

Faculty of

Dentistry

Faculty of Dentistry

Departments

Oral Pathology

Oral Biology includes Descriptive Dental Anatomy and Oral Histology

Department of Dental Biomaterials

Operative Dentistry

Endodontics

Prosthodontics Includes Fixed and Removable Prosthodontics & Occlusion

Oral Medicine and Periodontology Includes Diagnosis and Dental Radiology

Oral and Maxillofacial Surgery

Pediatric and Community Dentistry

Orthodontics

History

The Faculty of Dentistry was found in 1995. Since establishment, ten academic departments has been included, thus ensuring quality and student focused education.

The Faculty of Dentistry implements the latest techniques in dental education to serve students seeking an education and training of a high caliber.

In the year 2000, the Faculty expanded its dental curriculum to incorporate postgraduate education in all ten departments including Diploma, Master Degrees and PhD Degrees, thus providing the Lebanese community with highly qualified dental specialists, as well as future Faculty staff.

The Credit Hour system was adopted in 2005, thereby offering students a more adaptable and responsive program of study that extends over a 10 semester period assuring a better career in clinical dentistry and promoting interaction between dentists and dental health professionals.

Vision

The Faculty of Dentistry envisions itself a leading institution among all reputable dental schools all over the world in terms of dental education; Research and patient care.

Mission

- Developing principled, skilled and compassionate practitioners and leaders in oral health care (competent health care professionals)
- Developing exemplary clinicians, educators and scientists
- Training the dentists who will become an integral part of the multidisciplinary team of health care professionals that will satisfy the needs of the community
- Delivering and promoting high quality oral health services
- Serving as a leader in health professions education
- Seeking innovations in science, education and health care delivery
- Expanding the body of knowledge about oral and related diseases
- Fostering optimal clinical effectiveness of dental surgery through professional education
- Establishment of standards for quality assurance and professional training

- Developing evidence - based standards, guidelines, and recommendations relative to the clinical utilization of innovative treatment techniques
- Enhancing patient care and to improve the quality dental practice
- Ensuring state - of - the - art application of dental surgery through training and accreditation
- Supporting coordinated research efforts to promote further development and application of dental therapy, and to investigate accuracy, effectiveness, and cost - effectiveness in oral diagnosis

Undergraduate Programs

Offered Degrees

The Faculty of Dentistry offers the Bachelor Degree in Dental Surgery (B.D.S.):

Program Description

The undergraduate program is structured to provide the dental student with comprehensive didactic dental education, as well as, extensive clinical and laboratory training in all dental specialties and related Medical sciences. The Bachelor Degree requirements consist of a total of 180 credit hours taken as follows:

- General Courses - 64 Cr.
- Pre - Clinical Courses - 35 Cr.
- Clinical Courses - 65 Cr.
- General University Requirements - 16 Cr. divided into:
 - University Mandatory Courses:7 Cr.
 - University Elective Courses - 9 Cr.

Bachelor of Dental Surgery (180 Cr. Hr.)

Curricula

First Semester			Cr.
ANAT	103	General Anatomy I	3
MICA	111	General Histology	2
CHEM	115	General Chemistry	3
PHYS	115	Physics & Statistics	3
BIOL	119	Zoology	2
BIOL	115	Botany & Genetics	2
		Elective (General) ¹	3
			18
Second Semester			Cr.
ANAT	104	General Anatomy II	3
DSCR	102	Descriptive Dental Anatomy	4
BIOM	102	Dental Biomaterials I	1
PHYL	106	General Physiology	4
BIOC	108	Biochemistry	3
		Elective (General) ¹	3
			18

Third Semester Cr.

PATH	211	General Pathology	4
BIOM	201	Dental Biomaterials II	3
PHRM	215	Pharmacology	4
OPER	201	Pre - Clinical Operative Dentistry I	2
PROS	201	Pre - Clinical Removable Prosthodontics I	2
		Elective (General) ¹	3
			18

Fourth Semester Cr.

OHST	202	Oral Histology	5
MICR	214	Microbiology	2
BIOM	202	Dental Biomaterials III	3
OPER	202	Pre - Clinical Operative Dentistry II	2
PROS	202	Pre - Clinical Removable Prosthodontics II	2
PROS	204	Pre - Clinical Fixed Prosthodontics I	2
		Elective (General) ¹	2
			18

Fifth Semester			Cr.
PROS	301	Pre - Clinical Removable Prosthodontics III	2
OPER	301	Pre - Clinical Operative Dentistry III	2
PROS	303	Pre - Clinical Fixed Prosthodontics II	2
OPTH	301	Oral Pathology	5
INTM	315	General Medicine & Dermatology	3
		Elective (General) ¹	4
			18

Sixth Semester			Cr.
PROS	302	Pre - Clinical Removable Prosthodontics IV	3
OPER	302	Pre - Clinical Operative Dentistry IV	3
PROS	304	Pre - Clinical Fixed Prosthodontics III	3
ENDO	302	Pre - Clinical Endodontics	2
SURG	316	General Surgery, ENT, Ophthalmology & General Anesthesia	4
		Elective (General) ¹	1
			16

Seventh Semester			Cr.
PROS	401	Clinical Removable Prosthodontics I	3
PROS	403	Clinical Fixed Prosthodontics I	2
OPER	401	Clinical Operative Dentistry I	2
ENDO	401	Clinical Endodontics I	2
OSRG	401	Oral & Maxillo - Facial Surgery I	2
PERI	401	Periodontology I	2
PERI	403	Radiology	1
PEDI	401	Pre - Clinical Pediatric & Community Dentistry I	2
ORTD	401	Pre - Clinical Orthodontics I	2
			18

Eighth Semester**Cr.**

PROS	402	Clinical Removable Prosthodontics II	3
PROS	404	Clinical Fixed Prosthodontics II	2
OPER	402	Clinical Operative Dentistry II	3
ENDO	402	Clinical Endodontics II	2
OSRG	402	Oral & Maxillo - Facial surgery II	2
PERI	402	Oral Medicine & Diagnosis	2
PEDI	402	Pre - Clinical Pediatric & Community Dentistry II	2
ORTD	402	Pre - Clinical Orthodontics II	2
			18

Ninth Semester**Cr.**

PROS	501	Clinical Removable Prosthodontics III	2
PROS	503	Clinical Fixed Prosthodontics III	2
OPER	501	Clinical Operative Dentistry III	2
ENDO	501	Clinical Endodontics III	2
OSRG	501	Oral & Maxillo - Facial Surgery III	3
PERI	501	Periodontology II	3
PEDI	501	Clinical Pediatric & Community Dentistry I	3
ORTD	501	Clinical Orthodontics I	2
			19

Tenth Semester			Cr.
PROS	502	Clinical Removable Prosthodontics IV	2
PROS	504	Clinical Fixed Prosthodontics IV	2
OPER	502	Clinical Operative Dentistry IV	2
ENDO	502	Clinical Endodontics IV	2
OSRG	502	Oral & Maxillo - Facial Surgery IV	3
PERI	502	Periodontology III	2
PEDI	502	Clinical Pediatric & Community Dentistry II	3
ORTD	502	Clinical Orthodontics II	2
DEFR	502	Dental Ethics & Forensic Dentistry	1
			19

¹ A total of 16 credits is required as General University Requirements: 7 credits are selected from the University Mandatory courses list including: ARAB 001 (2 Cr.), ENGL 001 (2 Cr.), CMPG 001 (2 Cr.), BLAW 001 (1 Cr.), and another 9 credits are selected from the University Elective courses list.

Mandatory Courses

BIOM 102 - Dental Biomaterials I (1 Cr. : 1 Lec : 0 Prac)

Introduction to metals, ceramics, and polymers. Physical properties including thermal and optical properties, solubility and disintegration, corrosion, and wear. Mechanical properties: Stress - strain relations, stress - strain curve and related items. Tensile properties of brittle materials, Transverse, impact, and tear strength. Surface hardness and the types of hardness tests. Time dependent mechanical properties. Structure of perfect solid. Polymers and polymerization. Introduction to ceramic materials.

BIOM 201 - Dental Biomaterials II (3 Cr. : 2 Lec : 2 Prac)

Impression materials, gypsum products, models and die materials, dental waxes, investing and casting procedure, restorative casting alloys, base metal alloys for removable prosthodontics, stainless steel alloys, metal joining in dentistry. Prereq.: BIOM 102.

BIOM 202 - Dental Biomaterials III (3 Cr. : 2 Lec : 2 Prac)

Dental cements, dental amalgams, denture base polymers, denture lining materials, direct esthetic restorative materials, dental ceramics, teaching and learning methods. Prereq.: BIOM 102.

DEFR 502 - Dental Ethics & Forensic Dentistry (1 Cr. : 1 Lec : 0 Prac)

I - Dental Ethics: A short history of medicine before the Arabs and Islamic ages, history of the Lebanese legislations related to dentistry, law of dentistry, dentistry in the Lebanese universities, statistics, union of the Arab dental organizations.

II - Forensic Dentistry: Identification: Dental, mandible, maxilla, skull, mass disaster, sex, race, occupation, habits, genetic markers, dental record, post mortum, bite marks, oral trauma, soft tissue trauma, bone injuries, medical ethics, malpractice.

DSCR 102 - Descriptive Dental Anatomy (4 Cr. : 2 Lec : 6 Prac)

The permanent maxillary molars, the permanent mandibular molars, the pulp cavities of the permanent teeth, deciduous teeth, a geometric concept of crown outlines, physiologic form of tooth and periodontium, occlusion of permanent teeth.

ENDO 302 - Pre - Clinical Endodontics (2 Cr. : 1 Lec : 3 Prac)

Introduction to endodontics, internal tooth anatomy, pulpal and canal configuration, biomechanical preparation of the root canal, step back and crown - down techniques. Prereq.: DSCR 102.

ENDO 401 - Clinical Endodontics I (2 Cr. : 1 Lec : 5 Clinical)

Isolation, root canal obturation, pulp and periradicular pathosis, endodontic emergencies (non - traumatic), endodontic microbiology, pharmacological aspects in endodontics. Prereq.: ENDO 302.

ENDO 402 - Clinical Endodontics II (2 Cr. : 1 Lec : 5 Prac)

Traumatic injuries, vital pulp therapy, management of the open apex, bleaching of discoloured teeth. Prereq.: ENDO 401.

ENDO 501 - Clinical Endodontics III (2 Cr. : 1 Lec : 5 Clinical)

Endodontic / Periodontal interrelationship, restoration of endodontically treated teeth, nickel titanium rotary instruments, root resorption. Prereq.: ENDO 402.

ENDO 502 - Clinical Endodontics IV (2 Cr. : 1 Lec : 6 Prac)

Surgical endodontics, geriatric endodontics, procedural accidents, retreatment of failure. Prereq.: ENDO 501.

OHST 202 - Oral Histology (5 Cr. : 4 Lec : 4 Prac)

Development and growth of the teeth, enamel, dentin, cementum, periodontal ligament, embryology, maxilla and mandible, oral mucosa, salivary glands, bone and alveolar process, eruption and shedding, temporo - mandibular joint, maxillary sinus & lymph drainage, wound healing repair & regeneration, physiologic tooth forms protecting the periodontium.

OPER 201 - Pre - Clinical Operative Dentistry I (2 Cr. : 1 Lec : 2 Prac)

Objectives of operative dentistry, dental caries. Black's classification. Principles of cavity preparation: Outline form, resistance form, retention form, convenience form, removal of decay, finishing of enamel margin and cavity toilet: Prereq.: DSCR 102.

OPER 202 - Pre - Clinical Operative Dentistry II (2 Cr. : 1 Lec : 2 Prac)

Cavity preparation for amalgam, instruments and instrumentation: Hand cutting and rotary cutting instruments, condensing instruments, instruments used for isolation, finishing and polishing instruments, miscellaneous instruments, instrument sharpening and sterilization. Prereq.: DSCR 102.

OPER 301 - Pre - Clinical Operative Dentistry III (2 Cr. : 1 Lec : 3 Prac)

Class III, Class IV and Class V cavity preparation for composite resin, composite restorations: Characteristics, indications and manipulation. Amalgam restorations: Types, properties and technique of restorations. Prereq.: OPER 202.

OPER 302 - Pre - Clinical Operative Dentistry IV (3 Cr. : 2 Lec : 3 Prac)

Pulp protection, dental matrices, glass ionomer restoration, cavity preparation for cast gold restorations, fabrication techniques of cast gold restorations, pin - retained amalgam restoration, cohesive gold, separation of teeth. Prereq.: OPER 301.

OPER 401 - Clinical Operative Dentistry I (2 Cr. : 1 Lec : 5 Clinical)

Dental chair and operating positions, patient assessment, examination, diagnosis and treatment planning, infection control, control of moisture in the field of operation, biological considerations during tooth cutting, pain control, bur design and factors affecting cutting efficiency of burs. Prereq.: OPER 302.

OPER 402 - Clinical Operative Dentistry II (3 Cr. : 2 Lec : 5 Prac)

Biological considerations of restorative materials, direct anterior esthetic restorations: Different clinical application. Amalgam restorations: Clinical behavior, mercury hazards. Bonded amalgam restorations, direct posterior composite restorations. Prereq.: OPER 401.

OPER 501 - Clinical Operative Dentistry III (2 Cr. : 1 Lec : 5 Clinical)

Selection of appropriate restorative materials, factors affecting their selection, microleakage of restorations, compomer restorations, ceramic inlays, dentine adhesives, failure of amalgam restorations. Prereq.: OPER 402.

OPER 502 - Clinical Operative Dentistry IV (2 Cr. : 1 Lec : 5 Prac)

Attrition, abrasion and erosion. Failure of composite resin restorations, composite inlays, laminate veneers, treatment of vital discolored teeth, deep - carious lesions, operative dentistry and periodontium. Prereq.: OPER 501.

OPHT 301 - Oral Pathology (5 Cr. : 4 Lec : 2 Prac)

Dental caries, pulp diseases, periapical lesions, osteomyelitis, cysts of oral and paraoral region, bone diseases, odontogenic tumours, developmental disturbances of teeth, white and precancerous lesions, non - odontogenic tumours, tumour - like lesions; Salivary gland diseases, attrition, abrasion and erosion, developmental anomalies of oral tissues, salivary gland tumours, viral, bacterial and mycotic lesions, metabolic and endocrinal disturbances, oral manifestations of AIDS, pigmentation of oral mucosa.

ORTD 401 - Pre - Clinical Orthodontics I (2 Cr. : 1 Lec : 2 Prac)

A brief review of the embryology of the stomato - gnathic system, craniofacial growth and development, theories of craniofacial growth mechanism, bone chemistry and physiology, intra - membranous and enchondrial ossification, different phases of growth and timing of orthodontic treatment, the etiology of craniofacial anomalies, normal versus abnormal occlusion, different treatment modalities, biomechanical principles of tooth movement, preventive and interceptive orthodontics. Prereq.: DSCR 102.

ORTD 402 - Pre - Clinical Orthodontics II (2 Cr. : 1 Lec : 2 Prac)

Diagnostic procedures, clinical examination, diagnostic AIDS in orthodontics, study cast analysis, radiographic examination, intra oral and extra oral radiography, cephalometrics, treatment objectives and planning, construction of removable orthodontic appliance, orthodontic materials and equipments, wire bending exercise, welding and soldering of wires and bands. Prereq.: ORTD 401.

ORTD 501 - Clinical Orthodontics I (2 Cr. : 1 Lec : 2 Clinical)

Patient management problems in orthodontics, orthodontic techniques and appliances, bonding and banding in orthodontics, anchorage in orthodontics, arch space problems, crowding of teeth, the question of extraction in orthodontics. Interrelationship between periodontics and orthodontics. Prereq.: ORTD 402.

ORTD 502 - Clinical Orthodontics II (2 Cr. : 1 Lec : 2 Clinical)

Orthodontic management of cleft lip and palate patients, TMJ dysfunction syndrome and orthodontics, early versus

adult orthodontics, combined ortho - surgical treatment of severe skeletal deformities, possible complications of orthodontic therapy, the sequelae of untreated malocclusion, orthodontic management of impacted teeth. Prereq.: ORTD 501.

OSRG 401 - Oral & Maxillo - Facial Surgery I (2 Cr. : 1 Lec : 2 Clinical)

Basic principles to oral surgery, anatomical consideration, local anaesthesia, extraction of teeth. Prereq.: SURG 316.

OSRG 402 - Oral & Maxillo - Facial Surgery II (2 Cr. : 1 Lec : 2 Prac)

The use of elevators in the extraction of teeth, impacted teeth, maxillary sinus involvement and its dental implications, management of medically compromised patient in oral surgery. Prereq.: OSRG 401.

OSRG 501 - Oral & Maxillo - Facial Surgery III (3 Cr. : 2 Lec : 3 Clinical)

Dentofacial infection, microbiology of odontogenic infection, acute infections, spread of infection to facial spaces, deep infections of the face and neck, treatment of oro - facial infections, antibiotics therapy, osteomyelitis, cysts of the jaws, preprosthetic surgery, sulcus - deepening procedures and techniques. Prereq.: OSRG 402.

OSRG 502 - Oral & Maxillo - Facial Surgery IV (3 Cr. : 2 Lec : 3 Prac)

Re - implantation & transplantation of teeth, principles of oral implantology, correction of dentofacial deformities, cleft lip and palate, oro - facial pain and TMJ disorders, affections of the salivary glands, tumours of the oral cavity, maxillo - facial trauma. Prereq.: OSRG 501.

PEDI 401 - Pre - Clinical Pediatric & Community Dentistry I (2 Cr.: 1 Lec : 2 Clinical)

Morphology of primary teeth, occlusion: In primary, mixed dentition, radiology: Types and uses of x - ray, preventive orthodontics, arch length analysis and classification of space maintainers, interceptive orthodontics, problems of mixed dentition, cross bite. Prereq.: DSCR 102.

PEDI 402 - Pre - Clinical Pediatric & Community Dentistry II (2 Cr. : 1 Lec : 2 Prac)

Oral habits, restorative dentistry, stainless steel crown, formocresol pulpotomy for children. Prereq.: PEDI 401.

PEDI 501 - Clinical Pediatric & Community Dentistry I (3 Cr. : 2 Lec : 3 Clinical)

Pediatric dentistry: Oral surgery and local anesthesia in children, pulp therapy in children and young permanent teeth, handicapped children, gingival and periodontal disease in children, community dentistry: Introduction, objectives of the course, epidemiology of periodontal diseases, measuring of periodontal diseases. Fluoride, fissure sealant, Preventive Resin Restorations (PRR), Atraumatic Restorative Technique (ARR), prevention of dental caries, prevention of periodontal diseases, infection control and occupational hazards. Prereq.: PEDI 402.

PEDI 502 - Clinical Pediatric & Community Dentistry II (3 Cr. : 2 Lec : 3 Prac)

Pediatric dentistry, behavior management and conscious sedation, psychological and pharmacological management of children, traumatic injuries to the primary and young permanent teeth, early childhood caries, developmental disturbance, antibiotics, community dentistry, epidemiology, epidemiological studies, measuring of dental caries, biostatistic, research methods, dental health education. Prereq.: PEDI 501.

PERI 401 - Periodontology I (2 Cr. : 1 Lec : 2 Clinical)

Introduction to periodontics, normal periodontium, etiology of periodontal diseases, periodontal microbiology, clinical schedule of periodontology, gingival diseases. Prereq.: DSCR 102.

PERI 402 - Oral Medicine & Diagnosis (2 Cr. : 2 Lec : 1 Prac)

I - Oral Medicine: Oral mucosal diseases: Ulcerative, vesicular, and bullous lesions, red and white lesions of the oral mucosa, pigmentation of the oral tissues, diseases of the tongue, orofacial pain and temporomandibular joint diseases, salivary gland diseases. Systemic diseases: Diseases of the cardiovascular system, diseases of the gastrointestinal tract, renal diseases, hematologic diseases, bleeding and clotting disorders, immunologic diseases, endocrine diseases and dysfunction diabetes, sexually transmitted and blood borne infections.

II - Diagnosis: Diagnostic process, initial interview, patient history, examination techniques, extraoral clinical examination, oral clinical examination, clinical and laboratory aids to diagnosis, diseases of teeth, diseases of lymph nodes, diagnosis and differential diagnosis of oral ulcers, diagnosis and differential diagnosis of red and white lesions, biopsies, cheilitis, tongue changes, orofacial pain. Prereq.: PERI 401.

PERI 403 - Radiology (1 Cr. : 1 Lec : 1 Prac)

Concepts of radiologic imaging: Production of x - rays, properties of x - rays, dental x - ray machine. Dental films. Radiation biology. Radiation protection. Intraoral radiographic techniques: Basic principles, types, procedures, indications, advantages and disadvantages. Extraoral radiographs. Processing of dental radiographs: Manual, automatic. Analysis of unsatisfactory radiographs (errors and artifacts). Normal intraoral radiographic anatomy. Radiographic image interpretation: Radiologic diagnosis of periodontal disease, periapical disease, tooth anomalies, caries.

PERI 501 - Periodontology II (3 Cr. : 2 Lec : 2 Clinical)

Periodontal diseases: Periodontal response to external forces, the periodontal pocket, periodontal abscess, furcation involvement, bone loss and patterns of bone destruction, chronic periodontitis, localized aggressive periodontitis, generalized aggressive periodontitis, periodontitis as a manifestation of systemic disease, necrotizing ulcerative periodontitis, refractory periodontitis, aids and the periodontium. Identifications of the periodontal instruments, principles of periodontal instrumentation, principles of scaling and root planing. Prereq.: PERI 404.

PERI 502 - Periodontology III (2 Cr. : 1 Lec : 2 Prac)

Treatment of periodontal diseases: Prognosis, treatment plan, surgical phase of periodontal therapy, gingival curettage, gingivectomy technique, periodontal flap, osseous surgery, treatment of furcation involvement, periodontal-endodontic interrelationship, mucogingival surgery, chemotherapeutic agents, oral implantology. Clinical periodontal charting, diagnosis, plaque control aids, techniques and programs, principles of periodontal surgery. Prereq.: PERI 501.

PROS 201 - Pre - Clinical Removable Prosthodontics I (2 Cr. : 1 Lec : 2 Prac)

Introduction to prosthodontics, anatomy of the mouth in relation to complete dentures, impression trays, dental casts. Prereq.: DSCR 102.

PROS 202 - Pre - Clinical Removable Prosthodontics II (2 Cr. : 1 Lec : 2 Prac)

Record blocks, mandibular movements, articulators, artificial teeth selection, arrangement of artificial teeth. Prereq.: PROS 201.

PROS 204 - Preclinical Fixed Prosthodontics I (2 Cr. : 1 Lec : 2 Lab)

Introduction and orientation, principles of tooth preparation, full crown preparation, gold inlay and onlay preparations, posterior $\frac{3}{4}$ crown preparation, impressions in fixed prosthodontics, working casts and removable dies. Prereq.: DSCR 102.

PROS 301 - Preclinical Removable Prosthodontics III (2 Cr. : 1 Lec : 3 Prac)

Complete denture, arrangement of posterior teeth, waxing - up complete denture, processing of waxed - up denture, processing errors, posterior palatal seal, relief, repair, retention. Prereq.: PROS 202.

PROS 302 - Pre - Clinical Removable Prosthodontics IV (3 Cr. : 2 Lec : 3 Prac)

Introduction to removable partial denture surveying, removable partial denture components, denture base, occlusal rests, retention, connectors, stress breakers, planning rpd design, construction of metallic frame work, acrylic removable partial dentures. Prereq.: PROS 301.

PROS 303 - Pre - Clinical Fixed Prosthodontics II (2 Cr. : 1 Lec : 3 Lab)

Waxing procedures, pontics, fixed partial denture connectors, basics of occlusion, metal - ceramic crown preparations, dental investments and investing procedures, alloys for cast restorations, casting and finishing procedures for dental alloys. Prereq.: PROS 204.

PROS 304 - Pre - Clinical Fixed Prosthodontics III (3 Cr. : 2 Lec : 3 Prac)

Diagnostic waxing and provisional restorations, waxing technique for metal - ceramic restorations, preparation of metal framework for porcelain application, dental ceramics, technique for porcelain build - up, solders and soldering procedures, restoration of endodontically treated teeth. Prereq.: PROS 303.

PROS 401 - Clinical Removable Prosthodontics I (3 Cr. : 2 Lec : 5 Clinical)

Complete denture: Examination, diagnosis and treatment planning, impression, gagging reflex, maxillo - mandibular relationship, selection of artificial teeth, principles of complete denture occlusion, try - in of trial denture, principles of remounting, selective grinding, denture insertion, patient's instructions, refinement of the denture occlusion, post - insertion denture problems. Prereq.: PROS 302.

PROS 402 - Clinical Removable Prosthodontics II (3 Cr. : 2 Lec : 5 Prac)

Removable partial denture: Diagnosis, mouth preparation, impressions, biological considerations of rpd, partial denture components, principles, philosophies of design, trial fitting of the metal framework, principles of tooth selection, recording maxillo - mandibular relations, denture insertion, patient's instructions. Prereq.: PROS 401.

PROS 403 - Clinical Fixed Prosthodontics I (2 Cr. : 1 Lec : 5 Clinical)

Safety and infection control procedures, diagnosis and treatment planning, tissue management and impression making, advanced occlusion, porcelain laminate veneer restorations, color science, esthetics in fixed prosthodontics. Prereq.: PROS 304.

PROS 404 - Clinical Fixed Prosthodontics II (2 Cr. : 1 Lec : 5 Prac)

Resin - bonded fixed partial denture, all - ceramic crown restorations, management of extensively damaged teeth, try - in procedures, cementation of fixed partial dentures, post cementation care and follow - up. Prereq.: PROS 403.

PROS 501 - Clinical Removable Prosthodontics III (2 Cr. : 1 Lec : 5 Clinical)

Immediate dentures, single complete dentures, overdentures, attachments, speech in prosthodontics, implant prosthodontics, geriatrics, management of residual ridge resorption. Prereq.: PROS 402.

PROS 502 - Clinical Removable Prosthodontics IV (2 Cr. : 1Lec : 5 Prac)

Maxillofacial prosthodontics: Introduction, congenital cleft palate, acquired cleft palate, splints, stents, mandibular resection, radiotherapy, management of TMD. Prereq.: PROS 501.

PROS 503 - Clinical Fixed Prosthodontics III (2 Cr. : 1 Lec : 5 Clinical)

Fixed partial denture designs, advanced occlusion, introduction to implantology, implant - supported fixed partial dentures. Prereq.: PROS 404.

PROS 504 - Clinical Fixed Prosthodontics IV (2 Cr. : 1 Lec : 5 Prac)

Considerations for periodontally involved teeth, preparations for special clinical situations, orthodontic adjuncts to prosthodontics, fixed partial denture repair, methods for bridge removal, failures of fixed partial dentures. Prereq.: PROS 503.

University Requirement Elective Course***PEDI 001 - Oral & Dental Health (2 Cr. : 2 Lec)***

Anatomical features of oral cavity, structure and function of teeth, teeth numbering and distribution, dental caries, periodontal health and oral hygiene measures: Tooth brushing, dental flossing, mouthrinsing, fluoride application, diet control. Effect of smoking on dental health.