PROGRAM INFORMATION

Program Name and Degree Awarded

Program name is Dentistry. Graduates of the program will receive the title of Doctor of Dental Surgery (DDS).

Duration of Studies

The faculty of dentistry program lasts for 10 semesters (5 years).

Total Credits / ECTS

The program follows a curriculum with 251 credits (300 ECTS).

Language of Instruction

The language of education is English

Mission and Vision

Vision

To maintain its position among institutions leading the development of the profession with high quality education and intensive research and development activities.

To maintain its position among institutions providing contemporary and quality services using advanced technology, and to achieve excellence in terms of patient satisfaction.

To be a premier institution globally recognized for excellence in dental education, research, and clinical care.

To continually innovate and adapt to the evolving needs of the dental profession and society, staying at the forefront of dental science and technology.

To cultivate a diverse and inclusive learning environment that fosters collaboration, creativity, and lifelong learning among students, faculty, and staff.

To make significant contributions to the improvement of oral health on both local and global scales, ultimately enhancing the quality of life for individuals and communities worldwide.

Mission

To contribute to the field of dentistry at national and international standards through research and development activities.

To provide contemporary and quality healthcare services for the oral and dental health of the community.

To educate graduates who act with professionalism, respect ethical values, are sensitive to the health needs of society, prioritize humane values, are competent in professional practice, and embrace the principle of lifelong learning.

To provide exceptional education and training to future dental professionals, equipping them with the knowledge, skills, and values necessary for successful careers in dentistry.

To conduct cutting-edge research in various fields of dentistry, contributing to advancements in oral health care and addressing pressing oral health issues.

To serve the community by offering high-quality dental services, promoting oral health awareness, and engaging in outreach programs to underserved populations.

To uphold the highest ethical standards and professionalism in all aspects of dental education, research, and practice.

Program Objectives

The faculty of dentistry educational objectives are summarized as follows;

After studying in the Dentistry program, the students should be able to:

EO1: Knows and integrate biomedical science, clinical sciences with basic knowledge of histology, anatomy, pathology and physiology related to dentistry.

EO2: Has detailed information regarding the anatomy, morphology, and inner and out-er shape of all permanent and primary teeth, in addition to knows the pulp and periapical anatomy of these teeth.

EO3: Recognize and evaluate the systemic and local etiology, sign and symptoms of oral and dental diseases; ability to differential diagnosis and treatment.

EO4: Ability to prevent cross-infections in the dental clinic and diseases prevention to dental staff and communities.

EO5: Recognize the association between the systemic conditions of the patients and the orofacial tissues; understand biochemical tests and drug effects and takes first aid measures.

EO6: Has detailed knowledge about all dental materials and equipment used in dentis-try field.

EO7: Ability to educate patients about preventive procedures and oral hygiene meas-urements with knowing the ethical principles of the profession of Dentistry.

EO8: Ability to apply the ideal treatment approach for each dental case individually and creating multidiscipline management for these cases, refer the patient to special-ist if necessary in some conditions.

EO9: Awareness of keeping the patient informed about the dental procedures and complications, protects the patient's right, builds an influential communication with patient based on trust and respect without discrimination.

EO10: Awareness of improving himself/herself continuously by following the advanced and up-to-date scientific information using foreign languages, Knowing the im-portance of lifelong learning and professional development.

EO11: Manage and lead the teamwork in dentistry and apply the current principles of business, financial and human resource.

Program Learning Outcomes

The program outcomes for the faculty of dentistry are listed below. Students graduating from the program

PO1: Know and integrate biomedical science, clinical sciences with basic knowledge of histology, anatomy, pathology and physiology related to dentistry.

PO2: Have detailed information regarding the anatomy, morphology, and inner and outer shape of all permanent and primary teeth, in addition to knows the pulp and periapical anatomy of these teeth.

PO3: Recognize and evaluate the systemic and local etiology, sign and symptoms of oral and dental diseases; ability to differential diagnosis and treatment.

PO4: Have ability to prevent cross-infections in the dental clinic and diseases prevention to dental staff and communities.

PO5: Recognize the association between the systemic conditions of the patients and the orofacial tissues; understand biochemical tests and drug effects and takes first aid measures.

PO6: Have detailed knowledge about all dental materials and equipment used in dentistry field.

PO7: Have ability to educate patients about preventive procedures and oral hygiene measurements with knowing the ethical principles of the profession of Dentistry.

PO8: Have ability to apply the ideal treatment approach for each dental case individually and creating multidiscipline management for these cases, refer the patient to specialist if necessary in some conditions.

PO9: Have awareness of keeping the patient informed about the dental procedures and complications, protects the patient's right, builds an influential communication with patient based on trust and respect without discrimination.

PO10: Have awareness of improving himself/herself continuously by following the advanced and up-to-date scientific information using foreign languages, Knowing the importance of lifelong learning and professional development.

PO11: Manage and lead the teamwork in dentistry and apply the current principles of business, financial and human resource.

Curriculum

The Dentistry program is a five-year degree program with ten semesters. Each year consists of two semesters. The program has 110 modules in total, under which 91 modules are compulsory, and 19 modules are elective courses. with a total of 232 credits and 300 ECTS. The updated curriculum is given in Tables 1-10. Additionally, the students write a graduation project thesis in the last 2 semesters. During the first six semesters, the students take 34 compulsory modules and 9 elective ones, which include theoretical and practical modules. During the last four semesters, the students take 50 compulsory and 10 elective courses, which consist of theoretical and clinical courses.

Table 1: Program of Year 1 Fall Semester

Type	Code	Course Name	Hour			ECTS
			T	P	Credit	
Compulsory	**DENT111**	**Module I - Basic Sciences I**	10	2	11	**12**
		Physiology (14 H:T) Biochemistry (28 H:T) Organic Chemistry (28 H:T) Anatomy (28 H:T - 14 H:P) Histology (14 H:T - 14 H:P) Biophysics (14 H:T) Medical Biology (14 H:T)				
Compulsory	**DENT123**	**Dental Anatomy and Occlusion I**	2	4	4	**4**
Compulsory	**DENT117**	**History and Development of Dentistry as a Profession**	2	0	2	**2**
Compulsory	**DENT119**	**Professionalism in Dentistry**	2	0	2	**4**
		Health Management (14 H:T) Health Psychology (7 H:T) Health Sociology (7 H:T)				
Compulsory	**COM101**	**English I**	3	0	3	**3**
Elective		**Elective I**	3	0	3	**5**
			22	**6**	**25**	**30**

Table 2: Program of Year 1 Spring Semester

Type	Code	Course Name	Hour			ECTS
			T	P	Credit	
Compulsory	**DENT112**	**Module II - Basic Sciences II** Anatomy (14 H:T - 28 H:P) Histology & Embryology (28 H:T) Physiology (28 H:T) Biophyıcs (18 H:T) Genetics (28 H:T) Biochemistry (14 H:T) Pedodontics (4 H:T) Orthodontics (6 H:T)	10	2	11	**12**
Compulsory	**DENT124**	**Dental Anatomy and Occlusion II**	2	4	4	**7**
Compulsory	**DENT118**	**Deontology**	2	0	2	**4**
Compulsory	**COM106/ ORT106**	**Turkish**	2	0	2	**2**
Compulsory	**COM108/ ORT108**	**History**	2	0	2	**2**
Compulsory	**COM110**	**English II**	3	0	3	**3**
			21	**6**	**24**	**30**

Table 3: Program of Year 2 Fall Semester

Type	Code	Course Name	Hour			ECTS
			T	P	Credit	
Compulsory	**DENT221**	**Module III - Head and Neck and Introductıon to Dentistry** Physiology (28 H:T) Anatomy (14 H:T - 28 H:P) Histology (14 H:T - 14 H:P) Pathology (14 H:T)	5	3	6	**7**
Compulsory	**DENT223**	**Prosthetic Dentistry I (Theory)**	2	0	2	**2**
Compulsory	**DENT225**	**Prosthetic Dentistry I (Practice)**	0	4	2	**2**
Compulsory	**DENT227**	**Operative Dentistry I (Theory)** Restorative Dentistry (14 H:T) Endodontics (14 H:T) Pedodontics (14 H:T) Dentomaxillofacial Radiology (14 H:T)	4	0	4	**4**
Compulsory	**DENT229**	**Operative Dentistry I (Practice)** Restorative Dentistry (56 H:P) Endodontics (28 H:P) Pedodontics (14 H:P) Dentomaxillofacial Radiology (14 H:P)	0	8	4	**6**
Elective		**Elective II**	3	0	3	**4**
Elective		**Elective III**	3	0	3	**5**

			17	**15**	**24**	**30**

Table 4: Program of Year 2 Spring Semester

Type	Code	Course Name	Hour			ECTS
			T	P	Credit	
Compulsory	**DENT222**	**Module IV - Infectious Diseases and their Management** Pharmacology (28 H:T) Microbiology & Immunology (28 H:T)	4	0	4	**6**
Compulsory	**DENT224**	**Prosthetic Dentistry II (Theory)**	2	0	2	**2**
Compulsory	**DENT226**	**Prosthetic Dentistry II (Practice)**	0	4	2	**2**
Compulsory	**DENT228**	**Operative Dentistry II (Theory)** Restorative Dentistry (14 H:T) Endodontics (14 H:T) Pedodontics (14 H:T) Dentomaxillofacial Radiology (14 H:T) Materials (4 H:T)	4	0	4	**6**
Compulsory	**DENT230**	**Operative Dentistry II (Practice)** Restorative Dentistry (56 H:P) Endodontics (28 H:P) Pedodontics (14 H:P) Dentomaxillofacial Radiology (14 H:P)	0	8	4	**6**
Elective		**Elective IV**	3	0	3	**4**
Elective		**Elective V**	3	0	3	**4**

			16	**12**	**22**	**30**

Table 5: Program of Year 3 Fall Semester

Type	Code	Course Name	Hour			ECTS
			T	P	Credit	
Compulsory	**DENT321**	**Module V - Oral Health and Pathology** Biostatistics (7 H:T - 14 H:P) Epidemiology (7 H:T) Oral Pathology (28 H:T) Oral Disease (10 H:T) Cariology (4 H:T)	4	1	4	**5**
Compulsory	**DENT323**	**Prosthetic Dentistry III (Theory)**	2	0	2	**2**
Compulsory	**DENT325**	**Prosthetic Dentistry III (Practice)**	0	6	3	**3**
Compulsory	**DENT327**	**Endodontics I (Theory)**	1	0	1	**1**
Compulsory	**DENT329**	**Endodontics I (Practice)**	0	4	2	**2**
Compulsory	**DENT331**	**Operative Dentistry III (Theory)** Restorative Dentistry (28 H:T) Pedodontics (14 H:T) Periodontology (14 H:T)	4	0	4	**5**
Compulsory	**DENT333**	**Operative Dentistry III (Practice)** Restorative Dentistry (42 H:P) Pedodontics (28 H:P) Periodontology (14 H:P)	0	7	3	**4**

Elective		**Elective VI**	3	0	3	**4**
Elective		**Elective VII**	3	0	3	**4**
			17	**18**	**25**	**30**

Table 6: Program of Year 3 Spring Semester

Type	**Code**	**Course Name**	**Hour**			**ECTS**
			T	**P**	**Credit**	
Compulsory	**DENT322**	**Module VI - Orofacial Pain and Management** Clinical Pharmacology (28 H:T) Anesthesia and Basic Life Support (28 H:T)	4	1	4	**5**
Compulsory	**DENT324**	**Prosthetic Dentistry IV (Theory)**	2	0	2	**2**
Compulsory	**DENT326**	**Prosthetic Dentistry IV (Practice)**	0	6	3	**3**
Compulsory	**DENT328**	**Endodontics II (Theory)**	1	0	1	**1**
Compulsory	**DENT330**	**Endodontics II (Practice)**	0	4	2	**2**
Compulsory	**DENT332**	**Operative Dentistry IV (Theory)** Surgery (28 H:T) Radiology (28 H:T) Orthodontics (28 H:T)	4	0	4	**4**
Compulsory	**DENT334**	**Operative Dentistry IV (Practice)** Surgery (28 H:P) Radiology (28 H:P) Orthodontics (28 H:P)	0	7	3	**5**
Elective		**Elective VIII**	3	0	3	**4**

Elective		**Elective IX**	3	0	3	**4**
			17	**18**	**25**	**30**

Table 7: Program of Year 4 Fall Semester

Type	Code	Course Name	Hour			ECTS
			T	P	Credit	
Compulsory	**DENT401**	**Module VII - Dental Care for Patients wıth Special Needs** Prosthodontics (6 H:T) Pedodontics (6 H:T) Periodontology (5 H:T) Maxillofacial Surgery (6 H:T) Restorative Dentistry (5 H:T)	2	0	2	**1**
Compulsory	**DENT403**	**Medical Sciences I** Emergency Medicine (8 H:T) Internal Medicine (8 H:T) Otorhinolaryngology (8 H:T) Physiotherapy (4 H:T)	2	0	2	**1**
Compulsory	**DENT405**	**Oral and Maxillofacial Surgery I**	2	0	2	**1**
Compulsory	**DENT407**	**Paediatric Dentistry I**	1	0	1	**1**
Compulsory	**DENT409**	**Prosthetic Dentistry I**	1	0	1	**1**
Compulsory	**DENT411**	**Orthodontics I**	1	0	1	**1**
Compulsory	**DENT413**	**Restorative Dentistry**	1	0	1	**1**
Compulsory	**DENT415**	**Endodontics**	1	0	1	**1**
Compulsory	**DENT417**	**Prosthetic Dentistry I (Clinical Practice)**	0	4	2	**2**

Compulsory	**DENT419**	**Oral and Maxillofacial Surgery I (Clinical Practice)**	0	4	2	**2**
Compulsory	**DENT421**	**Restorative Dentistry I (Clinical Practice)**	0	2	1	**1**
Compulsory	**DENT423**	**Endodontics I (Clinical Practice)**	0	2	1	**1**
Compulsory	**DENT425**	**Paediatric Dentistry I (Clinical Practice)**	0	2	1	**1**
Compulsory	**DENT427**	**Oral and Maxillofacial Radiology I (Clinical Practice)**	0	2	1	**1**
Compulsory	**DENT429**	**Orthodontics I (Clinical Practice)**	0	2	1	**1**
Compulsory	**DENT431**	**Periodontology I (Clinical Practice)**	0	2	1	**1**
Elective		**Elective X**	3	0	3	**4**
Elective		**Elective XI**	3	0	3	**4**
Elective		**Elective XII**	3	0	3	**4**
			20	**20**	**30**	**30**

Table 8: Program of Year 4 Spring Semester

Type	**Code**	**Course Name**	**Hour**			**ECTS**
			T	**P**	**Credit**	
Compulsory	**DENT402**	**Module VIII – Sprecific Topics in Dentistry I**	2	0	2	**1**
		Implantology – Prosthodontics (14 H:T) Implantology – Surgery (14 H:T) Implantology – Periodontology (14 H:T)				
Compulsory	**DENT404**	**Medical Sciences II**	2	0	2	**1**
		Forensic Medicine (10 H:T) Psychiatry – Neurology (10 H:T)				

		Dermatology (8 H:T)				
Compulsory	**DENT406**	**Oral and Maxillofacial Surgery II**	2	0	2	**1**
Compulsory	**DENT408**	**Paediatric Dentistry II**	1	0	1	**1**
Compulsory	**DENT410**	**Prosthetic Dentistry II**	1	0	1	**1**
Compulsory	**DENT412**	**Orthodontics II**	1	0	1	**1**
Compulsory	**DENT414**	**Oral and Maxillofacial Radiology**	1	0	1	**1**
Compulsory	**DENT416**	**Periodontology**	2	0	2	**1**
Compulsory	**DENT418**	**Prosthetic Dentistry II (Clinical Practice)**	0	4	2	**2**
Compulsory	**DENT420**	**Oral and Maxillofacial Surgery II (Clinical Practice)**	0	4	2	**2**
Compulsory	**DENT422**	**Restorative Dentistry II (Clinical Practice)**	0	2	1	**1**
Compulsory	**DENT424**	**Endodontics II (Clinical Practice)**	0	2	1	**1**
Compulsory	**DENT426**	**Paediatric Dentistry II (Clinical Practice)**	0	2	1	**1**
Compulsory	**DENT428**	**Oral and Maxillofacial Radiology II (Clinical Practice)**	0	2	1	**1**
Compulsory	**DENT430**	**Orthodontics II (Clinical Practice)**	0	2	1	**1**
Compulsory	**DENT432**	**Periodontology II (Clinical Practice)**	0	2	1	**1**
Elective		**Elective XIII**	3	0	3	**4**
Elective		**Elective XIV**	3	0	3	**4**
Elective		**Elective XV**	3	0	3	**4**
			21	**20**	**31**	**30**

Table 9: Program of Year 5 Fall Semester

Type	Code	Course Name	Hour			ECTS
			T	P	Credit	
Compulsory	**DENT501**	**Module IX – Sprecific Topics in Dentistry II** Dentomaxillofacial Radiology (14 H:T) Maxillofacial Surgery (14 H:T)	2	0	2	**3**
Compulsory	**DENT503**	**Graduation Project I**	0	2	1	**2**
Compulsory	**DENT505**	**Integrated Dentistry I**	1	0	1	**2**
Compulsory	**DENT507**	**Integrated Clinic Rotation I (Clinical Practice)**	0	4	2	**3**
Compulsory	**DENT509**	**Prosthetic Dentistry III (Clinical Practice)**	0	4	2	**3**
Compulsory	**DENT511**	**Oral and Maxillofacial Surgery III (Clinical Practice)**	0	4	2	**3**
Compulsory	**DENT513**	**Restorative Dentistry III (Clinical Practice)**	0	2	1	**1**
Compulsory	**DENT515**	**Endodontics III (Clinical Practice)**	0	2	1	**1**
Compulsory	**DENT517**	**Paediatric Dentistry III (Clinical Practice)**	0	2	1	**1**
Compulsory	**DENT519**	**Oral and Maxillofacial Radiology III (Clinical Practice)**	0	2	1	**1**
Compulsory	**DENT521**	**Orthodontics III (Clinical Practice)**	0	2	1	**1**
Compulsory	**DENT523**	**Periodontology III (Clinical Practice)**	0	2	1	**1**
Elective		**Elective XVI**	3	0	3	**4**
Elective		**Elective XVII**	3	0	3	**4**
			9	**26**	**22**	**30**

Table 10: Program of Year 5 Spring Semester

Type	Code	Course Name	Hour			ECTS
			T	P	Credit	
Compulsory	**DENT502**	**Module X – Practice Management**	2	0	2	**2**
Compulsory	**DENT504**	**Graduation Project II**	0	4	2	**4**
Compulsory	**DENT506**	**Integrated Dentistry II**	1	0	1	**1**
Compulsory	**DENT508**	**Integrated Clinic Rotation II (Clinical Practice)**	0	4	2	**3**
Compulsory	**DENT510**	**Prosthetic Dentistry IV (Clinical Practice)**	0	4	2	**3**
Compulsory	**DENT512**	**Oral and Maxillofacial Surgery IV (Clinical Practice)**	0	4	2	**3**
Compulsory	**DENT514**	**Restorative Dentistry IV (Clinical Practice)**	0	2	1	**1**
Compulsory	**DENT516**	**Endodontics IV (Clinical Practice)**	0	2	1	**1**
Compulsory	**DENT518**	**Paediatric Dentistry IV (Clinical Practice)**	0	2	1	**1**
Compulsory	**DENT520**	**Oral and Maxillofacial Radiology IV (Clinical Practice)**	0	2	1	**1**
Compulsory	**DENT522**	**Orthodontics IV (Clinical Practice)**	0	2	1	**1**
Compulsory	**DENT524**	**Periodontology IV (Clinical Practice)**	0	2	1	**1**
Elective		**Elective XVIII**	3	0	3	**4**
Elective		**Elective XIX**	3	0	3	**4**
			9	**28**	**23**	**30**

Laboratory and Equipment Capacity (if applicable)

The lectures take place on-campus in different buildings of the University. The Faculty of Dentistry Buildings contains two amphitheaters and five classrooms. There is the Arts and Sciences building which contains 48 classrooms and three computer labs. The Central Lecture Hall has 9 classrooms, lecture theatres and numerous smaller seminar rooms. Audiovisual equipment is available in most classrooms and seminar rooms as well as in the meeting room. Moreover, in addition to the dental clinic, there are seven laboratories available for the students of the Dentistry program. The list of the laboratories is as follows:

- Clinical Laboratory: This facility is dedicated to the fabrication of prosthetic crowns and dentures tailored to meet the needs of patients undergoing treatment.

- Phantom Laboratory: Reserved for students in their second and third years of dentistry studies, this laboratory provides a controlled environment for practical courses and contains 75 units.

- Preclinical Laboratory I: Designed for students in the initial three years of dentistry education, this laboratory serves as a space for hands-on practical courses and contains 55 units.

- Preclinical Laboratory II: Designed for students in the initial three years of dentistry education, this laboratory serves as a space for hands-on practical courses and contains 55 units.

- Periapical Radiographic Laboratory: Catering to students in their second and third years, this laboratory is equipped for conducting radiographic imaging as part of dentistry practical courses.

- Gipsium Laboratory: Utilized for both practical exercises and clinical applications.

- Prosthetic Laboratory: Specifically designated for dentistry practical courses focusing on prosthetic procedures.

In dentistry, the phantom laboratory is a specialized facility equipped with dental simulation units or phantom heads, catering to a capacity of 75 students. These phantom heads closely mimic the anatomical features of the oral cavity, allowing dental students to practice various dental procedures in a controlled environment before they begin working on actual patients. These laboratories are essential for students to develop and refine their manual dexterity, hand-eye coordination, and procedural skills under the guidance of experienced instructors. Additionally, phantom laboratories provide a safe space for students to make mistakes and learn from them

without risking harm to patients. The preclinical laboratories is a dedicated facility where dental students undergo hands-on training and practice essential skills before working with real patients in a clinical setting. These laboratories are equipped with dental simulation units, and other necessary equipment to simulate clinical scenarios and procedures. In preclinical labs, students learn and practice various dental techniques, such as drilling, filling, tooth preparation, and other basic procedures under the supervision of experienced instructors, catering to a capacity of 55 students. The goal of preclinical labs is to provide students with a controlled environment where they can develop their manual dexterity, hand-eye coordination, and clinical skills before transitioning to patient care in a clinical setting. Within the dental laboratories, each student is provided with a spacious workstation equipped with a large whiteboard and an individual screen. These screens are seamlessly integrated with the main computer system and a camera positioned at the lecturer's workstation. This setup greatly facilitates the lecturer in delivering demonstrations to students, enhancing the clarity and effectiveness of the instructional process. The interconnected screens enable real-time visualization of demonstrations, ensuring that students receive comprehensive guidance and instruction during their practical sessions.

Additionally, there are laboratories dedicated to practical courses focusing on basic sciences such as anatomy, pathology, histology, and physiology. These facilities play a crucial role in enhancing students' understanding of these foundational subjects.

The dental clinic where fourth and fifth-year students receive training is classified as a polyclinic due to its provision of 35 fully equipped dental units. These facilities accommodate various departments and dental procedures, resembling a comprehensive setup capable of delivering diverse dental treatments. These units boast advanced tools and are staffed to ensure both dental students and patients receive top-tier treatment. Upon entering the clinic, patients are greeted by a reception desk, which serves as their initial point of contact. Additionally, the clinic houses a panoramic and check-up room for preliminary assessments. Within the clinic, various dedicated spaces cater to different aspects of dental care. A meeting room is available for lecturers to convene, ensuring effective coordination and collaboration. A separate room is designated for dental assistants to provide support during procedures. For surgical interventions, there is a specialized surgical clinical equipped with the necessary amenities. A periapical radiographic room is also present to facilitate diagnostic imaging. Furthermore, the clinic features a sterilization

room to maintain stringent hygiene standards. Additionally, a depot is allocated for storing dental materials and tools, ensuring easy access and organization. Overall, the clinic is meticulously designed to facilitate comprehensive dental care, education, and training.

Career Opportunities

Career Paths and Opportunities

- General Dental Practitioner (GP) / Private Clinic Work

Most dentistry graduates will work in general dental practice, either in private clinics or group dental practices. Given the practical training and clinical exposure at EUL, graduates should be prepared for these roles.

- Public Sector Dental Services and Hospitals

Graduates can work in hospitals, public health clinics, or other government-run dental units. They may also be employed by public health directorates or similar institutions.

- Specialization

After gaining some experience, dentists may pursue specialities (orthodontics, endodontics, prosthodontics, oral surgery, etc.). Since the university's clinics cover many specialist areas, students get exposure and groundwork.

- Academic / Research Career

Some graduates may enter academia—teaching or research—especially if they pursue postgraduate training (Master's, PhD). EUL mentions that its graduates will have foundations for national and international academic careers.

- Dental Technician / Allied Dental Roles

There are related programs (e.g. Oral and Dental Health, Dental Prosthetics Technician) that lead to allied roles—these are not exactly dentists but essential supporting roles in dental practice.

- Private / Cosmetic Dentistry, Implants etc.

With implantology, prosthesis, aesthetic dentistry, orthodontics being part of the clinical training, some graduates may specialise or focus their practice in higher-paying segments of dentistry (cosmetic dentistry, implant work).

- International Opportunities

Because the program is YÖK-accredited and seems to aim for "national and international academic careers", graduates may have the option to practise or pursue postgraduate opportunities abroad.

However, the recognition of the degree abroad will depend on the country. It's important to check local licensing requirements in the country where one plans to work.

Contact Information

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COURSE CATALOGUE DESCRIPTIONS

Module number: DENT111	**Module title:** Module I - Basic Sciences I
Level/semester:	1 / Fall
Credit hours:	**Thereof lecture hours:** 165
	Thereof practical hours: -
	Thereof self-study hours: 183
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: - Student be able to determine the histological method for a certain goal and explain the cause-effect relationship while selecting the tools and methods for miscroscopic examination. - Student should be able to understand the structural and functional aspects of basic tissues theoretically - To give a brief overview on the basic concepts of subcellular structures and organelles to the students in earning to talent in interpreting, comparing, distinguishing the mechanisms. - Student should be able to formulize the particle transport accross the cell membrane, to classify transport mechanisms, to disscuss on electrochemical forces, to calculate membrane potential. - To provide the knowledge of structure and function of biological molecules and to emphasis the importance of them. - Student should be able to discuss the anatomical characteristics of the components of the skull and the other structures related with them such as nerves or vessel passing through the foramina, and the other components of the axial skeleton - Able to know the basic concepts and laws of mechanics, mechanics of anatomy, mechanical properties of biological material.
Content of the module:	The main objectives of this course is to introduce Biophysic, Anatomy, Physiology, Chemistry and Histology and their relationship with dentistry.Introduction of histological techniques and examination methods with their basic principles and their area of usage and to teach the histological features of basic tissues theoretically and practically. Familiarize students with the basic concepts and approaches in cell physiology and help students to understand experimental study. of the DNA, RNA, cellular organelles and extracellular matrix, cell division and stem cells. To define the transport of charged particles accross the cell membrane and to describe their electrochemical effects on cell membrane. To define the basics of electromagnetic waves and their effects on biological tissue. To familiarize students with the basic concepts and approaches in biochemistry. To teach the anatomical characteristics of the skull and the other components of the axiel skeleton in details . To introduce students to biophysics.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT112	**Module title:** Module II - Basic Sciences II
Level/semester:	1 / Spring
Credit hours:	**Thereof lecture hours:** 165
	Thereof practical hours: -
	Thereof self-study hours: 170
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: - Learning the anatomy of muscular system and head and neck muscles - Knows the central and peripheral nerviuos systems. - Learning the biochemistry of vitamins and menirals in the body, biochemistry of the tissues, Physiology of endocrine system and nervious systems, physiology of blood. - knows the basic Concepts of Molecular Biophysics, Bioenergetics basic concept, Biophysics and contraction and EMG. - Knows the Histology and Embryology of Bone tissue. Introduction to Embryology. - knows Formation and Characteristics of Enamel, Dentine, Pulp, and other Tissues . Growth and Development of Dental Arch.
Content of the module:	Learning the anatomy of muscular system and head and neck muscles. Introduction to central and peripheral nerviuos systems. Learning the biochemistry of vitamins and menirals in the body, biochemistry of the tissues, Physiology of endocrine system and nervious systems, physiology of blood. Basic Concepts of Molecular Biophysics, Bioenergetics basic concept, Biophysics and contraction and EMG. Histology and Embryology of Bone tissue. Introduction to Embryology. Introduction to Genetics, How Cells Read the Genome:From DNA to Protein, Genetics and Dentistry. Formation and Characteristics of Enamel, Dentine, Pulp, and other Tissues . Growth and Development of Dental Arch.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT123	**Module title:** Dental Morphology and Anatomy I
Level/semester:	1 / Fall
Credit hours:	**Thereof lecture hours:** 60
	Thereof practical hours: 30
	Thereof self-study hours: 26
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Knows dental terms and definitions. Learn universal nomenclature and notation systems for primary and permanent teeth. Knows and can mopdelate morphological characteristic and anatomy teeth in details for every single teeth found on maxillary and mandibular arch . Morphological evaluation of inter-arch and intra-arch positions of permanent teeth can be done and also built arch from soap and wax. Knows occlusal and proximal contact relationship of teeth in interarch and intraarch alignment.
Content of the module:	The Dental morphology course includes a theory lecture and laboratory component. It will introduce the students to the basic knowledge required to undertake further pre-clinical courses. The theoretical part of the course will provide fundamental knowledge and terminology related to teeth and the periodontal tissues, will introduce the notation systems and will give information on the eruption sequence of deciduous and permanent dentition. The tooth form in relation to function will be discussed as well as the measurements and the geometry of teeth. Detailed macroscopic tooth morphology characteristics and the basic principles of dental occlusion will be provided. In the practical component, the students will acquire the technical knowledge and skills to carve/modelate teeth with soap and wax.
Examination:	Homeworks and Quizzes 1 Midterm Examination 1 Final Examination

Module number: DENT124	**Module title:** Dental Morphology and Anatomy II
Level/semester:	1 / Spring
Credit hours:	**Thereof lecture hours:** 60
	Thereof practical hours: 30
	Thereof self-study hours: 115
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Knows dental materials and usage of them such as gypsum, acrylic, wax, metals Learns how to manipulate dental materials (gypsum, wax, acrylic, metal) Learns flasking and casting metals Knows basic prosthetic treatment options
Content of the module:	The Dental morphology course includes a theory lecture and laboratory component. It will introduce the students to the basic knowledge required to undertake further pre-clinical courses. The theoretical part of the course will provide fundamental knowledge about dental materials such as wax, gypsum, acrylic. Also spruing, investing and casting of m. etal procedures will be provided. Introduction to prosthesis will be held, tooIn the practical component, the students will acquire the technical knowledge and skills to carve/modelate teeth from gypsum and wax. In addition, acrylic polymerization and casting is practiced.
Examination:	Homeworks and Quizzes 1 Midterm Examination 1 Final Examination

Module number: DENT117	**Module title:** History and Development of Dentistry as a Profession
Level/semester:	1 / Fall
Credit hours:	**Thereof lecture hours:** 30
	Thereof practical hours:
	Thereof self-study hours: 28
Language:	English
Learning outcomes/goals/skills of the module:	By the end of the course, students should be able to: - Describe the key milestones in the history of dentistry and their significance. - Recognize the contributions of historical figures and civilizations to the evolution of dental practices. - Understand the progression of dental tools, techniques, and materials over time. - Explain the ethical and professional responsibilities of a dentist. - Discuss the current trends and future directions in dentistry in the context of its historical development. - Appreciate the interdisciplinary connections between dentistry, medicine, and societal health trends.
Content of the module:	This course aims to explore the historical development of dentistry as a profession, tracing its evolution from ancient times to the present day. It examines the contributions of various civilizations and cultures to the field, analyzes the impact of technological advancements on dental practices, and emphasizes the significance of professional ethics and standards in shaping the profession. Additionally, the course provides an overview of the organizational and educational structures of dentistry on a global scale.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT118	**Module title:** Deontology
Level/semester:	1 / Spring
Credit hours:	**Thereof lecture hours:** 30
	Thereof practical hours:
	Thereof self-study hours: 80
Language:	English
Learning outcomes/goals/skills of the module:	By the end of the course, students should be able to: - Explain the principles of deontology and their application to ethical dental practice. - Identify and analyze ethical and legal challenges encountered in dentistry. - Demonstrate knowledge of patient rights, informed consent, and confidentiality. - Apply professional codes of conduct to real-world scenarios in dental practice. - Make ethical decisions while balancing the needs of patients, society, and the profession
Content of the module:	This course focuses on understanding deontological ethics in dentistry, covering ethical duties, patient autonomy, and rights. It examines the legal and professional responsibilities of dental practitioners, addressing common ethical dilemmas and strategies for resolution. Communication, trust, and cultural competence are highlighted as essential in patient care, alongside fostering a commitment to lifelong learning and adherence to professional standards.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT119	**Module title:** Professionalism in Dentistry
Level/semester:	1 / Fall
Credit hours:	**Thereof lecture hours:** 30
	Thereof practical hours:
	Thereof self-study hours: 86
Language:	English
Learning outcomes/goals/skills of the module:	By the end of the course, students should be able to: - Demonstrate professional and ethical decision-making in dental practice. - Apply principles of health management to optimize dental practice operations and improve patient care outcomes. - Understand and address psychological factors affecting patient behavior, motivation, and compliance with dental treatments. - Analyze the influence of sociocultural factors on oral health behaviors and disparities in healthcare access. - Communicate effectively with patients and colleagues, fostering trust and collaborative relationships. - Integrate interdisciplinary knowledge to address challenges in providing holistic dental care.
Content of the module:	This course aims to develop an understanding of professionalism and ethical behavior in dentistry, emphasizing the responsibilities of healthcare providers. It introduces key concepts of health management, focusing on effective dental practice operations, resource allocation, and patient care systems. Additionally, the course explores health psychology, highlighting patient communication, behavior, and psychological factors that influence oral health, while also addressing health sociology to understand the societal, cultural, and economic factors impacting oral healthcare delivery. Furthermore, it promotes interdisciplinary approaches to solving complex challenges in dental practice
Examination:	1 Midterm Examination 1 Final Examination

Module number: COM101	**Module title:** English I
Level/semester:	1 / Fall
Credit hours:	**Thereof lecture hours:** 45
	Thereof practical hours: -
	Thereof self-study hours: 42
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of this course, all students will have developed knowledge and understanding of: LO1: The students will be able to understand and use English structures accurately to express themselves. LO2: The students will be able to learn and use the vocabulary learnt during the lessons.
Content of the module:	This course introduces the main grammatical structures to the students and helps them to develop their listening, speaking, reading and writing skills as well as vocabulary and pronunciation. The students are provided with clear rules and example sentences. The lessons contain high- frequency vocabulary that the students are likely to come across during their studies and future careers
Examination:	1 Midterm Examination 1 Final Examination

Module number: COM106	**Module title:** Turkish
Level/semester:	1 / Spring
Credit hours:	**Thereof lecture hours:** 30
	Thereof practical hours: -
	Thereof self-study hours: 28
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of this course, all students will have developed knowledge and understanding of: LO1: Explains and exemplifies the phonological properties of Turkish LO2: Explains and exemplifies the structures of Turkish. LO3: Explains and exemplifies the sentence properties of Turkish LO4: Reads and evaluates different text types LO5: Compares different text types
Content of the module:	To show the characteristics and rules of operation of Turkish language with examples; to give the students the ability and habit to express their feelings and thoughts accurately and effectively; developing vocabulary through written and oral texts; The aim of this course is to teach the rules of reading texts or the programs they listen to correctly.
Examination:	1 Midterm Examination 1 Final Examination

Module number: COM108 / ORT108	**Module title:** History
Level/semester:	1 / Spring
Credit hours:	**Thereof lecture hours:** 30
	Thereof practical hours: -
	Thereof self-study hours: 28
Language:	English
Learning outcomes/goals/skills of the module:	successful completion of this course, all students will have developed knowledge and understanding of: LO1: Analyzes the developments after World War I and the attitude of Mustafa Kemal and his friends in the face of these developments. LO2: Understanding the Turkish Foreign Policy of the Atatürk Era. LO3: They will have basic information about the political developments in Turkey and the world during and after the Second World War. LO4: To have general information about the History of Cyprus.
Content of the module:	The course provides a detailed exposure on the history of the construction of the Turkish Republic under the light of Kemal Atatürk's principles this course is designed for Turkish speaking students. COM108 is designed for non-Turkish speaking foreign students. The aim of the course is to introduce a brief history of Turkish Republic and Cyprus. Social, economic and political aspects and effects of Western Civilization on Turkey and Cyprus. Relations with Middle East.
Examination:	1 Midterm Examination 1 Final Examination

Module number: COM110	**Module title:** English II
Level/semester:	1 / Spring
Credit hours:	**Thereof lecture hours:** 45
	Thereof practical hours: -
	Thereof self-study hours: 42
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of this course, all students will have developed knowledge and understanding of: LO1: The students will be able to understand and use English structures accurately to express themselves. LO2: The students will be able to learn and use the vocabulary learnt during the lessons.
Content of the module:	This course introduces the main grammatical structures to the students and helps them to develop their listening, speaking, reading and writing skills as well as vocabulary and pronunciation. The students are provided with clear rules and example sentences. The lessons contain high- frequency vocabulary that the students are likely to come across during their studies and future careers
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT221	**Module title:** Module III - Head and Neck and Introduction to Dentistry
Level/semester:	2 / Fall
Credit hours:	**Thereof lecture hours:** 90
	Thereof practical hours: -
	Thereof self-study hours: 113
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Knowing the Topographic Anatomy of the Head and Neck, Knowing the Head and Neck Arteries and Vein. LO2: Knowing Receptor Physiology - Tonic and Phasic Receptors and Landmarks in Oral Cavity and Tongue LO3: Knowing Calcium and Phosphate Composition of the Teeth and the Hormones Involved in Control of Calcium and Phosphate Concentration, LO4: Knowing General Concepts of Sense Pathology in the human body and in dentistry. LO5: Knowing the inflammation definition and the relationship with dentistry. LO6: Knowing the histology of the oral cavity, Knowing the histology of Central Nervous System
Content of the module:	Anatomy: Topographic Anatomy of the Head and Neck, Skull Bones, Temporomandibular Joint, Neck, Neck Fascia Layers, Parotid Bed and Gland, Head and Neck Arteries and Veins, Temporal, Infratemporal and Pterygopalatine Fossae, Receptor Physiology - Tonic and Phasic Receptors, Physiology: Synapse, Olfactory Nerve and Olfaction, Trigeminal Nerve - Details of the Trigeminal Nerve Inversion, Landmarks in Oral Cavity and Tongue, Types of Teeth, Structure and their Functions, Ear and Details of Hearing, Glossopharyngeal Nerve, Saliva - The Role of Saliva, Physiology of Taste and Pain - The pain Pathways, Pathology: Adaptation, Cell Death (Necrosis Apoptosis), Chemical Mediators of Inflammation, Chronic Inflammation, Hemodynamic Disorders, Inflammation , Immunopathology, Neoplasia, Histology: Oral cavity , Salivary glands, Structure of digestive tract, Glands of digestive tract, Digestive system, Urinary system, The Female reproductive system, The Male reproductive system, Endocrine system and glands, Central Nervous System, Pheripherical Nervous System and Receptors
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT222	**Module title:** Module IV - Infectious Diseases and their Management
Level/semester:	2 / Spring
Credit hours:	**Thereof lecture hours:** 60
	Thereof practical hours: -
	Thereof self-study hours: 110
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Explain the toxonomy and the structure of microorganisms. Bacterial cell structure and metabolism LO2: Knows the viral classifications and viral and fungi infections LO3: Understand the main principles of pharmacology, drug tagets, details of the pharmacokinatic and pharmacodynamic LO4: Learning the main mechanism of action of the antibacterials, resistance mechanisms with their usage in dentistry.
Content of the module:	Pharmacology: Introduction to pharmacology: what is pharmacology?, Introduction to pharmacodynamics, protein targets for drug binding, The movement of drug molecules across the cell barriers, Local and systemic administration routes and oral bioavailability, Distribution, metabolism and elimination of the drugs, Drug usage in pregnancy, drug interactions, drug discovery and development, Mechanism of action of the antibacterials, bacterial resistance mechanisms and side effects, Pharmacology of the beta-lactam antibiotics (penicillins and cephalosporines), Usage of Macrolids, lincosamides, metronidazole, tetracyclines in dentistry, Antiseptics, disinfectants, astringents and obdundents Microbiology: Introduction to Microbiolgoy, Microbiology and History, Taxonomy and the structures of microorganism, Bacterial Cell Structure, microbial metabolism, growth condition, bacterial media and staining, Viral classification, structure and replication, Viruses in human infections and diseases, RNA and DNA viruses, Structure of Fungi and fungal infections
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT223	**Module title:** Prosthetic Dentistry I (Theory)
Level/semester:	2 / Fall
Credit hours:	**Thereof lecture hours:** 30
	Thereof practical hours: -
	Thereof self-study hours: 28
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Know about the anatomical landmarks of the oral environment and their possible effects on the removable complete denture treatment LO2: Know the theoretical information needed to perform the correct clinical examination and place the correct diagnosis and treatment plan of edentulous patients. LO3: Know the theoretical aspect of the clinical steps involved in complete dentures treatment LO4: Know the theoretical aspect of the Laboratory steps involved in complete dentures fabrication. LO5: Know how to deal with the possible peri-treatment and post-treatment complications
Content of the module:	Evaluation of the patient, diagnosis & treatment plan Preprosthetic Procedures Anatomical Landmarks of Significance in Complete Dentures The Concepts of Retention, Stability, and Support in Complete Dentures Herbst Tests & Facial Muscles Impression Techniques and Procedures The Concept of Occlusion In Complete Dentures Base plates & wax rims Horizontal & vertical relation registration Artificial teeth selection & teeth arrangement Try-in procedure Denture delivery & patient education Ill-fitting dentures, post-insertion complications & possible solutions Single complete dentures & combination syndrome Immediate dentures Relining, rebasing, and repair of complete dentures
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT224	**Module title:** Prosthetic Dentistry II (Theory)
Level/semester:	2 / Spring
Credit hours:	**Thereof lecture hours:** 30
	Thereof practical hours: -
	Thereof self-study hours: 28
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Possess the necessary Knowledge to be able to correctly diagnose cases where partially edentulous patients are indicated for removable partial dentures. LO2: Knows the different components of the removable partial denture, their functions, and their indications/contraindications. LO3: Knows the different methods used in the diagnosis/treatment of partially edentulous patients and how to correctly implement them. LO4: Be able to correctly classify partially edentulous arches. LO5: Be able to correctly design removable partial dentures in accordance with the biomechanical principles. LO6: Know about the clinical and laboratory procedures included in the fabrication of removable partial dentures.
Content of the module:	Classification of partially edentulous dental arches The removable partial denture components Biomechanics of Removable Partial Dentures The State of Partial Edentulism Treatment planning Preprosthetic Procedures & Preparation of Abutment Teeth Impression Procedures Registering Occlusal Relations Initial placement & adjustments Post Insertion problems & maintenance.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT225	**Module title:** Prosthetic Dentistry I (Practice)
Level/semester:	2 / Fall
Credit hours:	**Thereof lecture hours:** -
	Thereof practical hours: 30
	Thereof self-study hours: 28
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: know how to manipulate dental gypsum and how to cast impressions LO2: Know how to manipulate light-cured base plates and dental acrylic and how to manufacture individual trays. LO3:Know how to manipulate dental wax LO4: know the principles of teeth selection and alignment. LO5: know how to flask wax dentures, eliminate wax and process the dentures LO6: know how to finish and polish acrylic dentures.
Content of the module:	Preliminary & final casts Individual tray Base plates & Wax rims Mounting on articulators Anterior teeth arrangement Posterior teeth arrangement Wax modeling Flasking & wax elimination Processing the denture Finishing & polishing
Examination:	Lab Works 1 Midterm Examination 1 Final Examination

Module number: DENT226	**Module title:** Prosthetic Dentistry II (Practice)
Level/semester:	2 / Spring
Credit hours:	**Thereof lecture hours:** -
	Thereof practical hours: 30
	Thereof self-study hours: 28
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: know how to manipulate dental gypsum and how to cast impressions LO2: Know how to manipulate light-cured base plates and dental acrylic and how to manufacture individual trays. LO3:Know how to manipulate dental wax LO4: know the principles of teeth selection and alignment. LO5: know how to flask wax dentures, eliminate wax and process the dentures LO6: know how to finish and polish acrylic dentures.
Content of the module:	Preliminary & final casts Individual tray Base plates & Wax rims Mounting on articulators Anterior teeth arrangement Posterior teeth arrangement Wax modeling Flasking & wax elimination Processing the denture Finishing & polishing
Examination:	Lab Works 1 Midterm Examination 1 Final Examination

Module number: DENT227	**Module title:** Operative Dentistry I (Theory)
Level/semester:	2 / Fall
Credit hours:	**Thereof lecture hours:** 60
	Thereof practical hours: -
	Thereof self-study hours: 56
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Have knowledge about the histology, anatomy, phsiology and morphology of dental hard tissues, pulp and the periapical tissues. LO2: Have knowledge about the access cavity preparations of anterior and posterior teeth LO3: Have knowledge about the general principles of cavity preparation and the methodologies for both Black and modern cavities LO4: Explain and discuss the mechanisms of caries formation, know the risks and etiology and so can decide the treatment methodologies which can be used for preventive applications LO5: Have knowledge about the caries removal methods
Content of the module:	Endodontics: Introduction to Endodontics, Pulp Anatomies of Permanent Teeth, Endodontic hand tools, Endodontic access cavity, Histophysiology of the pulp, Periapical tissues, Pulpal diseases and classification, Determination of Working Length Restorative Dentistry: Instruments used in operative dentistry, General Principles for Cavity Preperation, Black Cavities, Histology of Enamel, Histology of Dentin, Dental Caries; Formation, Morphology and Types, Dental Caries; Formation, Morphology and Types, Dental Matrix-Wedge Systems, Student Presentations-Theories of Dental Caries Oral and Maxillofacial Radiology: Radiation physics ıntroduction and definitions, X-Ray device and X-Ray beam production, Factors controlling the X-Ray beam, Films-receptors and digital imaging /Processing, Biological effects of ionizing radiation, Radiation safety and protection, Intraoral radiography techniques, Tube Shift Technique-object localization, X-Rays and interactions with matter, Intraoral radiographic interpretation, Introduction to radiographic evaluation radiolucent, radiopaque-mixed lesions Pediatric Dentistry: Caries in primary dentition, Early childhood caries terminology, etiology, treatment options, Early childhood caries terminology, etiology, treatment options, Stainless steel crowns, AAP policies on use of fluoride, Glass ionomers and common restorative materials in pediatric dentistry
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT228	**Module title:** Operative Dentistry II (Theory)
Level/semester:	2 / Spring
Credit hours:	**Thereof lecture hours:** 60
	Thereof practical hours: -
	Thereof self-study hours: 110
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Have knowledge about the radiographic anatomy of maxilla and mandible. LO2: Have knowledge about the periapical and bitewing raiodgraphy techniques. LO3: Have knowledge about the eruption times and morphology of the primary teeth. LO4: Explain and discuss the mechanisms of caries formation, know the risks and etiology and so can decide the treatment methodologies which can be used for preventive applications especially for children. LO5: Have knowledge about the materials and methodologies used for root canal shaping, cleaning and filling. LO6: Explain and discuss the types of dental traumatic injuries, it's epidemiology
Content of the module:	Endodontics: Cleaning and shaping of root canal system, Mishaps of cleaning and shaping procedures, Complex cases for root canal preparation, Definition of traumatic dental injuries , Epidemiology of traumatic dental injuries, Treatment of traumatic dental injuries, Complex cases for root canal preparation, Properties of the ideal root canal filling materials, Materials which used in root canal obturation, Root canal sealers and Gutta-Percha, Techniques for root canal obturation Restorative Dentistry: Modern Cavities, Traditional and modern caries removal techniques, Cavity disinfectants, Permanent and temporary filling materials, Introduction to dental amalgam, Clinical application methods of amalgam restorations, Finishing and polishing of amalgam restorations, Extensive Amalgam Restorations, Traditional and Modern Techniques for Caries Diagnosis, Kahoot Team Race Oral and Maxillofacial Radiology: Periapical radiography, Bisecting Angle Technique, Introduction to Radiographic Anatomy, Periapical Radiographic Anatomy (Maxilla), Periapical Radiographic Anatomy (Mandible), Bitewing Technique, Interpretation of bitewing image Pediatric Dentistry: Eruption times of primary and permanent teeth-revisited, Morphology of primary teeth-revisited, Cavity preparation techniques and rules in primary dentition, Development of caries and caries prevention on primary teeth, The caries-prone surfaces and prognosis of carious primary teeth, Dental cements, Bioactive materials
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT229	**Module title:** Operative Dentistry I (Practice)
Level/semester:	2 / Fall
Credit hours:	**Thereof lecture hours:** -
	Thereof practical hours: 120
	Thereof self-study hours: 54
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Explain the tooth anatomy and morphology LO2: Prepare the access cavities of anterior and posterior teeth LO3: Know and apply the general principles of cavity preparation and the methodology developed by Black LO4: Apply differently characterized cavity types (Black I, Black II and Black V) related with the different morphology of posterior teeth. LO5: Identify the matrix systems and their indications and know application
Content of the module:	Endodontics: Introduction and acrylic model preparation, Introduction to Upper central access cavities and demonstration, Upper central access cavities preparation and submission, Introduction to Upper later access cavities and demonstration, Upper lateral access cavities preparation and submission, Introduction to upper and lower canine access cavities and demonstration, Upper and lower canine access cavities preparation and submission, Lower incisor access cavities preparation and submission, Lower/Upper Premolar cavities preparation and submission, Resubmission and revision Restorative Dentistry: Introduction to cavity principles, Preparation of Training Block No.1, Preparation of Training Block No.2, Black I cavity preparation for maxillary and mandibular premolars, Black I cavity preparation for maxillary and mandibulary molars, Discussion and practice of the traditional and partial matrix systems, Black II cavity preparation for maxillary and mandibular premolars, Black II cavity preparation for maxillary and mandibular molars, Black V cavity preperation Oral and Maxillofacial Radiology: Radiation Physics Introduction and Definition, X-Ray device and X-Ray beam production, Factors controlling the X-Ray beam Films-receptors and digital imaging, Processing, Biological effects of ionizing radiation, Radiation safety and protection, Intraoral radiography techniques, Tube Shift Technique-object localization Pediatric Dentistry: Introduction to primary teeth preparation, Class I cavity preperation for primary teeth, Class IV, V cavity preperation for primary teeth, Class II cavity preperation for primary teeth.
Examination:	Lab Works 1 Midterm Examination 1 Final Examination

Module number: DENT230	**Module title:** Operative Dentistry II (Practice)
Level/semester:	2 / Spring
Credit hours:	**Thereof lecture hours:** -
	Thereof practical hours: 120
	Thereof self-study hours: 55
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Explain the tooth anatomy and morphology LO2: Prepare the access cavities of posterior teeth and do the step-back canal preparation. LO3: Have knowledge about the general principles of cavity preparation and the methodology developed by both Black and methodology developed related to the conservative dentistry and have ability to apply them. LO4: Have ability to apply differently characterized cavity types (Black I, Black II, Black V; modern cavities: Slot, Box-only, Tunnel, Modified Class II etc.) for both primary and permanent teeth. LO5: Have knowledge about the characteristics and application methodology of different cavity lining materials and have ability to apply them.
Content of the module:	Endodontics: Introduction to upper first molar access cavities and preparation of upper first molar access cavities, Introduction to lower first molar access cavities and preparation of lower first molar access cavities, Step back preparation technique Restorative Dentistry: Discussion and practice of modern cavities (Slot cavity, Box-only cavity, Tunnel cavity), Dental matrix-wedge system applications for special cavities, Preparation of special cavities of molars and lower first premolar, modified class II cavities, Introduction to cavity liners and application of zinc phosphate cement, Application of glass ionomer cement, Cavity liner applications for Class II cavities, Introduction to amalgam restorations and Black I amalgam applications, Black II amalgam applications Oral and Maxillofacial Radiology: Practice of Bisecting Angle Technique in maxilllary regions (anterior, canine, premolar and molar regions), Practice of Bisecting Angle Technique in maxilllary and mandibular regions (anterior, canine, premolar and molar regions), Practice of Bitewing Technique Pediatric Dentistry: Class I cavity preperation for primary teeth, Class IV, V cavity preperation for primary teeth, Class II cavity preperation for primary teeth, Preperation for stainless steel crowns, Class IV, V cavity restoration with compomer, Class II cavity preperation for primary teeth, Fissure sealent application for permanent teeth, Class II cavity preperation for primary teeth (MOD)
Examination:	Lab Works 1 Midterm Examination 1 Final Examination

Module number: DENT321	**Module title:** Module V - Oral Health and Pathology
Level/semester:	3 / Fall
Credit hours:	**Thereof lecture hours:** 60
	Thereof practical hours: -
	Thereof self-study hours: 85
Language:	English
Learning outcomes/goals/skills of the module:	By the end of the course, students should be able to: Identify and classify common oral diseases, including dental caries, periodontal diseases, and oral cancers, based on their clinical presentation and pathology. Understand the pathological processes involved in oral diseases and their systemic effects. Demonstrate competence in diagnosing and managing oral diseases through clinical evaluation and appropriate laboratory testing. Develop skills to collaborate with medical professionals in the diagnosis and management of patients with systemic diseases that affect oral health. Apply preventive measures and therapeutic strategies to manage and treat oral diseases in both individual and public health contexts. Recognize the role of lifestyle factors, genetics, and environmental influences on the development of oral diseases and overall oral health.
Content of the module:	This course provides students with an understanding of oral diseases and their impact on overall health. It focuses on diagnosing, preventing, and managing common oral conditions, such as dental caries, periodontal disease, and oral cancer, while exploring the connection between oral health and systemic conditions. The course emphasizes diagnostic techniques, treatment approaches, and a multidisciplinary perspective to address both individual and public health challenges.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT322	**Module title:** Module VI - Orofacial Pain and Management
Level/semester:	3 / Spring
Credit hours:	**Thereof lecture hours:** 60
	Thereof practical hours: -
	Thereof self-study hours: 85
Language:	English
Learning outcomes/goals/skills of the module:	By the end of the course, students should be able to: Diagnose different types of orofacial pain and select appropriate management strategies. Administer local anesthetics safely and effectively, monitoring for any adverse effects. Respond confidently to medical emergencies with appropriate basic life support techniques.
Content of the module:	This course aims to equip students with the knowledge and skills to manage orofacial pain, understand the pharmacological agents used in pain management, and perform anesthesia techniques safely. It also prepares students to handle medical emergencies in dental settings by teaching basic life support procedures, ensuring they can respond effectively to various clinical situations.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT323	**Module title:** Prosthetic Dentistry III (Theory)
Level/semester:	3 / Fall
Credit hours:	**Thereof lecture hours:** 30
	Thereof practical hours: -
	Thereof self-study hours: 28
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Know the different types of the fixed partial prostheses, and their indications/contraindications LO2: Know the preparation principles and how they relate to different clinical situations LO3: Know about the different instruments used in fixed prosthodontics, their field of use and how to manipulate them correctly LO4: Have the theoretical background about the preparation techniques of various full and partial crowns and bridges LO5: Know about the clinical and laboratory procedures included in the fabrication of fixed partial prostheses LO6: Possess the knowledge regarding the different impression materials, their indications and their manipulation LO7: Possess the knowledge regarding the different materials used in the fabrication of fixed prsotheses
Content of the module:	Types of fixed restorations, Indications/Contraindications Preparation instruments Principles of tooth preparation Tooth preparation for complete cast, metal ceramic & full ceramic crowns Partial crowns, Inleys & onlays Metal Framework Design in Metal-Ceramic Restorations Pontic Design Porcelain-Alloy Bonding & Ceramic Veneering Process Interim fixed restorations Impression Materials Used in Fixed Prosthodontics Dental alloys Dental Ceramics Full Ceramic Restorations
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT324	**Module title:** Prosthetic Dentistry IV (Theory)
Level/semester:	3 / Spring
Credit hours:	**Thereof lecture hours:** 30
	Thereof practical hours: -
	Thereof self-study hours: 28
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Possess the necessary Knowledge to be able to correctly diagnose cases where partially edentulous patients are indicated for fixed partial prosthesis. LO2: Know the different types of the fixed partial prostheses, and their indications/contraindications LO3: Know the different methods used in the diagnosis of partially edentulous patients and how to correctly implement them LO4: Be able to correctly choose the type of articulator in relation to the treatment plan. LO5: Be able to correctly use the facebow LO6: Knows about the clinical and laboratory procedures included in the fabrication of fixed partial prostheses
Content of the module:	History taking & clinical examination Diagnostic Procedures Treatment planning Tissue management, gingival retraction, and impression making Definitive Casts & Dies Try-in procedure, characterization & glazing Adhesion Mechanisms, Luting Cements & Resin cements Cementation Procedure & Postoperative care Periodontal considerations & Restoration of periodontally compromised teeth Restoration of endodontically treated teeth & Endocrowns The Concept of Occlusion in Fixed Prosthodontics Adhesive bridges Indirect Laminate veneers
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT325	**Module title:** Prosthetic Dentistry III (Practice)
Level/semester:	3 / Fall
Credit hours:	**Thereof lecture hours:** -
	Thereof practical hours: 45
	Thereof self-study hours: 42
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will: Possess the necessary Knowledge to be able to correctly diagnose cases where partially edentulous patients are indicated for fixed partial prosthesis. Know the different types of the fixed partial prostheses, and their indications/contraindications know the different methods used in the diagnosis of partially edentulous patients and how to correctly implement them Be able to correctly choose the type of articulator in relation to the treatment plan. Be able to correctly use the facebow Knows about the clinical and laboratory procedures included in the fabrication of fixed partial prostheses
Content of the module:	gingival retraction, and impression making Casts & Dies Try-in procedure, characterization & glazing Resin cements Cementation Procedure Restoration of endodontically treated teeth & Endocrowns Adhesive bridges Indirect Laminate veneers
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT326	**Module title:** Prosthetic Dentistry IV (Practice)
Level/semester:	3 / Spring
Credit hours:	**Thereof lecture hours:** -
	Thereof practical hours: 45
	Thereof self-study hours: 42
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will: Possess the necessary Knowledge to be able to correctly diagnose cases where partially edentulous patients are indicated for fixed partial prosthesis. Know the different types of the fixed partial prostheses, and their indications/contraindications know the different methods used in the diagnosis of partially edentulous patients and how to correctly implement them Be able to correctly choose the type of articulator in relation to the treatment plan. Be able to correctly use the facebow Knows about the clinical and laboratory procedures included in the fabrication of fixed partial prostheses
Content of the module:	gingival retraction, and impression making Casts & Dies Try-in procedure, characterization & glazing Resin cements Cementation Procedure Restoration of endodontically treated teeth & Endocrowns Adhesive bridges Indirect Laminate veneers
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT327	**Module title:** Endodontics I (Theory)
Level/semester:	3 / Fall
Credit hours:	**Thereof lecture hours:** 15
	Thereof practical hours: -
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Examination and diagnosis of the Endodontic patient; LO2: Identify and differentiate the pulpal and periapical diseases; LO3: Learning how to isolate the tooth during root canal treatment; LO4: Management of endodontic complications; LO5: Able to evaluate the success and failure of root canal treatment; LO6: Deciding to perform the endodontic treatment in a single of multiple sessions.
Content of the module:	This course provides a comprehensive overview of endodontic principles and practices, focusing on the diagnosis, classification, and microbiology of pulpal and periapical diseases. Key topics include patient examination, isolation techniques such as rubber dam application, and protocols for sterilization and disinfection of instruments. Students will explore evaluation criteria for treatment success, management of complications, and the execution of both single and multi-session root canal treatments. Through a blend of theoretical knowledge and practical skills, the course equips students with the expertise needed for effective endodontic care.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT328	**Module title:** Endodontics II (Theory)
Level/semester:	3 / Spring
Credit hours:	**Thereof lecture hours:** 15
	Thereof practical hours: -
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Evaluates the success of endodontic treatment and decides retreatment. LO2: Identifies endodontic complications and dental anomalies and knows the appropriate endodontic approaches. LO3: Diagnosis endo-perio common lesions and root resorption and knows treatment options. LO4: Knows how to restore the tooth after root canal treatment. LO5: Knows the effects of restoration procedures on pulp tissue. LO6: Learning the advanced endodontic tools and instruments.
Content of the module:	This course explores advanced concepts in endodontics, focusing on the diagnosis and management of endodontic-periodontal lesions and the endodontic approach to dental anomalies. Topics include root canal retreatment, restoration following root canal therapy, and the management of complications arising from endodontic procedures. Students will also study vital pulp treatments, the use of advanced endodontic instruments, and the impact of restorative procedures on pulp health. Emphasizing both theory and practice, the course prepares students for complex cases and interdisciplinary treatment planning.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT329	**Module title:** Endodontics I (Practice)
Level/semester:	3 / Fall
Credit hours:	**Thereof lecture hours:** -
	Thereof practical hours: 30
	Thereof self-study hours: 28
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Practice on opening the access cavity LO2: Practice on root canal preparation and step-back technique LO3: Practice on root canal obturation LO4: knows the materials used for root canal preparation and obturation LO5: Learning how to take periapical radiograph films LO6: Evaluate the success and failure of the root canal filling by the radiographs
Content of the module:	This course focuses on the foundational skills and techniques essential for successful endodontic treatment. It covers access cavity preparation, root canal shaping and cleaning, and obturation methods to achieve effective sealing. Emphasis is placed on the step-back technique for canal preparation and the use of periapical radiographs for diagnosis, treatment planning, and outcome assessment. Through theoretical instruction and hands-on practice, students will gain the knowledge and skills necessary for precise and effective endodontic procedures.
Examination:	Lab Works 1 Midterm Examination 1 Final Examination

Module number: DENT330	**Module title:** Endodontics II (Practice)
Level/semester:	3 / Spring
Credit hours:	**Thereof lecture hours:** -
	Thereof practical hours: 30
	Thereof self-study hours: 28
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Practice on opening the access cavity LO2: Practice on root canal preparation and step-back technique LO3: Practice on root canal obturation LO4: knows the materials used for root canal preparation and obturation LO5: Learning how to take periapical radiograph films LO6: Evaluate the success and failure of the root canal filling by the radiographs
Content of the module:	This course focuses on the foundational skills and techniques essential for successful endodontic treatment. It covers access cavity preparation, root canal shaping and cleaning, and obturation methods to achieve effective sealing. Emphasis is placed on the step-back technique for canal preparation and the use of periapical radiographs for diagnosis, treatment planning, and outcome assessment. Through theoretical instruction and hands-on practice, students will gain the knowledge and skills necessary for precise and effective endodontic procedures.
Examination:	Lab Works 1 Midterm Examination 1 Final Examination

Module number: DENT331	**Module title:** Operative Dentistry III (Theory)
Level/semester:	3 / Fall
Credit hours:	**Thereof lecture hours:** 60
	Thereof practical hours: -
	Thereof self-study hours: 85
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Know and discuss the mechanisms of caries formation, know the risks and etiology and so can decide the treatment methodologies which can be used for preventive applications; LO2: Know the caries diagnosis and removal methods; LO3: Use the dental indices and make caries risk assessment for populations. Know the caries activity tests.; LO4: Know the parameters of adhesion, adhesive systems and composite resins' structures; LO5: Know both composite resin and amalgam applications and their interactions within the body.; LO6: Know the examination of children, pulpotomy and pulpectomy of primary teeth. LO7: Know the behavioral management techniques LO8: Explain classification of periodontal diseases, periodontal host defense mechanisms, periodontal diseases and genetic factors, periodontal pocket and bone destruction patterns LO9: Explain effects of environmental factors of being periodontitis, periodontal diseases on children, gingival overgrowths occlusal trauma and smoking effects on periodontium.
Content of the module:	Discussing the mechanism of dental caries formation. To define its formation types, risks and etiological factors. To teach the modern cavity preparation techniques and discuss the traditional and modern techniques used for caries diagnosis and removal. To teach the dental indices, caries risk assessment and caries activity tests. To teach and discuss adhesive dentistry, structures of composite resins and the clinical applications of both composites and amalgam. To discuss the toxicity of the dental materials. To teach the cervical lesions and dentin hypersensitivity. To teach periodontal basic principles , microbial and tissue defenses, tissue responses, which form the basis of periodontology, include the examination of acute periodontal conditions. To teach clinical and radiological examination at children, local anesthesia for children, behavioral management techniques, pulp therapies
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT332	**Module title:** Operative Dentistry IV (Theory)
Level/semester:	3 / Spring
Credit hours:	**Thereof lecture hours:** 60
	Thereof practical hours: -
	Thereof self-study hours: 56
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Demonstrate knowledge of common oral and maxillofacial surgical procedures, such as extractions and biopsies, and understand the importance of post-surgical care and patient management. Accurately interpret common dental radiographs (e.g., periapical, panoramic, and cephalometric) and apply them in diagnostic and treatment planning contexts. Identify various types of malocclusions and understand the principles behind orthodontic treatment options and the use of appliances. Understand the integration of surgery, radiology, and orthodontics within the context of comprehensive dental care.
Content of the module:	Surgery: To introduce students to the fundamental principles of oral and maxillofacial surgery, including common procedures, aseptic techniques, and patient management. Radiology: To provide an understanding of radiographic techniques, the interpretation of dental images, and the clinical applications of diagnostic imaging in oral health. Orthodontics: To offer a basic understanding of orthodontic principles, including the diagnosis and treatment planning for malocclusions and the use of orthodontic appliances. To develop interdisciplinary approaches to dental care, integrating surgery, radiology, and orthodontics in patient management.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT333	**Module title:** Operative Dentistry III (Practice)
Level/semester:	3 / Fall
Credit hours:	**Thereof lecture hours:** -
	Thereof practical hours: 90
	Thereof self-study hours: 26
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Apply differently characterized cavity types (Black and Modern Cavities) related with the different morphologies of the teeth. LO2: Know different cavity liners and apply them. Do pulp capping. LO3: Use adhesive systems, make composite resin and amalgam restorations. LO4: Reach outcomes from patient stories and radiographies and plan treatment LO5: Know how to hold the periodontal tools, their working areas and activities LO6: Know how to use and choose the sewing materials, techniques and application areas LO7: Prepare caries and pulpotomy cavities for primary teeth LO8: Do strip crowns
Content of the module:	Practicing the different Black cavity shapes and modern cavities; Discussing different types of cavity liners and practicing applications; Discussing the adhesive dentistry and practicing the adhesive system and composite resin applications; Practicing amalgam restoration applications; Teaching radiographic examinations and practicing to reach outcomes from the different patient stories; Practicing pulp capping applications; Teaching periodontal hand tools, their use by practicing on phantom jaws that simulate the patient's mouth, and to apply sewing techniques to jaw models. Teaching the preparation techniques for primary teeth, preparation of pulpotomy cavities and the strip crown applications.
Examination:	Lab Works 1 Midterm Examination 1 Final Examination

Module number: DENT334	**Module title:** Operative Dentistry IV (Practice)
Level/semester:	3 / Spring
Credit hours:	**Thereof lecture hours:** -
	Thereof practical hours: 90
	Thereof self-study hours: 55
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Demonstrate knowledge of common oral and maxillofacial surgical procedures, such as extractions and biopsies, and understand the importance of post-surgical care and patient management. Accurately interpret common dental radiographs (e.g., periapical, panoramic, and cephalometric) and apply them in diagnostic and treatment planning contexts. Identify various types of malocclusions and understand the principles behind orthodontic treatment options and the use of appliances. Understand the integration of surgery, radiology, and orthodontics within the context of comprehensive dental care.
Content of the module:	Surgery: To introduce students to the fundamental principles of oral and maxillofacial surgery, including common procedures, aseptic techniques, and patient management. Radiology: To provide an understanding of radiographic techniques, the interpretation of dental images, and the clinical applications of diagnostic imaging in oral health. Orthodontics: To offer a basic understanding of orthodontic principles, including the diagnosis and treatment planning for malocclusions and the use of orthodontic appliances. To develop interdisciplinary approaches to dental care, integrating surgery, radiology, and orthodontics in patient management.
Examination:	Lab Works 1 Midterm Examination 1 Final Examination

Module number: DENT401	**Module title:** Module VII - Dental Care for Patients wıth Special Needs
Level/semester:	4 / Fall
Credit hours:	**Thereof lecture hours:** 30
	Thereof practical hours: -
	Thereof self-study hours: 10
Language:	English
Learning outcomes/goals/skills of the module:	By the end of the course, students should be able to: Periodontology: Diagnose and manage periodontal diseases in patients with special needs, considering factors like immunosuppression, mobility limitations, or cognitive impairments. Prosthodontics: Develop and implement prosthetic treatments, adapting designs to accommodate physical disabilities or other special needs, such as a need for easier oral hygiene or more stable prostheses. Surgery: Perform and manage dental surgeries for patients with special needs, with an emphasis on creating a safe, comfortable environment and ensuring proper post-surgical care. Restorative Dentistry: Provide effective restorative care, understanding the unique challenges of patients with special needs, including considerations for sedation and anxiety management. Pedodontics: Implement effective communication and behavior management strategies in treating pediatric patients with special needs, promoting both preventive care and restorative treatments.
Content of the module:	This course ensures that students are equipped with the knowledge and skills to address the diverse challenges posed by patients with special needs, integrating key areas of dentistry to deliver comprehensive care. Periodontology: To understand the challenges in diagnosing and managing periodontal disease in patients with special needs, recognizing the impact of systemic conditions on periodontal health. Prosthodontics: To develop skills in providing appropriate prosthetic solutions, including dentures and crowns, while considering the physical and psychological limitations of special needs patients. Surgery: To gain proficiency in managing surgical procedures, such as tooth extractions or soft tissue surgeries, ensuring that special considerations for anesthesia, positioning, and post-operative care are met. Restorative Dentistry: To apply restorative treatments, such as fillings and crowns, while addressing the challenges presented by the patient's medical and cognitive conditions. Pedodontics: To understand and apply pediatric dental principles, including behavior management techniques and appropriate preventive care, tailored for children with special needs.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT402	**Module title:** Module VIII – Sprecific Topics in Dentistry I
Level/semester:	4 / Spring
Credit hours:	**Thereof lecture hours:** 30
	Thereof practical hours: -
	Thereof self-study hours: 10
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Learns the principles and guidelines of oral implantation LO2: Understands radiological, surgical and prosthetic stages of oral implantology LO3: Learns the hard tissue deficiencies around the implant LO4: Knows the biomaterails used in implantology procedure
Content of the module:	Introduction to implantology and the concept of osteointegration Biological gap and implant-natural tooth interface differences Hard tissue deficiencies around the implant Biomaterials Periimplant soft tissue and periimplantitis
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT403	**Module title:** Medical Sciences I
Level/semester:	4 / Fall
Credit hours:	**Thereof lecture hours:** 30
	Thereof practical hours: -
	Thereof self-study hours: 10
Language:	English
Learning outcomes/goals/skills of the module:	By the end of the course, students should be able to: Understands emergency situations and makes the necessary intervention and guidance. Knows the methods and materials used in oral hygiene Konows Basic Life Support and relationship with dentistry Learning the systemic problems and relationship with denistry
Content of the module:	Teaching what to do in an emergency situation and giving information that can help with interventions in the necessary situations, and to give information about the interventions in oral and dental care. Oral hygiene habits; to develop an individual's observations of themselves, his/her life and his/her environment with systematic knowledge.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT404	**Module title:** Medical Sciences II
Level/semester:	4 / Spring
Credit hours:	**Thereof lecture hours:** 30
	Thereof practical hours: -
	Thereof self-study hours: 10
Language:	English
Learning outcomes/goals/skills of the module:	By the end of the course, students should be able to: Knows the forensic responsibilities of dentistry Understands the process, liability and reporting procedures of forensic medicine Knows the neuropsychiatric diseases and how to approach them in dentistry Identifies skin and mucous lesions
Content of the module:	Teaching the probable medical complications and forensic responsibilities during dentistry practice and teaching the reporting stage of these diseases; teaching the approach of dentistry conditions in patients with neuropsychiatric diseases and treatments. Teaching how to make differential diagnosis of dermatological diseases that also give mouth findings
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT405	**Module title:** Oral and Maxillofacial Surgery I
Level/semester:	4 / Fall
Credit hours:	**Thereof lecture hours:** 30
	Thereof practical hours: -
	Thereof self-study hours: 10
Language:	English
Learning outcomes/goals/skills of the module:	By the end of the course, students should be able to: Perform Surgical Procedures: Demonstrate the ability to perform routine oral and maxillofacial surgeries, including tooth extractions, soft tissue excisions, and biopsies, with appropriate anesthetic techniques. Manage Surgical Complications: Identify and manage common complications associated with oral and maxillofacial surgery, such as bleeding, infection, or nerve damage. Preoperative and Postoperative Care: Plan and execute preoperative assessments, including medical history, and provide appropriate postoperative care for optimal recovery. Analyze and Treat Pathologies: Evaluate and treat common oral and maxillofacial pathologies, such as cysts, tumors, and infections, using the most effective surgical approach. Interdisciplinary Treatment Planning:
Content of the module:	The Oral and Maxillofacial Surgery course teaches dental students essential surgical techniques for treating conditions of the mouth, jaws, and face. It covers surgical principles, patient assessment, and procedures like tooth extractions and biopsies. The course also addresses managing trauma and pathologies, postoperative care, and effective collaboration with other healthcare providers for comprehensive patient care. Ultimately, it prepares students for clinical practice in oral and maxillofacial surgery.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT406	**Module title:** Oral and Maxillofacial Surgery II
Level/semester:	4 / Spring
Credit hours:	**Thereof lecture hours:** 30
	Thereof practical hours: -
	Thereof self-study hours: 10
Language:	English
Learning outcomes/goals/skills of the module:	Upon completion of this course, students will be able to: Understand the pathology and clinical presentation of common oral conditions, including cysts, tumors, and odontogenic infections. Demonstrate proficiency in the surgical extraction of teeth, including impacted and embedded teeth. Recognize and provide treatment for both benign and malignant jaw tumors, as well as traumatic jaw fractures. Prepare patients for prosthetic rehabilitation by performing necessary preprosthetic surgical procedures. Diagnose and treat common disorders of the salivary glands, including infections and neoplasms. Plan and execute dental implant surgeries, including advanced techniques for cases involving insufficient bone and soft tissue. Diagnose and manage the oral manifestations of systemic conditions, integrating knowledge of how systemic diseases affect oral health. Understand the management of facial trauma, including the treatment of soft tissue injuries and bone fractures.
Content of the module:	The field of maxillofacial surgery includes diagnosis and treatment of oral diseases, tooth extraction, embedded dental surgery, treatment of cysts of the jaw and surrounding tissues, jaw tumors and treatments, maxillofacial traumatology and treatment of jaw fractures, preprosthetic surgeries, treatment of odontogenic infections, treatment of salivary gland diseases, dental implantology and advanced implant surgery in cases where there is not enough bone and soft tissue for implant applications. In addition, diagnosis and treatment of oral manifestations of some systemic diseases are also performed.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT407	**Module title:** Pediatric Dentistry I
Level/semester:	4 / Fall
Credit hours:	**Thereof lecture hours:** 15
	Thereof practical hours: -
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Discuss the cases and creates treatment planing; LO2: Knows the names of dental traumatic injuries in primary and permannet dentition; LO3: Knows the types and indications of space maintainers; LO4: Knows the planing of space maintainers on panoramic cases; LO5: Knows the classification of periodontal diseases in children with systemic diseases; LO6: Diagnosis the periodontal diseases in children with systemic diseases on panoramic cases
Content of the module:	Pain in Pediatric Dentistry, Pulp Morphology and Endodontic Approaches in Primary Dentition, Traditional and Regenerative Endodontic Approaches in Immature Permanent Teeth, Dental Traumatic Injuries in Primary Dentition, Dental Traumatic Injuries in Permanent Dentition, Emergency in Dental Traumatic Injuries (Avulsion), Case Reports of Dental Traumatic Injuries.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT408	**Module title:** Pediatric Dentistry II
Level/semester:	4 / Spring
Credit hours:	**Thereof lecture hours:** 15
	Thereof practical hours: -
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Knows the etiology, prevention and treatment choices about MIH; LO2: Knows the names-features-techniques of pediatric dental materials; LO3: Knows the types and indications of antimictobials used in pediatric dentistry; LO4: Knows the antibiotic prescription in pediatric dentistry; LO5: Knows the features and techniques of regenerative dentistry.
Content of the module:	Molar Incisor Hypomineralisation (MIH), Case reports of MIH, Anterior Esthetic Applications in Primary Dentition, New Restorative Techniques and Restorative Materials in Primary Dentition, Antimicrobials in Pediatric Dentistry, Case Reports and Treatment Planing, Regenerative Dentistry and Dental Tissue Engineering.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT409	**Module title:** Prosthetic Dentistry I
Level/semester:	4 / Fall
Credit hours:	**Thereof lecture hours:** 15
	Thereof practical hours: -
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Understands the concept of colour LO2: Know about the different methods used in Colour matching process, and possess the knowledge necessary to be able to perform correct shade matching during the prosthetic rehabilitation of the anterior segment of the mouth LO3: Possess the knowledge necessary to be able to conduct correct facial and oral aesthetic analysis during the aesthetic rehabilitation of patients LO4: Be able to correctly apply illusion techniques during the aesthetic rehabilitation of the anterior segment of the mouth for better aesthetic results LO5: Possess the basic knowledge necessary to be able to efficiently use contemporary manufacturing technologies for the fabrication of dental prostheses LO6: Understands the concept of full-mouth, its indications and contraindications, and how/when to apply it for the prosthetic rehabilitation of partially-edentulous patients LO7: Understands the concept of Overdenture, its indications and contraindications, and how/when to apply it for the prosthetic rehabilitation of edentulous patients
Content of the module:	This course provides an in-depth understanding of modern prosthodontic principles with a focus on aesthetics, digital workflows, and contemporary manufacturing techniques. Topics include the concept of color and facial analysis, along with illusion techniques to enhance the visual appeal of dental restorations. Students will explore the full-mouth concept, tooth-supported overdentures, and adhesion protocols for full-ceramic restorations. Emphasis is placed on integrating digital workflows in prosthetic dentistry, enabling students to apply cutting-edge technologies in their practice. Through this course, students will gain the skills and knowledge necessary for creating functional, aesthetic, and durable restorations in contemporary dental practice.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT410	**Module title:** Prosthetic Dentistry II
Level/semester:	4 / Spring
Credit hours:	**Thereof lecture hours:** 15
	Thereof practical hours: -
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: To distinguish the specificity of the stomatognathic system into the whole body. LO2: Emphasize the importance of appropriate occlusion morphology, functionality and jaw relations from childhood to adulthood. LO3: Setting up a treatment plan for the most prevalent diseases in the field.
Content of the module:	The students are introduced to the "clinic" of already familiar concepts such as: occlusion, dental morphology and Temporomandibular joint. When approaching the end of the course the students will have acquired the following competences subsequently listed. Focus on the significance of cranio-mandibular disorders and TMJ disorders in a dynamic and functional relation to other components of the stomatognathic system. Understanding the neuromuscular basis of mobility of the stomatognathic system and dental occlusion. Identifing the most appropriate diagnostic exams in the area. Setting up a simple treatment planning for occlusal disorders.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT411	**Module title:** Orthodontics I
Level/semester:	4 / Fall
Credit hours:	**Thereof lecture hours:** 15
	Thereof practical hours: -
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will: Knows the oethodontic classifications Knows the treatment procedures of open bite and deep bite cases, Identify the cleft lip and palate and the management, Knows the relationship between the surgery and oethodontics as treatment.
Content of the module:	his course introduces orthodontic classifications and focuses on the diagnosis and treatment procedures for common malocclusions such as open bite and deep bite cases. Students will learn to identify and manage cleft lip and palate, understanding the multidisciplinary approach required for effective treatment. Emphasis is placed on the relationship between orthodontics and surgery, highlighting how both fields collaborate in the treatment of complex orofacial conditions. Through theoretical instruction and practical case studies, students will gain the knowledge needed to approach various orthodontic challenges and develop comprehensive treatment plans.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT412	**Module title:** Orthodontics II
Level/semester:	4 / Spring
Credit hours:	**Thereof lecture hours:** 15
	Thereof practical hours: -
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will: Knows the oethodontic classifications Knows the treatment procedures of open bite and deep bite cases, Identify the cleft lip and palate and the management, Knows the relationship between the surgery and oethodontics as treatment.
Content of the module:	To know the oethodontic classifications, to know the treatment procedures of open bite and deep bite cases, to identify the cleft lip and palate and the management, to know the relationship between the surgery and oethodontics as treatment.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT413	**Module title:** Restorative Dentistry
Level/semester:	4 / Fall
Credit hours:	**Thereof lecture hours:** 15
	Thereof practical hours: -
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Explain and discuss the aetiology, diagnosis and treatment modalities for dentin hypersensitivity and dental discolorations. LO2: Have knowledge about the composite resin laminate veneers, restoration methods for higly degredaded teeth like inlay and onlay applications. LO3: Explain and discuss the basics of esthetic dentistry. LO4: Have knowledge about the fiber technologies used in restorative dentistry. LO5: Have knowledge about the basics of regenerative treatment methodologies for restorative dentistry.
Content of the module:	Dentin Hypersensitivity, Introduction to color science, Aetiology of dental discolorations, Treatment methodologies of dental discolorotaions for vital and devital teeth, Composite resin laminate veneers, Composite inlays and onlays, Fiber technology in dentistry, Regenerative treatments in restorative dentistry
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT414	**Module title:** Oral and Maxillofacial Radiology
Level/semester:	4 / Spring
Credit hours:	**Thereof lecture hours:** 15
	Thereof practical hours: -
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	By the end of the course, students should be able to: Radiographic Proficiency: Accurately capture various types of radiographs with proper technique and positioning. Interpretation: Identify and diagnose common oral and maxillofacial conditions based on radiographic images. Radiation Safety: Apply radiation protection principles in clinical practice to minimize exposure. Clinical Integration: Use radiographs to support treatment planning, making evidence-based decisions for optimal patient care. Advanced Imaging Techniques: Demonstrate understanding and application of advanced imaging techniques, such as CBCT, to assess complex oral and maxillofacial conditions.
Content of the module:	Introduction to Radiologic Principles: To understand the basic principles of radiology, including the physics of X-rays, radiation safety, and the creation of radiographic images. Radiographic Techniques: To develop proficiency in various radiographic techniques such as intraoral, panoramic, and cone-beam computed tomography (CBCT) for imaging the teeth, jaws, and surrounding structures. Interpretation Skills: To learn to interpret radiographic images for identifying normal and abnormal conditions, including caries, periodontal disease, cysts, tumors, and trauma. Radiation Safety and Protection: To ensure students understand radiation safety protocols to protect patients, practitioners, and the environment from unnecessary exposure. Clinical Application: To integrate radiographic findings into the diagnostic and treatment planning process, helping students make informed decisions in managing oral health conditions.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT415	**Module title:** Endodontics
Level/semester:	4 / Fall
Credit hours:	**Thereof lecture hours:** 15
	Thereof practical hours: -
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Knowing the methods to bleach the endodontically treated teeth LO2: Learning how to manage the immature teeth LO3: Learning the effect of orthodontic treatment on the dental pulp LO4: Knowing the classifications of dental trauma and their management LO5: Knowing how to manage the emergency endodontic cases and applying the endodontic surgery and systemic drugs LO6: Learning the classification of tooth resorptions and knowing the systemic diseaeses in endodontics
Content of the module:	This course covers advanced concepts and techniques in endodontics, including the bleaching of non-vital teeth, apexification and apexogenesis, and regenerative endodontics. Students will explore the relationship between endodontics and orthodontics, focusing on how these fields intersect in treatment planning. The course also addresses the management of traumatic dental injuries, emergency approaches, and pain control in endodontic procedures. Endodontic surgery, root resorptions, and the impact of systemic diseases on endodontic treatment are thoroughly discussed. Additionally, the course examines the role of systemic drug use in endodontics. Through clinical cases and practical exercises, students will develop expertise in handling complex endodontic scenarios and integrating multidisciplinary approaches for optimal patient care.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT416	**Module title:** Periodontology
Level/semester:	4 / Spring
Credit hours:	**Thereof lecture hours:** 30
	Thereof practical hours: -
	Thereof self-study hours: 10
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: The students will learn in detail the acute disorders that may occur in periodontal tissues, LO2: Treatment planning, LO3: Prognosis of teeth, LO4: The effects of systemic diseases and hormonal changes on periodontal conditions, LO5: Multidisciplinary aspects of gingival and periodontal diseases, LO6: Aesthetic and functional advanced gingival treatments for gingival diseases
Content of the module:	Diagnosis, radiological diagnosis and advanced diagnostic techniques in periodotology Periodontal medicine Prognosis and risk assessment Treatment planning and phase 1 treatment Host modulation and antiinfective therapies Surgical treatment principles and basic periodontal surgeries Periodontal treatments in patients with systemic diseases Periodontal features in female elderly HIV individuals Acute periodontal diseases Mobility treatments Periodontal flap and gingival enlargement Gingivectomy, gingivoplasty and gingival enlargement treatments Mucogingival surgeries Interrelationship between periodontology and other departments Furcation treatments and phase 4 periodontal treatment
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT417	**Module title:** Prosthetic Dentistry I (Clinical Practice)
Level/semester:	4 / Fall
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 30
	Thereof self-study hours: 28
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT418	**Module title:** Prosthetic Dentistry II (Clinical Practice)
Level/semester:	4 / Spring
Credit hours:	**Thereof lecture hours:** -
	Thereof practical hours: 30
	Thereof self-study hours: 28
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT419	**Module title:** Oral and Maxillofacial Surgery I (Clinical Practice)
Level/semester:	4 / Fall
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 30
	Thereof self-study hours: 28
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT420	**Module title:** Oral and Maxillofacial Surgery II (Clinical Practice)
Level/semester:	4 / Spring
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 30
	Thereof self-study hours: 28
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT421	**Module title:** Restorative Dentistry I (Clinical Practice)
Level/semester:	4 / Fall
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Preliminary Assesment Examination Completion of mandatory cases defined for the semester 1 Final Examination

Module number: DENT422	**Module title:** Restorative Dentistry II (Clinical Practice)
Level/semester:	4 / Spring
Credit hours:	**Thereof lecture hours:** -
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Reach outcomes from patient stories and radiographies and plan treatment LO2: Have knowledge about the aetiology of dental caries, dentin hypersensitivity, discolorations and diagnose these conditions LO3: Apply differently characterized cavity types (Black and Modern Cavities) related with the different morphologies of the teeth and the pathologies LO4: Have knowledge about different cavity liners and apply them. Do pulp capping or partial removal of dental caries and stepwise excavation techniques. LO5: Use adhesive systems, make composite resin and amalgam restorations. LO6: Have knowledge about the risk factors increasing the caries prevelance LO7: Apply the caries risk assessment methods like diet analysis and saliva analysis and guide the patient, do a preventive treatment plan for the patient LO8: Have knowledge about the materials and techniques used for dentin hypersensitivity and apply them to the diagnosed cases.
Content of the module:	Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of cases related with restorative dentistry, Taking the exam patient
Examination:	Preliminary Assesment Examination Completion of mandatory cases defined for the semester 1 Final Examination

Module number: DENT423	**Module title:** Endodontics I (Clinical Practice)
Level/semester:	4 / Fall
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT424	**Module title:** Endodontics II (Clinical Practice)
Level/semester:	4 / Spring
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT425	**Module title:** Paediatric Dentistry I (Clinical Practice)
Level/semester:	4 / Fall
Credit hours:	**Thereof lecture hours:** -
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT426	**Module title:** Paediatric Dentistry II (Clinical Practice)
Level/semester:	4 / Spring
Credit hours:	**Thereof lecture hours:** -
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT427	**Module title:** Oral and Maxillofacial Radiology I (Clinical Practice)
Level/semester:	4 / Fall
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT428	**Module title:** Oral and Maxillofacial Radiology II (Clinical Practice)
Level/semester:	4 / Spring
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT429	**Module title:** Orthodontics I (Clinical Practice)
Level/semester:	4 / Fall
Credit hours:	**Thereof lecture hours:** -
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT430	**Module title:** Orthodontics II (Clinical Practice)
Level/semester:	4 / Spring
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT431	**Module title:** Periodontology I (Clinical Practice)
Level/semester:	4 / Fall
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT432	**Module title:** Periodontology II (Clinical Practice)
Level/semester:	4 / Spring
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT501	**Module title:** Module IX – Sprecific Topics in Dentistry II
Level/semester:	5 / Fall
Credit hours:	**Thereof lecture hours:** 30
	Thereof practical hours: -
	Thereof self-study hours: 55
Language:	English
Learning outcomes/goals/skills of the module:	By the end of the course, students should be able to: Perform Clinical Procedures: Demonstrate competence in various dental procedures such as restorative treatments, extractions, and handling of soft and hard tissue surgeries, along with an ability to perform and interpret basic radiographic techniques. Interpret Radiographic Images: Accurately interpret dentomaxillofacial radiographs, including X-rays, panoramic, and CBCT, and use this information to assist in diagnosing oral diseases, pathologies, and trauma. Manage Maxillofacial Conditions: Effectively manage patients with oral and maxillofacial conditions requiring surgical intervention, applying appropriate surgical techniques and postoperative care practices. Apply Interdisciplinary Knowledge: Integrate knowledge from radiology and surgery into treatment planning, ensuring comprehensive and accurate patient care. Professional and Ethical Conduct: Demonstrate professional and ethical behavior when interacting with patients, staff, and colleagues, ensuring quality patient care while adhering to safety and radiological standards.
Content of the module:	Clinical Proficiency Development: To ensure students acquire proficiency in performing a variety of clinical procedures, including routine dental treatments, radiographic imaging, and maxillofacial surgical interventions. Understanding Radiology and Imaging Techniques: To develop a thorough understanding of dentomaxillofacial radiology, including techniques like intraoral, panoramic, and cone-beam CT scans, and how to interpret these images in the context of patient diagnosis and treatment. Maxillofacial Surgery Skills: To provide students with practical knowledge of oral and maxillofacial surgery, focusing on surgical procedures such as extractions, biopsies, and treatment of facial trauma and pathologies. Patient Management: To teach students how to manage patients with complex conditions, incorporating radiographic findings and surgical planning into treatment strategies. Interdisciplinary Collaboration: To emphasize the importance of teamwork in clinical practice, encouraging collaboration between dental professionals, radiologists, and surgeons to provide comprehensive care
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT502	**Module title:** Module X – Practice Management
Level/semester:	5 / Spring
Credit hours:	**Thereof lecture hours:** 30
	Thereof practical hours: -
	Thereof self-study hours: 28
Language:	English
Learning outcomes/goals/skills of the module:	By the end of the course, students should be able to: Manage Finances: Develop and manage a budget, handle billing and insurance claims, and make informed financial decisions to ensure the sustainability of a dental practice. Optimize Practice Operations: Organize and manage daily operations effectively, ensuring efficient patient flow, scheduling, and inventory control. Implement Marketing Strategies: Create and implement effective marketing strategies to attract and retain patients, utilizing various platforms, including digital and traditional methods. Manage Human Resources: Successfully manage and lead a dental team, fostering a collaborative and efficient work environment. Ensure Legal Compliance: Understand and comply with legal and ethical standards in dental practice management, ensuring that patient rights and privacy are maintained.
Content of the module:	The Dental Practice Management course equips dental students with essential knowledge and skills necessary to manage and operate a successful dental practice. It focuses on both the administrative and business aspects of dentistry, teaching students how to balance patient care with the demands of running a practice effectively. This course emphasizes areas such as financial management, personnel management, marketing, and patient relations, as well as the legal and ethical considerations involved in practice management.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT503	**Module title:** Graduation Project I
Level/semester:	5 / Fall
Credit hours:	**Thereof lecture hours:** 15
	Thereof practical hours: -
	Thereof self-study hours: 45
Language:	English
Learning outcomes/goals/skills of the module:	By the end of the course, students should be able to: Conduct Independent Research: Design, conduct, and analyze a research project that contributes to the field of dentistry. Synthesize and Apply Knowledge: Integrate information from various dental disciplines to formulate innovative solutions to clinical or research-based problems. Communicate Effectively: Write and present research findings in a professional and clear manner, adhering to academic standards. Demonstrate Professionalism: Exhibit professionalism in managing the research process, meeting deadlines, and collaborating with peers and mentors. Evaluate and Reflect: Critically evaluate research outcomes and reflect on the implications for future dental practice or research.
Content of the module:	The Graduation Project course in dentistry provides students with the opportunity to conduct original research or work on a comprehensive project related to dental practice. This capstone course is designed to integrate the knowledge and skills acquired throughout the dental program, encouraging students to contribute to the field through research, clinical practice, or innovative solutions to current challenges in dentistry.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT504	**Module title:** Graduation Project II
Level/semester:	5 / Spring
Credit hours:	**Thereof lecture hours:** 30
	Thereof practical hours: -
	Thereof self-study hours: 86
Language:	English
Learning outcomes/goals/skills of the module:	By the end of the course, students should be able to: Conduct Independent Research: Design, conduct, and analyze a research project that contributes to the field of dentistry. Synthesize and Apply Knowledge: Integrate information from various dental disciplines to formulate innovative solutions to clinical or research-based problems. Communicate Effectively: Write and present research findings in a professional and clear manner, adhering to academic standards. Demonstrate Professionalism: Exhibit professionalism in managing the research process, meeting deadlines, and collaborating with peers and mentors. Evaluate and Reflect: Critically evaluate research outcomes and reflect on the implications for future dental practice or research.
Content of the module:	The Graduation Project course in dentistry provides students with the opportunity to conduct original research or work on a comprehensive project related to dental practice. This capstone course is designed to integrate the knowledge and skills acquired throughout the dental program, encouraging students to contribute to the field through research, clinical practice, or innovative solutions to current challenges in dentistry.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT505	**Module title:** Integrated Dentistry I (Theory)
Level/semester:	5 / Fall
Credit hours:	**Thereof lecture hours:** 15
	Thereof practical hours: -
	Thereof self-study hours: 45
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Continue to provide clinical dental treatments pursuant to their patient's needs and the individual student's abilities. LO2: Develop competence in clinical dental practice through the provision of dental care to patients; compose and implement periodontal, endodontic, and restorative dental treatment plans, and plan the other dental treatment needs for patients; plan and manage the maintenance of patients' oral health.
Content of the module:	The course is a multipledicipliney approach which aims to diagnose, plan and treat any type of pathology that patient have in the dental clinic. In particular: endodontic treatment of any dental group (incisors, canines, premolars and molars), periodontal pathologies, prosthetic rehabilitation treatments, any type of conservative dentistry treatment, most tooth extractions and root canal exodontia, and problems related to the temporomandibular joint can be rehabilitated. This unit further builds on the fundamental knowledge and skills gained in the previous years of the dentistry courses. Students will continue learning in all the clinical disciplines that were introduced in the Integrated Dental Practices– that is, Periodontics, Endodontics, Restorative Dentistry (including Prosthodontics), Oral Surgery. Students will continue to provide clinical dental treatments pursuant to their patient's needs and the individual student's abilities.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT506	**Module title:** Integrated Dentistry II (Theory)
Level/semester:	5 / Spring
Credit hours:	**Thereof lecture hours:** 15
	Thereof practical hours: -
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Continue to provide clinical dental treatments pursuant to their patient's needs and the individual student's abilities. LO2: Develop competence in clinical dental practice through the provision of dental care to patients; compose and implement periodontal, endodontic, and restorative dental treatment plans, and plan the other dental treatment needs for patients; plan and manage the maintenance of patients' oral health.
Content of the module:	The course is a multipledicipliney approach which aims to diagnose, plan and treat any type of pathology that patient have in the dental clinic. In particular: endodontic treatment of any dental group (incisors, canines, premolars and molars), periodontal pathologies, prosthetic rehabilitation treatments, any type of conservative dentistry treatment, most tooth extractions and root canal exodontia, and problems related to the temporomandibular joint can be rehabilitated. This unit further builds on the fundamental knowledge and skills gained in the previous years of the dentistry courses. Students will continue learning in all the clinical disciplines that were introduced in the Integrated Dental Practices– that is, Periodontics, Endodontics, Restorative Dentistry (including Prosthodontics), Oral Surgery. Students will continue to provide clinical dental treatments pursuant to their patient's needs and the individual student's abilities.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT507	**Module title:** Integrated Clinic Rotation I (Clinical Practice)
Level/semester:	5 / Fall
Credit hours:	**Thereof lecture hours:** -
	Thereof practical hours: 30
	Thereof self-study hours: 55
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Continue to provide clinical dental treatments pursuant to their patient's needs and the individual student's abilities. LO2: Develop competence in clinical dental practice through the provision of dental care to patients; compose and implement periodontal, endodontic, and restorative dental treatment plans, and plan the other dental treatment needs for patients; plan and manage the maintenance of patients' oral health.
Content of the module:	The course is a multiplediciplinery approach which aims to diagnose, plan and treat any type of pathology that patient have in the dental clinic. In particular: endodontic treatment of any dental group (incisors, canines, premolars and molars), periodontal pathologies, prosthetic rehabilitation treatments, any type of conservative dentistry treatment, most tooth extractions and root canal exodontia, and problems related to the temporomandibular joint can be rehabilitated. This unit further builds on the fundamental knowledge and skills gained in the previous years of the dentistry courses. Students will continue learning in all the clinical disciplines that were introduced in the Integrated Dental Practices– that is, Periodontics, Endodontics, Restorative Dentistry (including Prosthodontics), Oral Surgery. Students will continue to provide clinical dental treatments pursuant to their patient's needs and the individual student's abilities.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT508	**Module title:** Integrated Clinic Rotation II (Clinical Practice)
Level/semester:	5 / Spring
Credit hours:	**Thereof lecture hours:** -
	Thereof practical hours: 30
	Thereof self-study hours: 5
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: LO1: Continue to provide clinical dental treatments pursuant to their patient's needs and the individual student's abilities. LO2: Develop competence in clinical dental practice through the provision of dental care to patients; compose and implement periodontal, endodontic, and restorative dental treatment plans, and plan the other dental treatment needs for patients; plan and manage the maintenance of patients' oral health.
Content of the module:	The course is a multipledicipliney approach which aims to diagnose, plan and treat any type of pathology that patient have in the dental clinic. In particular: endodontic treatment of any dental group (incisors, canines, premolars and molars), periodontal pathologies, prosthetic rehabilitation treatments, any type of conservative dentistry treatment, most tooth extractions and root canal exodontia, and problems related to the temporomandibular joint can be rehabilitated. This unit further builds on the fundamental knowledge and skills gained in the previous years of the dentistry courses. Students will continue learning in all the clinical disciplines that were introduced in the Integrated Dental Practices– that is, Periodontics, Endodontics, Restorative Dentistry (including Prosthodontics), Oral Surgery. Students will continue to provide clinical dental treatments pursuant to their patient's needs and the individual student's abilities.
Examination:	1 Midterm Examination 1 Final Examination

Module number: DENT509	**Module title:** Prosthetic Dentistry III (Clinical Practice)
Level/semester:	5 / Fall
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 30
	Thereof self-study hours: 55
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT510	**Module title:** Prosthetic Dentistry IV (Clinical Practice)
Level/semester:	5 / Spring
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 30
	Thereof self-study hours: 55
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT511	**Module title:** Oral and Maxillofacial Surgery III (Clinical Practice)
Level/semester:	5 / Fall
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 30
	Thereof self-study hours: 55
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT512	**Module title:** Oral and Maxillofacial Surgery IV (Clinical Practice)
Level/semester:	5 / Spring
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 30
	Thereof self-study hours: 55
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT513	**Module title:** Restorative Dentistry III (Clinical Practice)
Level/semester:	5 / Fall
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Completion of mandatory cases defined for the semester 1 Final Examination

Module number: DENT514	**Module title:** Restorative Dentistry IV (Clinical Practice)
Level/semester:	5 / Spring
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Completion of mandatory cases defined for the semester Exam Patient (Verbal and practical exam on a case) 1 Final Examination

Module number: DENT515	**Module title:** Endodontics III (Clinical Practice)
Level/semester:	5 / Fall
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT516	**Module title:** Endodontics IV (Clinical Practice)
Level/semester:	5 / Spring
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT517	**Module title:** Paediatric Dentistry III (Clinical Practice)
Level/semester:	5 / Fall
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT518	**Module title:** Paediatric Dentistry IV (Clinical Practice)
Level/semester:	**Thereof lecture hours: -**
Credit hours:	**Thereof practical hours:** 15
	Thereof self-study hours: 14
	English
Language:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Learning outcomes/goals/skills of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Content of the module:	Clinical training course
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT519	**Module title:** Oral and Maxillofacial Radiology III (Clinical Practice)
Level/semester:	5 / Fall
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT520	**Module title:** Oral and Maxillofacial Radiology IV (Clinical Practice)
Level/semester:	5 / Spring
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT521	**Module title:** Orthodontics II (Clinical Practice)
Level/semester:	5 / Fall
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT522	**Module title:** Orthodontics IV (Clinical Practice)
Level/semester:	5 / Spring
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Clinical Assignments 1 Final Examination

Module number: DENT523	**Module title:** Periodontology III (Clinical Practice)
Level/semester:	5 / Fall
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Midterm Examination / Cota File Report 1 Final Examination

Module number: DENT524	**Module title:** Periodontology IV (Clinical Practice)
Level/semester:	5 / Spring
Credit hours:	**Thereof lecture hours: -**
	Thereof practical hours: 15
	Thereof self-study hours: 14
Language:	English
Learning outcomes/goals/skills of the module:	On successful completion of the course, the student will be able to: Perform Clinical Procedures: Demonstrate competence in a range of dental procedures, from routine exams and cleanings to more complex treatments such as fillings, crowns, and extractions. Manage Patient Care: Effectively assess and manage patient needs, including comprehensive treatment planning, communication, and follow-up care. Demonstrate Professionalism: Exhibit professional behavior, ethical decision-making, and communication with patients and team members in a clinical setting. Apply Knowledge to Practice: Integrate knowledge from basic and clinical sciences to inform clinical decision-making, ensuring the safety and effectiveness of treatments. Reflect and Improve: Self-assess clinical work and identify areas for improvement in both technical skills and patient management.
Content of the module:	Intraoral and extraoral examination and radiographic examination practice, Preliminary assessment, Review of the clinical subjects and case discussion, Report presentations for the cases and completing the treatment planning with the lecturers, Treatment applications according to the indications of the cases
Examination:	Midterm Examination / Cota File Report 1 Final Examination