate Orthodontic Clinic.

During the ***theoretical lectures*** following subjects will be discussed: Orthodontic Diagnosis, The Development of a Problem List, Orthodontic Treatment Planning, Orthodontic Treatment with Fixed Appliances, Treatment of Complex Non-Skeletal Problems in Preadolescent Children, Treatment of Skeletal Problems in Preadolescent Children, Comprehensive Orthodontic Treatment in the Early Permanent Dentition, Adjunctive and Comprehensive Treatment for Adults, and Combined Surgical – Orthodontic Treatment.

During the active participation at the ***Undergraduate Orthodontics Clinic*** the students (groups of 4) will have the opportunity to treat a young patient with a moderate non-skeletal problem under the supervision of an instructor.

Attending the ***Postgraduate Orthodontics Clinic*** the students will have the opportunity to observe and discuss various treatment approaches of many patients treated by the postgraduate students of the department.

Course Duration:

- *Postgraduate Clinic*, Monday, 10:00-12.00, 1st floor (2 hours)
- *Undergraduate Program, Theoretical Seminar & Undergraduate clinic*, Tuesday, 12:00-14:00, 1st floor (2 hours)

Literature:

1. Proffit WR. *Contemporary Orthodontics*. St. Louis: Mosby, 2000: 145-293, 385-416, 449-709.

DEPARTMENT OF ORTHODONTICS

Head: Professor Moschos A. Papadopoulos

Orthodontics Spring Semester

Course 10V08S 3 ECTS

Course supervisor: Moschos A. Papadopoulos, DDS, Dr Med Dent, Professor

Course summary: The course aims to provide theoretical and practical knowledge concerning the basic principles of craniofacial growth and development, etiology of malocclusion and orthodontic treatment of moderate occlusal problems in preadolescent children. The course includes theoretical lectures, laboratory exercises and attendance of the Postgraduate Orthodontic Clinic.

The ***theoretical lectures*** include the following topics: Introduction to Orthodontics, Malocclusion and Dentofacial Deformities, Concepts of Craniofacial Growth and Development, Etiology of malocclusion, The Biologic Basis of Orthodontic Treatment, Orthodontic Treatment with Removable Appliances, and Treatment of Moderate Occlusal Problems in Preadolescent Children.

During the ***laboratory exercises*** the students will have the opportunity to learn how to bend orthodontic wires in order to produce wire elements used for the fabrication of removable appliances.

Attending the ***Postgraduate Orthodontics Clinic*** the students will have the opportunity to observe and discuss various treatment approaches of many patients treated by the postgraduate students.

Course Duration:

- *Postgraduate Clinic*, Monday, 10:00-12:00, 1st floor (2 hours)

- *Undergraduate program, Laboratory, Friday, 08:00-10:00, 3rd floor, Room III (2 hours)*
- *Undergraduate program, Theoretical Seminar, Tuesday, 10:00-12:00, 1st underground, Room A (1 hour)*

Literature:

1. Proffit WR. Contemporary Orthodontics. St. Louis: Mosby, 2000: 1-144, 295-325, 364-384, 418-448.

Department of Endodontology
Head: Professor Kleoniki Lyroudia

Endodontology

Winter and Spring Semesters: Clinical Endodontics
Course 10V09 3 ECTS

Course Supervisor: Economides Nikolaos DMD, Dr. Dent,
Associate Professor

Course summary: The course is based on attending clinical endodontic practice in single-rooted teeth with pulpal or periapical pathosis:

- Clinical diagnosis
- Case selection and treatment planning
- Cleaning, shaping and obturation of the root canal

Method: Clinical courses are carried out in the clinic of the Department of Endodontology.

Course duration: 4 hours weekly for 12 weeks.

Handouts: Photocopies of textbook chapters and articles describing the theoretical knowledge for the above-mentioned procedures.

Students on a three month exchange will join the course in the beginning and follow it to the duration of their stay and most probably will be able to attend all stages of root canal treatment of 2 teeth.

Department of Paediatric Dentistry
Head: Professor Nikolaos Kotsanos

Paediatric Dentistry
Course 10V10 3 ECTS

Winter Semester (9th semester)
Course 10V10W 3 ECTS

The course aims to provide theoretical and clinical knowledge concerning diagnosis and treatment on pediatric dentistry. The course includes theoretical (seminars and lectures), active participation at the Undergraduate Paediatric Dentistry Clinic and attendance of the Postgraduate Paediatric Dentistry Clinic.

The *seminars* include the following: Behavior management, clinical and radiographic examination, successful local analgesia, management of dental anomalies, dental caries, restoration and endodontics of primary teeth, use of preformed crowns, dental trauma, total patient care, follow-up and recall, occlusal guidance and space maintenance, oral pathology and periodontology in the young, dentistry for children and adolescents with disabilities.

Every Tuesday OR Wednesday 13.00-15.00 (ημέρα και ώρα δεν είναι σίγουρο ακόμα)

The lectures include the following: Content of paediatric dentistry, physical growth, mental development & psychological maturation, dental fear and anxiety, mentoring a child's behavior, communicative child behavior management, pharmacological behavior management (sedation/general anesthesia), anatomical differences of deciduous-permanent teeth, the use of rubber dam, class II preparations in primary molars, tooth preparation and fitting of preformed metal crowns, pulpotomy procedure and deciduous teeth root canal therapy, teeth immobilization after oral injury.

Every Friday 12.00-13.00 (η ημέρα είναι σίγουρη αλλά η ώρα δεν είναι σίγουρη ακόμα)

The *clinical exercise* include:

(a) the active participation at the Undergraduate Paediatric Dentistry Clinic (groups of 4 students) in order to provide complete dental treatment to children and adolescents under the supervision of an instructor.

Every Wednesday OR Thursday 8.00-12.00 (ημέρα και ώρα δεν είναι σίγουρο ακόμα)

(b) attending the Postgraduate Paediatric Dentistry Clinic will provide the student the opportunity to observe and discuss various treatment approaches of many children and adolescents treated by the postgraduate students of the department (under the supervision of an instructor).

Every Monday, Tuesday and Friday 10.00-15.00 and every Wednesday and Thursday 8.00-15.00.

Spring Semester (10th Semester)

Course 10V10S 3 ECTS

The course aims to provide clinical knowledge concerning diagnosis and treatment on paediatric dentistry.

The *clinical exercise* include:

(a) the active participation at the Undergraduate Paediatric Dentistry Clinic (groups of 4 students) in order to provide complete dental treatment to children and adolescents under the supervision of an instructor.

Every Wednesday OR Thursday 8.00-12.00 (ημέρα και ώρα δεν είναι σίγουρο ακόμα)

(b) attending the Postgraduate Paediatric Dentistry Clinic will provide the student the opportunity to observe and discuss various treatment approaches of many children and adolescents treated by the postgraduate students of the department (under the supervision of an instructor).

Every Monday, Tuesday and Friday 10.00-15.00 and every Wednesday and Thursday 8.00-15.00.