

Faculty of Dentistry

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DEPARTMENTS

1. Oral Pathology
2. Oral Biology includes descriptive dental anatomy and oral histology
3. Department of Dental Biomaterials
4. Operative Dentistry
5. Endodontics
6. Prosthodontics includes fixed and removable prosthodontics & occlusion
7. Oral Medicine and Periodontology includes diagnosis and dental radiology
8. Oral and Maxillofacial Surgery
9. Pediatric and Community Dentistry
10. 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 severe 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.

MISSION

The main objective of the Faculty of Dentistry is to provide Lebanon and the Middle East region with highly motivated and knowledgeable dental practitioners, fully aware of the latest dental technology, and the legal implications that pertain to the dental practice.

The Faculty of Dentistry seeks to:

- implement the latest techniques in dental education;
- enlist highly qualified staff who are expert in dental technology;
- encourage our graduates to seek specialized postgraduate degrees and training; and
- produce highly qualified dental graduates able to provide quality dental service and care to society.

VISION

The vision of the Faculty of Dentistry is to be a pioneer in dental education, dental healthcare and research projects by tackling all future challenges through advanced technology and hence offering environmental and community services of high standards.

The Faculty of Dentistry aims to:

- be a leader in dental education and research projects;
- compete with the most reputable international dental institutions;
- provide the most advanced dental health service to patients in the Middle East and Lebanon; and
- utilize the most recent computerized dental technology including instruments, equipments, devices, materials, as well as electronically operated units.

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

Curriculum

(180 Credit Hours)

| First Semester | | | Credit |
|------------------------|-----|--|---------------|
| ANAT | 103 | General Anatomy I | 3 |
| MICA | 111 | General Histology | 2 |
| CHEM | 115 | General Chemistry | 3 |
| PHYS | 115 | Physics and Statistics | 3 |
| BIOL | 119 | Zoology | 2 |
| BIOL | 115 | Botany and Genetics | 2 |
| | | Elective (General) ¹ | 3 |
| | | | --- |
| | | | 18 |
| Second Semester | | | |
| 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 | | | |
| 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 | | | |
| 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 | | | Credit |
|-------------------------|-----|--|---------------|
| 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 and Dermatology | 3 |
| | | Elective (General) ¹ | 4 |
| | | | --- |
| | | | 18 |
| Sixth Semester | | | |
| 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 and General Anesthesia | 4 |
| | | Elective (General) ¹ | 1 |
| | | | --- |
| | | | 16 |
| Seventh Semester | | | |
| 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 and Maxillo-Facial Surgery I | 2 |
| PERI | 401 | Periodontology I | 2 |
| PERI | 403 | Radiology | 1 |
| PEDI | 401 | Pre-Clinical Pediatric and Community Dentistry I | 2 |
| ORTD | 401 | Pre-Clinical Orthodontics I | 2 |
| | | | --- |
| | | | 18 |
| Eighth Semester | | | |
| 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 and Maxillo-Facial surgery II | 2 |
| PERI | 402 | Oral Medicine and Diagnosis | 2 |
| PEDI | 402 | Pre-Clinical Pediatric and Community Dentistry II | 2 |
| ORTD | 402 | Pre-Clinical Orthodontics II | 2 |
| | | | --- |
| | | | 18 |

| Ninth Semester | | | Credit |
|-----------------------|-----|--|---------------|
| 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 and Maxillo-Facial Surgery III | 3 |
| PERI | 501 | Periodontology II | 3 |
| PEDI | 501 | Clinical Pediatric and Community Dentistry I | 3 |
| ORTD | 501 | Clinical Orthodontics I | 2 |
| | | | --- |
| | | | 19 |

| Tenth Semester | | | |
|-----------------------|-----|---|-----|
| 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 and Maxillo-Facial Surgery IV | 3 |
| PERI | 502 | Periodontology III | 2 |
| PEDI | 502 | Clinical Pediatric and Community Dentistry II | 3 |
| ORTD | 502 | Clinical Orthodontics II | 2 |
| DEFR | 502 | Dental Ethics and 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 (2Cr.), LAWS 001 (1 Cr.), and another 9 credits are selected from the University Elective courses list.

ELECTIVE COURSES

University Requirement Elective Course

PEDI 001 Oral and Dental Health (2 Cr.).

POSTGRADUATE PROGRAMS OFFERED DEGREES

DIPLOMAS

The Faculty of Dentistry offers Diplomas in the following specialties:

1. Fixed Prosthodontics
2. Removable Prosthodontics
3. Oral Surgery
4. Pediatric Dentistry
5. Periodontology
6. Restorative Dentistry
7. Endodontics
8. Fixed and Removable Prosthodontics
9. Orthodontics
10. Dental Implantology

MASTER DEGREES

The Faculty of Dentistry offers Master Degree (M.Sc.D.) in the following specialties:

1. Fixed Prosthodontics
2. Removable Prosthodontics
3. Oral Surgery
4. Pediatric Dentistry
5. Periodontology
6. Restorative Dentistry
7. Endodontics
8. Fixed and Removable Prosthodontics
9. Orthodontics
10. Community Dentistry
11. Dental Biomaterials
12. Oral Biology
13. Advanced Oral Pathology

PhD DEGREES

The Faculty of Dentistry offers the Doctorate degree in the following fields:

- A. Doctor of Science in Dentistry (D.Sc.D) in one of the following clinical fields:
 1. Fixed/Removable Prosthodontics
 2. Orthodontics
 3. Oral Surgery
 4. Pediatric Dentistry
 5. Periodontology
 6. Restorative Dentistry
 7. Endodontics
- B. Doctor of Philosophy (PhD) in one of the following Fundamental Sciences:
 1. Advanced Oral Pathology
 2. Oral Biology
 3. Dental Biomaterials
 4. Community Dentistry

PROGRAM DESCRIPTION

DIPLOMAS

The Diploma requirements for all specializations, except for Fixed/Removable Prosthodontics, Orthodontics and Dental Implantology, consist of 40 Credit hours taken as follows:

- Mandatory Courses: 34 Cr.
- Departmental Elective Courses: 6 Cr.

The Diploma requirements for Fixed/Removable Prosthodontics and Orthodontics consist of 60 Credit hours taken as follows:

- Mandatory Courses: 50 Cr.
- Departmental Elective Courses: 10 Cr.

The Diploma of Dental Implantology usually follows successful completion of a Diploma in either Oral Surgery or Periodontology and its requirements consist of 60 credit hours taken as follows:

- Mandatory Courses: 54 Cr.
- Departmental Elective Courses: 6 Cr.

The standard duration of study to obtain a Diploma is four semesters in all specialties, except for:

- Fixed/Removable Prosthodontics & Orthodontics which requires six semesters; and
- Dental Implantology which requires 2 semesters in addition to 4 semesters in either Periodontology or Oral Surgery.

MASTER OF SCIENCE IN DENTISTRY DEGREE

The Master of Science in Dentistry Degree requirements for all specializations, except for Fixed/Removable Prosthodontics and Orthodontics, consist of 46 Credit hours taken as follows:

- Mandatory Courses: 34 Cr.
- Departmental Elective Courses: 6 Cr.
- Thesis: 6 Cr.

However, the Master of Science in Dentistry Degree requirements for Fixed/Removable Prosthodontics and Orthodontics consist of 66 Credit hours taken as follows:

- Mandatory Courses: 50 Cr.
- Departmental Elective Courses: 10 Cr.
- Thesis: 6 Cr.

The standard duration of study to obtain the Master of Science in Dentistry Degree is four semesters in all specialties except for Fixed/Removable Prosthodontics and Orthodontics which require six semesters.

PhD and D.Sc.D DEGREES

The PhD and D.Sc.D Degrees requirement for all specializations consists of 50 Credit hours taken as follows:

- Scientific Seminar Courses: 12 Cr.
- Advanced Clinical Training: 16 Cr.
- Departmental Elective Courses: 12 Cr.
- Thesis: 10 Cr.

The standard duration of study to obtain the PhD and D.Sc.D Degrees is six semesters minimum.

DIPLOMA IN FIXED PROSTHODONTICS

Curriculum

(40 Credit Hours)

| First semester | | | Credit |
|------------------------|-----|--|---------------|
| ANAT | 651 | General Anatomy & Embryology | 1 |
| PHYL | 651 | Advanced General Physiology | 1 |
| ORBL | 601 | Oral Biology | 2 |
| OPTH | 603 | Advanced Oral Pathology | 2 |
| MICR | 651 | Microbiology, Immunology & Molecular Biology | 1 |
| PROS | 601 | Fixed Prosthodontics I | 3 |
| | | | --- |
| | | | 10 |
| Second semester | | | |
| PROS | 602 | Fixed Prosthodontics II | 6 |
| BIOM | 602 | Basic Biomaterials Science | 1 |
| COMD | 602 | Biostatistics & Research Methodology | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Third semester | | | |
| PROS | 605 | Fixed Prosthodontics III | 6 |
| BIOM | 607 | Advanced Biomaterials III | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fourth semester | | | |
| PROS | 606 | Fixed Prosthodontics IV | 6 |
| PROS | 692 | Seminars in Fixed Prosthodontics | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |

¹ Selected from the following Departmental Elective Courses:

PHRM 651 Applied Pharmacology (1 Cr.), PROS 651 Advanced Maxillofacial Prosthodontics (1 Cr.), PROS 652 Prosthodontic Rehabilitation for Compromised Teeth and Pediatrics (1 Cr.), PROS 653 Geriatric Dentistry (1 Cr.), PROS 654 Esthetics in Prosthodontics (2 Cr.), PROS 655 T.M.J. Disorders (2 Cr.), PROS 656 Attachments in Prosthodontics (2 Cr.), PROS 657 Treatment Planning and Diagnostic Aids for Prosthodontics (2 Cr.), PROS 658 Advanced Technology in Prosthodontics (2 Cr.), PROS 659 Implant-Supported Prosthodontics (2 Cr.), PROS 660 Occlusion in Prosthodontics (2 Cr.), PROS 661 Uses of Laser in Fixed Prosthodontics (2 Cr.).

DIPLOMA IN REMOVABLE PROSTHODONTICS

Curriculum

(40 Credit Hours)

| First semester | Credit |
|---|---------------|
| ANAT 651 General Anatomy & Embryology | 1 |
| PHYL 651 Advanced General Physiology | 1 |
| ORBL 601 Oral Biology | 2 |
| OPTH 603 Advanced Oral Pathology | 2 |
| MICR 651 Microbiology, Immunology & Molecular Biology | 1 |
| PROS 603 Removable Prosthodontics I | 3 |
| | --- |
| | 10 |
| Second semester | |
| PROS 604 Removable Prosthodontics II | 6 |
| BIOM 602 Basic Biomaterials Science | 1 |
| COMD 602 Biostatistics & Research Methodology | 1 |
| Elective ¹ | 2 |
| | --- |
| | 10 |
| Third semester | |
| PROS 607 Removable Prosthodontics III | 6 |
| BIOM 609 Advanced Biomaterials IV | 2 |
| Elective ¹ | 2 |
| | --- |
| | 10 |
| Fourth semester | |
| PROS 608 Removable Prosthodontics IV | 6 |
| PROS 694 Seminars in Removable Prosthodontics | 2 |
| Elective ¹ | 2 |
| | --- |
| | 10 |

¹ Selected from the following Departmental Elective Courses:

PHRM 651 Applied Pharmacology (1 Cr.), PROS 651 Advanced Maxillofacial Prosthodontics (1 Cr.), PROS 652 Prosthodontic Rehabilitation for Compromised Teeth and Pediatrics (1 Cr.), PROS 653 Geriatric Dentistry (1 Cr.), PROS 654 Esthetics in Prosthodontics (2 Cr.), PROS 655 T.M.J. Disorders (2 Cr.), PROS 656 Attachments in Prosthodontics (2 Cr.), PROS 657 Treatment Planning and Diagnostic Aids for Prosthodontics (2 Cr.), PROS 658 Advanced Technology in Prosthodontics (2 Cr.), PROS 659 Implant-Supported Prosthodontics (2 Cr.), PROS 660 Occlusion in Prosthodontics (2 Cr.), PROS 661 Uses of Laser in Fixed Prosthodontics (2 Cr.).

DIPLOMA IN ORAL SURGERY

Curriculum

(40 Credit Hours)

| First semester | Credit |
|---|---------------|
| ANAT 651 General Anatomy & Embryology | 1 |
| PHYL 651 Advanced General Physiology | 1 |
| ORBL 601 Oral Biology | 2 |
| OPTH 603 Advanced Oral Pathology | 2 |
| MICR 651 Microbiology, Immunology & Molecular Biology | 1 |
| OSGR 601 Oral Surgery I | 3 |
| | --- |
| | 10 |
| Second semester | |
| OSGR 602 Oral Surgery II | 6 |
| OSGR 694 Seminars in Oral Surgery I | 1 |
| COMD 602 Biostatistics & Research Methodology | 1 |
| Elective ¹ | 2 |
| | --- |
| | 10 |
| Third semester | |
| OSGR 603 Oral Surgery III | 6 |
| OSGR 695 Seminars in Oral Surgery II | 2 |
| Elective ¹ | 2 |
| | --- |
| | 10 |
| Fourth semester | |
| OSGR 604 Oral Surgery IV | 6 |
| OSGR 696 Seminars in Oral Surgery III | 2 |
| Elective ¹ | 2 |
| | --- |
| | 10 |

¹ Selected from the following Departmental Elective Courses:

PHRM 651-Applied Pharmacology (1 Cr.), OSRG 651 General Anaesthesia (1 Cr.), OSRG 652 Management of Handicapped Patients in Oral and Maxillofacial Surgery (1 Cr.), OSRG 653 Soft Tissue Management in Oral and Maxillofacial Surgery (1 Cr.), OSRG 654 Hard Tissue Management in Oral and Maxillofacial Surgery (1 Cr.), OSRG 655 Lasers in Oral Surgery (1 Cr.), OSRG 656 Piezo Surgery (1 Cr.), OSRG 657 Maxillary Sinus Involvement in Oral Surgery (2 Cr.), OSRG 658 Advanced Local Anesthesia and Oral Surgery for Geriatrics (2 Cr.), OSRG 659 Orthognathic Surgery (2 Cr.), OSRG 660 Malignancy of the Orofacial Region (2 Cr.), OSRG 661 Pain: Diagnosis and Management (2 Cr.), OSRG 662 Diagnosis and Treatment of Hazards Associated with Oral and Maxillofacial Surgery (2 Cr.).

DIPLOMA IN PEDIATRIC DENTISTRY

Curriculum

(40 Credit Hours)

| First semester | | | Credit |
|------------------------|-----|--|---------------|
| ANAT | 651 | General Anatomy & Embryology | 1 |
| PHYL | 651 | Advanced General Physiology | 1 |
| ORBL | 601 | Oral Biology | 2 |
| OPHT | 603 | Advanced Oral Pathology | 2 |
| MICR | 651 | Microbiology, Immunology & Molecular Biology | 1 |
| PEDI | 601 | Pediatric Dentistry I | 3 |
| | | | --- |
| | | | 10 |
| Second semester | | | |
| PEDI | 602 | Pediatric Dentistry II | 5 |
| PEDT | 602 | General Pediatric | 1 |
| BIOM | 602 | Basic Biomaterials Science | 1 |
| COMD | 602 | Biostatistics & Research Methodology | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Third semester | | | |
| PEDI | 603 | Pediatric Dentistry III | 6 |
| COMD | 603 | Community Dentistry | 1 |
| BIOM | 611 | Advanced Biomaterials V | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fourth semester | | | |
| PEDI | 604 | Pediatric Dentistry IV | 6 |
| PEDI | 696 | Seminars in Pediatric Dentistry | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |

¹ Selected from the following Departmental Elective Courses:

PHRM 651 Applied Pharmacology (1 Cr.), PEDI 651 Nutrition and Oral Health of Children (1 Cr.), PEDI 652 Systemic Diseases and Oral Health of Children (2 Cr.), PEDI 653 Minor Oral Surgery for Children (2 Cr.), PEDI 654 Survey Methodology (1 Cr.), PEDI 655 Testing of Biomaterials (2 Cr.), PEDI 656 Child Psychology (2 Cr.), PEDI 657 Pediatric Journal Club and State of Art (2 Cr.), PEDI 658 Planning Preventive Programs in School for Children (2 Cr.), PEDI 659 New Trends in Oral Radiology for Child (1 Cr.), PEDI 660 Oral Mucosal Lesions for Child (2 Cr.), PEDI 661 Uses of Ozone in Pediatric Dentistry (1 Cr.).

DIPLOMA IN PERIODONTOLOGY

Curriculum

(40 Credit Hours)

| First semester | | | Credit |
|------------------------|-----|--|---------------|
| ANAT | 651 | General Anatomy & Embryology | 1 |
| PHYL | 651 | Advanced General Physiology | 1 |
| ORBL | 601 | Oral Biology | 2 |
| OPTH | 603 | Advanced Oral Pathology | 2 |
| MICR | 651 | Microbiology, Immunology & Molecular Biology | 1 |
| PERI | 601 | Periodontology I | 3 |
| | | | --- |
| | | | 10 |
| Second semester | | | |
| PERI | 602 | Advanced Periodontology II | 5 |
| PERI | 604 | Oral Medicine and Diagnosis I | 1 |
| INTM | 652 | Advanced General Medicine & Dermatology | 1 |
| COMD | 602 | Biostatistics & Research Methodology | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Third semester | | | |
| PERI | 603 | Advanced Periodontology III | 6 |
| PERI | 695 | Seminars in Periodontology I | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fourth semester | | | |
| PERI | 606 | Advanced Periodontology IV | 6 |
| PERI | 696 | Seminars in Periodontology II | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |

¹ Selected from the following Departmental Elective Courses:

PHRM 651 Applied Pharmacology (1 Cr.), PERI 651 Adjunctive Therapies Relevant to the Maintenance of Periodontal Health (1 Cr.), PERI 652 Esthetics in Dentistry (1 Cr.), PERI 653 Recent Advances in Periodontal Surgery (Laser and Ozone Application) (1 Cr.), PERI 654 Systemic Risk Factors in Oral Diseases (1 Cr.), PERI 655 Advances in Dental Implant Material and Tissue Regeneration (1 Cr.), PERI 656 Immunology and Oral Diseases (1 Cr.), PERI 657 Oral Microbiology (1 Cr.), PERI 658 Role of Genetics in Assessment, Risk & Management of Periodontal Disease (1 Cr.), PERI 659 Recent Technology in Dental Radiography (1 Cr.).

DIPLOMA IN RESTORATIVE DENTISTRY

Curriculum

(40 Credit Hours)

| First semester | | | Credit |
|------------------------|-----|--|---------------|
| ANAT | 651 | General Anatomy & Embryology | 1 |
| PHYL | 651 | Advanced General Physiology | 1 |
| ORBL | 601 | Oral Biology | 2 |
| OPTH | 603 | Advanced Oral Pathology | 2 |
| MICR | 651 | Microbiology, Immunology & Molecular Biology | 1 |
| OPER | 601 | Restorative Dentistry I | 3 |
| | | | --- |
| | | | 10 |
| Second semester | | | |
| OPER | 602 | Restorative Dentistry II | 6 |
| BIOM | 602 | Basic Biomaterials Science | 1 |
| COMD | 602 | Biostatistics & Research Methodology | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Third semester | | | |
| OPER | 603 | Restorative Dentistry III | 6 |
| BIOM | 603 | Advanced Biomaterials I | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fourth semester | | | |
| OPER | 604 | Restorative Dentistry IV | 6 |
| OPER | 696 | Seminars in Restorative Dentistry | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |

¹ Selected from the following Departmental Elective Courses:

PHRM 651 Applied Pharmacology (1 Cr.), REST 651 Infection Control (1 Cr.), REST 652 Micro Leakage and Methods of Testing (2 Cr.), REST 653 Corrosion of Amalgam (1 Cr.), REST 654 The Role of SEM Study in Research of Restorative Dentistry (1 Cr.), REST 655 Pain in Operative Dentistry (1 Cr.), REST 656 Periodontics/Restorative Dentistry Interrelationship (2 Cr.), REST 657 Occlusion in Operative Dentistry (2 Cr.), REST 658 Laser in Operative Dentistry (1 Cr.), REST 659 Restoration of Badly Destroyed Teeth (1 Cr.), REST 660 Pulp Response to Restorative Procedures (2 Cr.), REST 661 Physical and Mechanical Properties of Restorative Materials (2 Cr.), REST 662-Direct and Indirect Gold Restorations (2 Cr.), REST 663 Direct Complex Restorations (2 Cr.), REST 664 Dental caries: Incidence, Caries Diagnosis and Preventive Measures (2 Cr.), REST 665 Restoration of Endodontically Treated Teeth (2 Cr.), REST 666 Clinical Application of Composite Resin in Anterior Teeth (2 Cr.), REST 667 Glass Ionomer Cement Restorations (2 Cr.), REST 668 Adhesion in Operative Dentistry (2 Cr.), REST 669 Aesthetics in Restorative Dentistry (2 Cr.), REST 670 Management of Worn Dentition (2 Cr.), REST 671 New Trends in Aesthetic Inlay/Onlay Restorations.

DIPLOMA IN ENDODONTICS

Curriculum

(40 Credit Hours)

| First semester | | | Credit |
|------------------------|-----|--|---------------|
| ANAT | 651 | General Anatomy & Embryology | 1 |
| PHYL | 651 | Advanced General Physiology | 1 |
| ORBL | 601 | Oral Biology | 2 |
| OPTH | 603 | Advanced Oral Pathology | 2 |
| MICR | 651 | Microbiology, Immunology & Molecular Biology | 1 |
| ENDO | 601 | Endodontics I | 3 |
| | | | --- |
| | | | 10 |
| Second semester | | | |
| ENDO | 602 | Endodontics II | 6 |
| BIOM | 602 | Basic Biomaterials Science | 1 |
| COMD | 602 | Biostatistics & Research Methodology | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Third semester | | | |
| ENDO | 603 | Endodontics III | 6 |
| BIOM | 605 | Advanced Biomaterials II | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fourth semester | | | |
| ENDO | 604 | Endodontics IV | 6 |
| ENDO | 696 | Seminars in Endodontics | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |

¹ Selected from the following Departmental Elective Courses:

PHRM 651 Applied Pharmacology (1 Cr.), ENDO 651 Uses of Laser in Endodontics (2 Cr.), ENDO 652 The Use of Endodontic Microscope in Non-Surgical and Surgical Endodontics (2 Cr.), ENDO 653 The Role of Sonics & Ultrasonics in Endodontics (2 Cr.), ENDO 654 Non Surgical Concept Versus Surgical Concept in Management of Teeth with Periapical Pathology (2 Cr.), ENDO 655 Pain Control in Root Canal Treatment (1 Cr.), ENDO 656 Endodontic Pharmacology (2 Cr.), ENDO 657 Electronic Apex Locators and their Use in Endodontic Treatment (2 Cr.), ENDO 658 Endodontic Radiography; the Illusion and the Reality (2 Cr.), ENDO 659 Differential Diagnosis of Oro-Facial Pain (1 Cr.).

DIPLOMA IN FIXED/REMOVABLE PROSTHODONTICS

Curriculum

(60 Credit Hours)

| First semester | | | Credit |
|------------------------|-----|--|---------------|
| ANAT | 651 | General Anatomy & Embryology | 1 |
| PHYL | 651 | Advanced General Physiology | 1 |
| ORBL | 601 | Oral Biology | 2 |
| OPTH | 603 | Advanced Oral Pathology | 2 |
| MICR | 651 | Microbiology, Immunology & Molecular Biology | 1 |
| PROS | 609 | Fixed Prosthodontics FR I | 2 |
| PROS | 611 | Removable Prosthodontics FR I | 2 |
| | | | --- |
| | | | 11 |
| Second semester | | | |
| PROS | 610 | Fixed Prosthodontics FR II | 3 |
| PROS | 612 | Removable Prosthodontics FR II | 3 |
| BIOM | 602 | Basic Biomaterials Science | 1 |
| COMD | 602 | Biostatistics & Research Methodology | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Third semester | | | |
| PROS | 613 | Fixed Prosthodontics FR III | 3 |
| PROS | 615 | Removable Prosthodontics FR III | 3 |
| BIOM | 613 | Advanced Biomaterials VI | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 9 |
| Fourth semester | | | |
| PROS | 614 | Fixed Prosthodontics FR IV | 4 |
| PROS | 616 | Removable Prosthodontics FR IV | 4 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fifth semester | | | |
| PROS | 617 | Fixed Prosthodontics FR V | 3 |
| PROS | 619 | Removable Prosthodontics FR V | 3 |
| PROS | 695 | Seminars in Fixed Prosthodontics FR I | 1 |
| PROS | 697 | Seminars in Removable Prosthodontics FR I | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |

| Sixth semester | | | Credit |
|-----------------------|-----|--|---------------|
| PROS | 618 | Fixed Prosthodontics FR VI | 3 |
| PROS | 620 | Removable Prosthodontics FR VI | 3 |
| PROS | 696 | Seminars in Fixed Prosthodontics FR II | 1 |
| PROS | 698 | Seminars in Removable Prosthodontics FR II | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |

¹ Selected from the following Departmental Elective Courses:

PHRM 651 Applied Pharmacology (1 Cr.), PROS 651 Advanced Maxillofacial Prosthodontics (1 Cr.), PROS 652 Prosthodontic Rehabilitation for Compromised Teeth and Pediatrics.(1 Cr.), PROS 653 Geriatric Dentistry (1 Cr.), PROS 654 Esthetics in Prosthodontics (2 Cr.), PROS 655 T.M.J. Disorders (2 Cr.), PROS 656 Attachments in Prosthodontics (2 Cr.), PROS 657 Treatment Planning and Diagnostic Aids for Prosthodontics (2 Cr.), PROS 658 Advanced Technology in Prosthodontics (2 Cr.), PROS 659 Implant-Supported Prosthodontics (2 Cr.), PROS 660 Occlusion in Prosthodontics (2 Cr.), PROS 661 Uses of Laser in Fixed Prosthodontics 1(2 Cr.).

DIPLOMA IN ORTHODONTICS

Curriculum

(60 Credit Hours)

| First semester | | | Credit |
|------------------------|-----|--|---------------|
| ANAT | 651 | General Anatomy & Embryology | 1 |
| PHYL | 651 | Advanced General Physiology | 1 |
| ORBL | 601 | Oral Biology | 2 |
| OPTH | 603 | Advanced Oral Pathology | 2 |
| MICR | 651 | Microbiology, Immunology & Molecular Biology | 1 |
| ORTD | 601 | Pre-Clinical Orthodontics | 3 |
| | | | --- |
| | | | 10 |
| Second semester | | | |
| ORTD | 602 | Craniofacial Growth I | 4 |
| ORTD | 604 | Occlusion I | 2 |
| BIOM | 602 | Basic Biomaterials Science | 1 |
| COMD | 602 | Biostatistics & Research Methodology | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Third semester | | | |
| ORTD | 603 | Occlusion II | 2 |
| ORTD | 605 | Craniofacial Growth II | 2 |
| ORTD | 607 | Clinical Orthodontics I | 4 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fourth semester | | | |
| ORTD | 606 | Clinical Orthodontics II | 4 |
| ORTD | 608 | Cephalometrics | 4 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fifth semester | | | |
| ORTD | 609 | Clinical Orthodontics III | 6 |
| ORTD | 695 | Seminars in Orthodontics I | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |

| Sixth semester | | | Credit |
|-----------------------|-----|-----------------------------------|---------------|
| ORTD | 610 | Advanced Clinical Orthodontics IV | 6 |
| ORTD | 696 | Seminars in Orthodontics II | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |

¹ Selected from the following Departmental Elective Courses:

PHRM 651 Applied Pharmacology (1 Cr.), ORTD 651 The Management of Peg-Shaped and Congenital Missing Lateral Incisors (1 Cr.), ORTD 652 Wires Metallurgy (1 Cr.), ORTD 653 Dental Arch form Age Changes (1 Cr.), ORTD 654 Tissue Reaction to Tooth Movement (Cytokines) (1 Cr.), ORTD 655 Infection Control in Orthodontics (1 Cr.), ORTD 656 Child Dental Health Care and Orthodontics (1 Cr.), ORTD 657 Information Technology in Orthodontics (1 Cr.), ORTD 658 Craniofacial Anomalies (Syndromes) (1 Cr.), ORTD 659 Craniofacial Genetic Disorders in Humans (1 Cr.), ORTD 660 Cephalometrics (2 Cr.), ORTD 661 Advanced Occlusion (2 Cr.), ORTD 662 Interdisciplinary Management of Cleft Lip & Palate (2 Cr.), ORTD 663 Stomatognathic System (Craniofacial Muscles, TMJ and Occlusion) (2 Cr.), ORTD 664 Diagnostic Radiology and MRI in Orthodontics (2 Cr.), ORTD 665 Plastic Surgery (Chin, Lips and Nose) and Orthodontics (2 Cr.), ORTD 666 Orthodontic/Periodontics Inter-Relationship (2 Cr.), ORTD 667 Surgical Exposure of Impacted Teeth for Orthodontic Traction Purposes (2 Cr.), ORTD 668 Bone Physiology and Calcium Metabolism (2 Cr.).

DIPLOMA IN DENTAL IMPLANTOLOGY

Curriculum

(60 Credit Hours)

(After completion of a Diploma in either Oral Surgery or Periodontology)

| | |
|--|-------|
| Diploma of Oral Surgery or Periodontology | 40 |
| | ----- |
| | 40 |

| Fifth Semester | | | Credit |
|-----------------------|-----|--------------------------------------|---------------|
| IMPE | 601 | Periodontology & Implantology I | 2 |
| IMOS | 601 | Oral Surgery & Implantology I | 4 |
| IMPR | 601 | Prosthodontics & Implantology I | 2 |
| BIOM | 615 | Dental Biomaterials for Implantology | 1 |
| IMPL | 695 | Seminars in Dental Implantology | 1 |
| | | | --- |
| | | | 10 |

| Sixth Semester | | | Credit |
|-----------------------|-----|----------------------------------|---------------|
| IMPE | 602 | Periodontology & Implantology II | 2 |
| IMOS | 602 | Oral Surgery & Implantology II | 4 |
| IMPR | 602 | Prosthodontics & Implantology II | 2 |
| IMPL | 696 | Seminars in Dental Implantology | 2 |
| | | | --- |
| | | | 10 |

**MASTER OF SCIENCE IN DENTISTRY IN
FIXED PROSTHODONTICS
Curriculum
(46 Credit Hours)**

| First semester | | | Credit |
|------------------------|-----|--|---------------|
| ANAT | 651 | General Anatomy & Embryology | 1 |
| PHYL | 651 | Advanced General Physiology | 1 |
| ORBL | 601 | Oral Biology | 2 |
| OPHT | 603 | Advanced Oral Pathology | 2 |
| MICR | 651 | Microbiology, Immunology & Molecular Biology | 1 |
| PROS | 601 | Fixed Prosthodontics I | 3 |
| | | | --- |
| | | | 10 |
| Second semester | | | |
| PROS | 602 | Fixed Prosthodontics II | 6 |
| BIOM | 602 | Basic Biomaterials Science | 1 |
| COMD | 602 | Biostatistics & Research Methodology | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Third semester | | | |
| PROS | 605 | Fixed Prosthodontics III | 6 |
| BIOM | 607 | Advanced Biomaterials III | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fourth semester | | | |
| PROS | 606 | Fixed Prosthodontics IV | 6 |
| PROS | 692 | Seminars in Fixed Prosthodontics | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| DENT | 799 | Thesis | 6 |
| | | | --- |
| | | | 6 |

¹ Selected from the following Departmental Elective Courses:

PHRM 651 Applied Pharmacology (1 Cr.), PROS 651 Advanced Maxillofacial Prosthodontics (1 Cr.), PROS 652 Prosthodontic Rehabilitation for Compromised Teeth and Pediatrics.(1 Cr.), PROS 653 Geriatric Dentistry (1 Cr.), PROS 654 Esthetics in Prosthodontics.(2 Cr.), PROS 655 T.M.J .Disorders (2 Cr.), PROS 656 Attachments in Prosthodontics (2 Cr.), PROS 657 Treatment Planning and Diagnostic Aids for Prosthodontics (2 Cr.), PROS 658 Advanced Technology in Prosthodontics (2 Cr.), PROS 659 Implant-Supported Prosthodontics (2 Cr.), PROS 660 Occlusion in Prosthodontics (2 Cr.), PROS 661 Uses of Laser in Fixed Prosthodontics (2 Cr.).

MASTER OF SCIENCE IN DENTISTRY IN REMOVABLE PROSTHODONTICS

Curriculum (46 Credit Hours)

| First semester | | | Credit |
|------------------------|-----|--|---------------|
| ANAT | 651 | General Anatomy & Embryology | 1 |
| PHYL | 651 | Advanced General Physiology | 1 |
| ORBL | 601 | Oral Biology | 2 |
| OPHT | 603 | Advanced Oral Pathology | 2 |
| MICR | 651 | Microbiology, Immunology & Molecular Biology | 1 |
| PROS | 603 | Removable Prosthodontics I | 3 |
| | | | --- |
| | | | 10 |
| Second semester | | | |
| PROS | 604 | Removable Prosthodontics II | 6 |
| BIOM | 602 | Basic Biomaterials Science | 1 |
| COMD | 602 | Biostatistics & Research Methodology | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Third semester | | | |
| PROS | 607 | Removable Prosthodontics III | 6 |
| BIOM | 609 | Advanced Biomaterials IV | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fourth semester | | | |
| PROS | 608 | Removable Prosthodontics IV | 6 |
| PROS | 694 | Seminars in Removable Prosthodontics | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| DENT | 799 | Thesis | 6 |
| | | | --- |
| | | | 6 |

¹ Selected from the following Departmental Elective Courses:

PHRM 651 Applied Pharmacology (1 Cr.), PROS 651 Advanced Maxillofacial Prosthodontics (1 Cr.), PROS 652 Prosthodontic Rehabilitation for Compromised Teeth and Pediatrics(1 Cr.), PROS 653 Geriatric Dentistry (1 Cr.), PROS 654 Esthetics in Prosthodontics (2 Cr.), PROS 655 T.M.J. Disorders (2 Cr.), PROS 656 Attachments in Prosthodontics (2 Cr.), PROS 657 Treatment Planning and Diagnostic Aids for Prosthodontics (2 Cr.), PROS 658 Advanced Technology in Prosthodontics (2 Cr.), PROS 659 Implant-Supported Prosthodontics(2 Cr.), PROS 660 Occlusion in Prosthodontics(2 Cr.), PROS 661 Uses of Laser in Fixed Prosthodontics (2 Cr.).

MASTER OF SCIENCE IN DENTISTRY IN ORAL SURGERY

Curriculum

(46 Credit Hours)

| First semester | | | Credit |
|------------------------|-----|--|---------------|
| ANAT | 651 | General Anatomy & Embryology | 1 |
| PHYL | 651 | Advanced General Physiology | 1 |
| ORBL | 601 | Oral Biology | 2 |
| OPTH | 603 | Advanced Oral Pathology | 2 |
| MICR | 651 | Microbiology, Immunology & Molecular Biology | 1 |
| OSGR | 601 | Oral Surgery I | 3 |
| | | | --- |
| | | | 10 |
| Second semester | | | |
| OSGR | 602 | Oral Surgery II | 6 |
| OSGR | 694 | Seminars in Oral Surgery I | 1 |
| COMD | 602 | Biostatistics & Research Methodology | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Third semester | | | |
| OSGR | 603 | Oral Surgery III | 6 |
| OSGR | 695 | Seminars in Oral Surgery II | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fourth semester | | | |
| OSGR | 604 | Oral Surgery IV | 6 |
| OSGR | 696 | Seminars in Oral Surgery III | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| DENT | 799 | Thesis | 6 |
| | | | --- |
| | | | 6 |

¹ Selected from the following Departmental Elective Courses:

PHRM 651-Applied Pharmacology (1 Cr.), OSRG 651 General Anaesthesia (1 Cr.), OSRG 652 Management of Handicapped Patients in Oral and Maxillofacial Surgery (1 Cr.), OSRG 653 Soft Tissue Management in Oral and Maxillofacial Surgery (1 Cr.), OSRG 654 Hard Tissue Management in Oral and Maxillofacial Surgery (1 Cr.), OSRG 655 Lasers in Oral Surgery (1 Cr.), OSRG 656 Piezo Surgery (1 Cr.), OSRG 657 Maxillary Sinus Involvement in Oral Surgery (2 Cr.), OSRG 658 Advanced Local Anesthesia and Oral Surgery for Geriatrics (2 Cr.), OSRG 659 Orthognathic Surgery (2 Cr.), OSRG 660 Malignancy of the Orofacial Region (2 Cr.), OSRG 661 Pain: Diagnosis and Management (2 Cr.), OSRG 662 Diagnosis and Treatment of Hazards associated with Oral and Maxillofacial Surgery (2 Cr.).

MASTER OF SCIENCE IN DENTISTRY IN PEDIATRIC DENTISTRY Curriculum (46 Credit Hours)

| First semester | | | Credit |
|------------------------|-----|--|---------------|
| ANAT | 651 | General Anatomy & Embryology | 1 |
| PHYL | 651 | Advanced General Physiology | 1 |
| ORBL | 601 | Oral Biology | 2 |
| OPTH | 603 | Advanced Oral Pathology | 2 |
| MICR | 651 | Microbiology, Immunology & Molecular Biology | 1 |
| PEDI | 601 | Pediatric Dentistry I | 3 |
| | | | --- |
| | | | 10 |
| Second semester | | | |
| PEDI | 602 | Pediatric Dentistry II | 5 |
| PEDT | 602 | General Pediatric | 1 |
| BIOM | 602 | Basic Biomaterials Science | 1 |
| COMD | 602 | Biostatistics & Research Methodology | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Third semester | | | |
| PEDI | 603 | Pediatric Dentistry III | 6 |
| COMD | 603 | Community Dentistry | 1 |
| BIOM | 611 | Advanced Biomaterials V | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fourth semester | | | |
| PEDI | 604 | Pediatric Dentistry IV | 6 |
| PEDI | 696 | Seminars in Pediatric Dentistry | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| DENT | 799 | Thesis | 6 |
| | | | --- |
| | | | 6 |

¹ Selected from the following Departmental Elective Courses:

PHRM 651 Applied Pharmacology (1 Cr.), PEDI 651 Nutrition and Oral Health of Children (1 Cr.), PEDI 652 Systemic Diseases and Oral Health of Children (2 Cr.), PEDI 653 Minor Oral Surgery for Children (2 Cr.), PEDI 654 Survey Methodology (1 Cr.), PEDI 655 Testing of Biomaterials (2 Cr.), PEDI 656 Child Psychology (2 Cr.), PEDI 657 Pediatric Journal Club and State of Art (2 Cr.), PEDI 658 Planning Preventive Programs in School for Children (2 Cr.), PEDI 659 New Trends in Oral Radiology for Child (1 Cr.), PEDI 660 Oral Mucosal Lesions for Child (2 Cr.), PEDI 661 Uses of Ozone in Pediatric Dentistry (1 Cr.).

MASTER OF SCIENCE IN DENTISTRY IN PERIODONTOLOGY

Curriculum

(46 Credit Hours)

| First semester | | | Credit |
|------------------------|-----|--|---------------|
| ANAT | 651 | General Anatomy & Embryology | 1 |
| PHYL | 651 | Advanced General Physiology | 1 |
| ORBL | 601 | Oral Biology | 2 |
| OPTH | 603 | Advanced Oral Pathology | 2 |
| MICR | 651 | Microbiology, Immunology & Molecular Biology | 1 |
| PERI | 601 | Periodontology I | 3 |
| | | | --- |
| | | | 10 |
| Second semester | | | |
| PERI | 602 | Advanced Periodontology II | 5 |
| PERI | 604 | Oral Medicine and Diagnosis I | 1 |
| INTM | 652 | Advanced General Medicine & Dermatology | 1 |
| COMD | 602 | Biostatistics & Research Methodology | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Third semester | | | |
| PERI | 603 | Advanced Periodontology III | 6 |
| PERI | 695 | Seminars in Periodontology I | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fourth semester | | | |
| PERI | 606 | Advanced Periodontology IV | 6 |
| PERI | 696 | Seminars in Periodontology II | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| DENT | 799 | Thesis | 6 |
| | | | --- |
| | | | 6 |

¹ Selected from the following Departmental Elective Courses:

PHRM 651 Applied Pharmacology (1 Cr.), PERI 651 Adjunctive Therapies Relevant to the Maintenance of Periodontal Health (1 Cr.), PERI 652 Esthetics in Dentistry (1 Cr.), PERI 653 Recent Advances in Periodontal Surgery (Laser and Ozone Application) (1 Cr.), PERI 654 Systemic Risk Factors in Oral Diseases (1 Cr.), PERI 655 Advances in Dental Implant Material and Tissue Regeneration (1 Cr.), PERI 656 Immunology and Oral Diseases (1 Cr.), PERI 657 Oral Microbiology (1 Cr.), PERI 658 Role of Genetics in Assessment, Risk & Management of Periodontal Disease(1 Cr.), PERI 659 Recent Technology in Dental Radiography (1 Cr.).

MASTER OF SCIENCE IN DENTISTRY IN RESTORATIVE DENTISTRY Curriculum (46 Credit Hours)

| First semester | | | Credit |
|------------------------|-----|--|---------------|
| ANAT | 651 | General Anatomy & Embryology | 1 |
| PHYL | 651 | Advanced General Physiology | 1 |
| ORBL | 601 | Oral Biology | 2 |
| OPTH | 603 | Advanced Oral Pathology | 2 |
| MICR | 651 | Microbiology, Immunology & Molecular Biology | 1 |
| OPER | 601 | Restorative Dentistry I | 3 |
| | | | --- |
| | | | 10 |
| Second semester | | | |
| OPER | 602 | Restorative Dentistry II | 6 |
| BIOM | 602 | Basic Biomaterials Science | 1 |
| COMD | 602 | Biostatistics & Research Methodology | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Third semester | | | |
| OPER | 603 | Restorative Dentistry III | 6 |
| BIOM | 603 | Advanced Biomaterials I | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fourth semester | | | |
| OPER | 604 | Restorative Dentistry IV | 6 |
| OPER | 696 | Seminars in Restorative Dentistry | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| DENT | 799 | Thesis | 6 |
| | | | --- |
| | | | 6 |

¹ Selected from the following Departmental Elective Courses:

PHRM 651 Applied Pharmacology (1 Cr.), REST 651 Infection Control (1 Cr.), REST 652 Micro-leakage and Methods of Testing (2 Cr.), REST 653 Corrosion of Amalgam (1 Cr.), REST 654 The Role of SEM Study in Research of Restorative Dentistry (1 Cr.), REST 655 Pain in Operative Dentistry (1 Cr.), REST 656 Periodontics/Restorative Dentistry Interrelationship (2 Cr.), REST 657 Occlusion in Operative Dentistry (2 Cr.), REST 658 Laser in Operative Dentistry (1 Cr.), REST 659 Restoration of Badly Destroyed Teeth (1 Cr.), REST 660 Pulp Response to Restorative Procedures (2 Cr.), REST 661 Physical and Mechanical Properties of Restorative Materials (2 Cr.), REST 662 Direct and Indirect Gold Restorations (2 Cr.), REST 663 Direct Complex Restorations (2 Cr.), REST 664 Dental caries: Incidence, Caries Diagnosis and Preventive Measures (2 Cr.), RES 665 Restoration of Endodontically Treated Teeth (2 Cr.), REST 666 Clinical Application of Composite Resin in Anterior Teeth (2 Cr.), REST 667 Glass Ionomer Cement Restorations (2 Cr.), REST 668 Adhesion in Operative Dentistry (2 Cr.), REST 669 Aesthetics in Restorative Dentistry (2 Cr.), REST 670 Management of Worn Dentition (2 Cr.), REST 671 New Trends in Aesthetic Inlay/Onlay Restorations.

MASTER OF SCIENCE IN DENTISTRY IN ENDODONTICS

Curriculum

(46 Credit Hours)

| First semester | Credit |
|---|---------------|
| ANAT 651 General Anatomy & Embryology | 1 |
| PHYL 651 Advanced General Physiology | 1 |
| ORBL 601 Oral Biology | 2 |
| OPTH 603 Advanced Oral Pathology | 2 |
| MICR 651 Microbiology, Immunology & Molecular Biology | 1 |
| ENDO 601 Endodontics I | 3 |
| | --- |
| | 10 |
| Second semester | |
| ENDO 602 Endodontics II | 6 |
| BIOM 602 Basic Biomaterials Science | 1 |
| COMD 602 Biostatistics & Research Methodology | 1 |
| Elective ¹ | 2 |
| | --- |
| | 10 |
| Third semester | |
| ENDO 603 Endodontics III | 6 |
| BIOM 605 Advanced Biomaterials II | 2 |
| Elective ¹ | 2 |
| | --- |
| | 10 |
| Fourth semester | |
| ENDO 604 Endodontics IV | 6 |
| ENDO 696 Seminars in Endodontics | 2 |
| Elective ¹ | 2 |
| | --- |
| | 10 |
| DENT 799 Thesis | 6 |
| | --- |
| | 6 |

¹ Selected from the following Departmental Elective Courses:

PHRM 651 Applied Pharmacology (1 Cr.), ENDO 651 Uses of Laser in Endodontics (2 Cr.), ENDO 652 The Use of Endodontic Microscope in Non-Surgical and Surgical Endodontics (2 Cr.), ENDO 653 The Role of Sonics & Ultrasonics in Endodontics (2 Cr.), ENDO 654 Non Surgical Concept Versus Surgical Concept in Management of Teeth with Periapical Pathology (2 Cr.), ENDO 655 Pain Control in Root Canal Treatment (1 Cr.), ENDO 656 Endodontic Pharmacology (2 Cr.), ENDO 657 Electronic Apex Locators and their Use in Endodontic Treatment (2 Cr.), ENDO 658 Endodontic Radiography; the Illusion and the Reality (2 Cr.), ENDO 659 Differential Diagnosis of Oro-Facial Pain (1 Cr.).

MASTER OF SCIENCE IN DENTISTRY IN FIXED/REMOVABLE PROSTHODONTICS

Curriculum (66 Credit Hours)

| First semester | | | Credit |
|------------------------|-----|--|---------------|
| ANAT | 651 | General Anatomy & Embryology | 1 |
| PHYL | 651 | Advanced General Physiology | 1 |
| ORBL | 601 | Oral Biology | 2 |
| OPTH | 603 | Advanced Oral Pathology | 2 |
| MICR | 651 | Microbiology, Immunology & Molecular Biology | 1 |
| PROS | 609 | Fixed Prosthodontics FR I | 2 |
| PROS | 611 | Removable Prosthodontics FR I | 2 |
| | | | --- |
| | | | 11 |
| Second semester | | | |
| PROS | 610 | Fixed Prosthodontics FR II | 3 |
| PROS | 612 | Removable Prosthodontics FR II | 3 |
| BIOM | 602 | Basic Biomaterials Science | 1 |
| COMD | 602 | Biostatistics & Research Methodology | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Third semester | | | |
| PROS | 613 | Fixed Prosthodontics FR III | 3 |
| PROS | 615 | Removable Prosthodontics FR III | 3 |
| BIOM | 613 | Advanced Biomaterials VI | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 9 |
| Fourth semester | | | |
| PROS | 614 | Fixed Prosthodontics FR IV | 4 |
| PROS | 616 | Removable Prosthodontics FR IV | 4 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fifth semester | | | |
| PROS | 617 | Fixed Prosthodontics FR V | 3 |
| PROS | 619 | Removable Prosthodontics FR V | 3 |
| PROS | 695 | Seminars in Fixed Prosthodontics FR I | 1 |
| PROS | 697 | Seminars in Removable Prosthodontics FR I | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |

| Sixth semester | | | Credit |
|-----------------------|-----|--|---------------|
| PROS | 618 | Fixed Prosthodontics FR VI | 3 |
| PROS | 620 | Removable Prosthodontics FR VI | 3 |
| PROS | 696 | Seminars in Fixed Prosthodontics FR II | 1 |
| PROS | 698 | Seminars in Removable Prosthodontics FR II | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| | | | |
| DENT | 799 | Thesis | 6 |
| | | | --- |
| | | | 6 |

¹ Selected from the following Departmental Elective Courses:

PHRM 651 Applied Pharmacology (1 Cr.), PROS 651 Advanced Maxillofacial Prosthodontics (1 Cr.), PROS 652 Prosthodontic Rehabilitation for Compromised Teeth and Pediatrics (1 Cr.), PROS 653 Geriatric Dentistry (1 Cr.), PROS 654 Esthetics in Prosthodontics (2 Cr.), PROS 655 T.M.J. Disorders (2 Cr.), PROS 656 Attachments in Prosthodontics (2 Cr.), PROS 657 Treatment Planning and Diagnostic Aids for Prosthodontics (2 Cr.), PROS 658 Advanced Technology in Prosthodontics (2 Cr.), PROS 659 Implant-Supported Prosthodontics (2 Cr.), PROS 660 Occlusion in Prosthodontics (2 Cr.), PROS 661 Uses of Laser in Fixed Prosthodontics 1 (2 Cr.).

MASTER OF SCIENCE IN DENTISTRY IN ORTHODONTICS

Curriculum

(66 Credit Hours)

| First semester | | | Credit |
|------------------------|-----|--|---------------|
| ANAT | 651 | General Anatomy & Embryology | 1 |
| PHYL | 651 | Advanced General Physiology | 1 |
| ORBL | 601 | Oral Biology | 2 |
| OPTH | 603 | Advanced Oral Pathology | 2 |
| MICR | 651 | Microbiology, Immunology & Molecular Biology | 1 |
| ORTD | 601 | Pre-Clinical Orthodontics | 3 |
| | | | --- |
| | | | 10 |
| Second semester | | | |
| ORTD | 602 | Craniofacial Growth I | 4 |
| ORTD | 604 | Occlusion I | 2 |
| BIOM | 602 | Basic Biomaterials Science | 1 |
| COMD | 602 | Biostatistics & Research Methodology | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Third semester | | | |
| ORTD | 603 | Occlusion II | 2 |
| ORTD | 605 | Craniofacial Growth II | 2 |
| ORTD | 607 | Advanced Clinical Orthodontics I | 4 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fourth semester | | | |
| ORTD | 606 | Advanced Clinical Orthodontics II | 4 |
| ORTD | 608 | Cephalometrics | 4 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fifth semester | | | |
| ORTD | 609 | Advanced Clinical Orthodontics III | 6 |
| ORTD | 695 | Seminars in Orthodontics I | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |

| Sixth semester | | | Credit |
|-----------------------|-----|-----------------------------------|---------------|
| ORTD | 610 | Advanced Clinical Orthodontics IV | 6 |
| ORTD | 696 | Seminars in Orthodontics II | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| | | | |
| DENT | 799 | Thesis | 6 |
| | | | --- |
| | | | 6 |

¹ Selected from the following Departmental Elective Courses:

ORTD 651 The Management of Peg-Shaped and Congenital Missing Lateral Incisors (1 Cr.), ORTD 652 Wires Metallurgy (1 Cr.), ORTD 653 Dental Arch form Age Changes (1 Cr.), ORTD 654 Tissue Reaction to Tooth Movement (Cytokines)(1 Cr.), ORTD 655 Infection Control in Orthodontics (1 Cr.), ORTD 656 Child Dental Health Care and Orthodontics (1 Cr.), ORTD 657 Information Technology in Orthodontics (1 Cr.), ORTD 658 Craniofacial Anomalies (Syndromes) (1 Cr.), ORTD 659 Craniofacial Genetic Disorders in Humans (1 Cr.), ORTD 660 Cephalometrics (2 Cr.), ORTD 661Advanced Occlusion (2 Cr.), ORTD 662 Interdisciplinary Management of Cleft Lip & Palate (2 Cr.), ORTD 663 Stomatognathic System(Craniofacial Muscles, TMJ and Occlusion) (2 Cr.), ORTD 664 Diagnostic Radiology and MRI in Orthodontics (2 Cr.), ORTD 665 Plastic Surgery(Chin, Lips and Nose) and Orthodontics (2 Cr.), ORTD 666 Orthodontic/Periodontics Inter-Relationship (2 Cr.), ORTD 667 Surgical Exposure of Impacted Teeth for Orthodontic Traction Purposes (2 Cr.), ORTD 668 Bone Physiology and Calcium Metabolism (2 Cr.).

MASTER OF SCIENCE IN DENTISTRY IN COMMUNITY DENTISTRY Curriculum (46 Credit Hours)

| First semester | | | Credit |
|------------------------|-----|--|---------------|
| ANAT | 651 | General Anatomy & Embryology | 1 |
| PHYL | 651 | Advanced General Physiology | 1 |
| ORBL | 601 | Oral Biology | 2 |
| OPTH | 603 | Advanced Oral Pathology | 2 |
| MICR | 651 | Microbiology, Immunology & Molecular Biology | 1 |
| COMD | 601 | Advanced Community Dentistry | 3 |
| | | | --- |
| | | | 10 |
| Second semester | | | |
| COMD | 702 | Epidemiology I | 2 |
| COMD | 704 | Preventive Dentistry I | 3 |
| COMD | 706 | Dental Health Education I | 2 |
| COMD | 602 | Biostatistics & Research Methodology | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Third semester | | | |
| COMD | 705 | Epidemiology II | 2 |
| COMD | 707 | Preventive Dentistry II | 2 |
| COMD | 709 | Dental Health Education II | 2 |
| COMD | 711 | Biostatistics | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fourth semester | | | |
| COMD | 710 | Preventive Dentistry III | 2 |
| COMD | 712 | Dental Health Education III | 2 |
| COMD | 714 | Research Methodology | 1 |
| COMD | 796 | Seminars in Community Dentistry | 2 |
| | | Elective ¹ | 3 |
| | | | --- |
| | | | 10 |
| DENT | 799 | Thesis | 6 |
| | | | --- |
| | | | 6 |

¹ Selected from the following Departmental Elective Courses:

PHRM 651 Applied Pharmacology (1 Cr.), COMD 751 Nutrition and Oral Health (2 Cr.), COMD 752 Occupational Hazards & Amalgam Safety (2 Cr.), COMD 753 Atraumatic Restorative Treatment (2 Cr.), COMD 754 Diagnosis of Dental Caries (2 Cr.), COMD 755 Systemic Diseases & Oral Health (2 Cr.), COMD 756 Bacteriology of Oral Diseases(2 Cr.), COMD 757 Economic of Health (2 Cr.).

MASTER OF SCIENCE IN DENTISTRY IN DENTAL BIOMATERIALS

Curriculum

(46 Credit Hours)

| First semester | | | Credit |
|------------------------|-----|--|---------------|
| ANAT | 651 | General Anatomy & Embryology | 1 |
| PHYL | 651 | Advanced General Physiology | 1 |
| ORBL | 601 | Oral Biology | 2 |
| OPTH | 603 | Advanced Oral Pathology | 2 |
| MICR | 651 | Microbiology, Immunology & Molecular Biology | 1 |
| MATH | 101 | Calculus and Analytical Geometry I | 3 |
| | | | --- |
| | | | 10 |
| Second semester | | | |
| BIOM | 702 | Principles of Materials Science | 2 |
| BIOM | 712 | Physical Metallurgy | 1 |
| CHEM | 702 | Chemistry | 2 |
| PHYS | 702 | Physics | 2 |
| COMD | 602 | Biostatistics & Research Methodology | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Third semester | | | |
| BIOM | 703 | Metallurgy | 1 |
| BIOM | 705 | Polymers | 1 |
| BIOM | 707 | Ceramics | 2 |
| BIOM | 709 | Applied Dental Materials I | 4 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fourth semester | | | |
| BIOM | 704 | Applied Dental Materials II | 4 |
| BIOM | 706 | Bio-Mechanics | 2 |
| BIOM | 708 | Phase Diagram | 1 |
| BIOM | 710 | Corrosion | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| DENT | 799 | Thesis | 6 |
| | | | --- |
| | | | 6 |

¹ Selected from the following Departmental Elective Courses:

PHRM 651 Applied Pharmacology (1 Cr.), REST 651 Infection Control (1 Cr.), REST 652 Micro-leakage and Methods of Testing (2 Cr.), REST 653 Corrosion of Amalgam (1 Cr.), REST 654 The Role of SEM Study in Research of Restorative Dentistry (1 Cr.), REST 655 Pain in Operative Dentistry (1 Cr.), REST 656 Periodontics/Restorative Dentistry Interrelationship (2 Cr.), REST 657 Occlusion in Operative Dentistry (2 Cr.), REST 658 Laser in Operative Dentistry (1 Cr.), REST 659 Restoration of Badly Destroyed Teeth (1 Cr.), REST 660 Pulp Response to Restorative Procedures (2 Cr.), REST 661 Physical and Mechanical Properties of Restorative Materials (2 Cr.), REST 662 Direct and Indirect Gold Restorations (2 Cr.), REST 663 Direct Complex Restorations (2 Cr.), REST 664 Dental caries: Incidence, Caries Diagnosis and Preventive Measures (2 Cr.), RES 665 Restoration of Endodontically Treated Teeth (2 Cr.), REST 666 Clinical Application of Composite Resin in Anterior Teeth (2 Cr.), REST 667 Glass Ionomer Cement Restorations (2 Cr.), REST 668 Adhesion in Operative Dentistry (2 Cr.), REST 669 Aesthetics in Restorative Dentistry (2 Cr.), REST 670 Management of Worn Dentition (2 Cr.), REST 671 New Trends in Aesthetic Inlay/Onlay Restorations.

MASTER OF SCIENCE IN DENTISTRY IN ORAL BIOLOGY

Curriculum

(46 Credit Hours)

| First semester | | | Credit |
|------------------------|-----|--|---------------|
| ANAT | 651 | General Anatomy & Embryology | 1 |
| PHYL | 651 | Advanced General Physiology | 1 |
| OPTH | 603 | Advanced Oral Pathology | 2 |
| MICR | 651 | Microbiology, Immunology & Molecular Biology | 1 |
| ORBL | 701 | Oral Biology I | 3 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Second semester | | | |
| ORBL | 702 | Oral Biology II | 3 |
| MICA | 706 | General Histology I | 2 |
| MORP | 702 | Tooth Morphology I | 2 |
| COMD | 602 | Biostatistics & Research Methodology | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Third semester | | | |
| ORBL | 703 | Oral Biology III | 4 |
| MICA | 707 | General Histology II | 2 |
| MORP | 703 | Tooth Morphology II | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fourth semester | | | |
| ORBL | 704 | Oral Biology IV | 4 |
| MICR | 752 | Immunology | 2 |
| MICR | 754 | Molecular Biology | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| DENT | 799 | Thesis | 6 |
| | | | --- |
| | | | 6 |

¹ Selected from Departmental Elective Courses (2 Cr. Each):

ORBL 651 Tissues Renewal and Repair, ORBL 752 Extracellular Matrix (ECM) and Cell-Matrix Interactions, ORBL 753 General Features of the Immune System, ORBL 754 Principles of Bone Biology, ORBL 755 Integration of Basic Science of Oral Mucosa into the Clinical Practice of Patient Care, ORBL 756 Oral Somatosensory Systems, ORBL 757 Tissue Engineering.

MASTER OF SCIENCE IN DENTISTRY IN ORAL PATHOLOGY

Curriculum

(46 Credit Hours)

| First semester | | | Credit |
|------------------------|-----|--|---------------|
| ANAT | 651 | General Anatomy & Embryology | 1 |
| PHYL | 651 | Advanced General Physiology | 1 |
| ORBL | 601 | Oral Biology | 2 |
| MICR | 651 | Microbiology, Immunology & Molecular Biology | 1 |
| OPTH | 701 | Advanced Oral Pathology I | 3 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Second semester | | | |
| OPTH | 702 | Advanced Oral Pathology II | 2 |
| PATH | 752 | General Pathology I | 2 |
| MICA | 706 | General Histology I | 2 |
| ORBL | 706 | Genetics I | 1 |
| COMD | 602 | Biostatistics & Research Methodology | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Third semester | | | |
| OPTH | 703 | Advanced Oral Pathology III | 3 |
| PATH | 753 | Advanced General Pathology II | 2 |
| MICA | 707 | General Histology II | 2 |
| ORBL | 707 | Genetics II | 1 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| Fourth semester | | | |
| OPTH | 704 | Advanced Oral Pathology IV | 4 |
| MICR | 752 | Immunology | 2 |
| MICR | 754 | Molecular Biology | 2 |
| | | Elective ¹ | 2 |
| | | | --- |
| | | | 10 |
| DENT | 799 | Thesis | 6 |
| | | | --- |
| | | | 6 |

¹ Selected from Departmental Elective Courses (2 Cr. Each):

OPTH 651 Age Changes in Oral and Paraoral Tissues, OPTH 752 Advanced Immunology, OPTH 753 Recent Pathological Advances in Wound Healing, OPTH 754 Molecular Pathology, OPTH 755 Peri-Implant Tissue Reactions.

DOCTOR OF SCIENCE IN DENTISTRY (D.Sc.D) IN :

Fixed Prosthodontics, Removable Prosthodontics, Oral Surgery, Pediatric Dentistry, Periodontics, Restorative Dentistry, Endodontics, Fixed / Removable Prosthodontics, Orthodontics.

DOCTOR OF PHILOSOPHY (PhD):

Dental Biomaterials, Oral Pathology, Oral Biology, & Community Dentistry.

**Curriculum
(50 Credits Hours)**

| Courses | Credit |
|-------------------------------------|---------------|
| Elective(Departmental) ¹ | 12 |
| Scientific Seminars Courses | 12 |
| | ---- |
| | 24 |
| Clinical Training | |
| Advanced Clinical Training | 16 |
| | --- |
| | 16 |
| DENT 899 Thesis | 10 |
| | --- |
| | 10 |

¹ Specialized Elective Courses are selected according to the field of specialization.

ELECTIVE COURSES

Restorative Dentistry & Dental Biomaterials (2 Cr. Each)

REST 851 Micro-Leakage in Dentistry, REST 852 Surface Study of Restorative Materials, REST 853 Restorative Dentistry and the Periodontium, REST 854 Advanced in Occlusion Science, REST 855 Laser in Dentistry, REST 856 Recent Methods for the Management of Badly Decayed Teeth, REST 857 Biocompatibility of Restorative Materials, REST 858 ADA Specifications for Restorative Materials, REST 859 Advancement in Cardiology, REST 860 Surface Phenomena and Adhesion, REST 861 Color Science in Dentistry, REST 862 Recent Advances in Tooth Colored Restoratives.

Endodontics (2 Cr. Each)

ENDO 851 Historical Perspectives & Current Developments in Sterilization of the Root Canal, ENDO 852 The History & Recent Developments in Root Canal Obturation Techniques, ENDO 853 Pain Control, ENDO 854 Concepts & Techniques in Restoring Endodontically Treated Teeth.

Fixed, Removable And Fixed/Removable Prosthodontics (2 Cr. Each)

PROS 851 New Trends in Maxillofacial Prosthodontics, PROS 852 Prosthodontic Management for Handicapped Patients, PROS 853 Geriatric Considerations in Prosthetic Dentistry, PROS 854 New Trends in all Ceramic Restorations, PROS 855 Surgical and Prosthetic Management of Tempro-Mandibular Dysfunction Syndrome, PROS 856 Precision and Non-Precision Attachments, PROS 857 Art & Science of Diagnosis and Treatment Planning in Prosthodontics, PROS 858 Evolution in Implant Retained and Supported Prosthesis, PROS 859 Success & Failure in

Fixed Prosthodontics, PROS 860 Full Mouth Rehabilitation, PROS 861 Clinical and Laboratory Procedures in Implant Prosthodontics.

Oral Surgery (2 Cr. Each)

OSRG 851 Medical Management of the Surgical Patient, OSRG 852 Local and Regional Flaps in Maxillofacial Reconstruction, OSRG 853 Bony Reconstruction in Oral and Maxillofacial Surgery, OSRG 854 Current Trends in Lasers in Oral Surgery, OSRG 855 Distraction Osteogenesis, OSRG Maxillary & Mandibular Orthognathic Surgery, OSRG 857 Diagnosis and Management of Orofacial Tumors, OSRG 858 Orofacial Pain and Temporo-Mandibular Disorders.

Periodontology (1 Cr. Each)

PERI 851 Recent Advances in Cosmetic Periodontal Surgery, PERI 852 Tissue Engineering Impact on Dentistry, PERI 853 Periodontal Medicine, PERI 854 Recent Advances in Implantology, PERI 855 Advanced Techniques in Surgical Treatment, PERI 856 Immunology Considerations and Oral Diseases, PERI 857 Recent Advances in Diagnostic Techniques, PERI 858 Advanced Periodontal Reconstruction and Tissue Regeneration.

Pediatric Dentistry

PEDI 851 Nutrition Consideration for the Pediatric Patient (1 Cr.), PEDI 852 Oral and Dental Care of Local and Systemic Diseases (2 Cr.), PEDI 853 Acquired and Developmental Disturbances of the Teeth and Associated Oral Structure (2 Cr.), PEDI 854 Advanced Survey Methodology (1 Cr.), PEDI 855 Dental Materials and Restorative Dentistry (2 Cr.), PEDI 856 Hospital Dental Services for Children and the Use of General Anesthesia (2 Cr.), PEDI 857 Pediatric Journal Club and State of Art (2 Cr.), PEDI 858 Planning and Assessment of Preventive Programs for Children (2 Cr.), PEDI 859 Prosthodontic Treatment of the Adolescent Patient (1 Cr.), PEDI 860 Tumors of the Oral Soft Tissues and Cysts and Tumors of the Bone (2 Cr.), PEDI 861 New Trends in Uses of Laser and Ozone in Pediatric Dentistry (1 Cr.).

Community Dentistry (2 Cr. Each)

COMD 851 Oral Health in Relation to Nutrition and Systemic Diseases, COMD 852 Forensic Dentistry, COMD 853 Preventive of Fit & Fissure Dental Caries, COMD 854 Dentistry and Community, COMD 855 Distribution of Oral Ozone in Prevention of Oral Diseases, COMD 856 Uses of Laser & Ozone in Prevention of Oral Diseases, COMD 857 Financing Dental Care.

Oral Biology (2 Cr. Each):

ORBL 851 Tissues Renewal and Repair, ORBL 852 Extracellular Matrix (ECM) and Cell-Matrix Interactions, ORBL 853 General Features of the Immune System, ORBL 854 Principles of Bone Biology, ORBL 855 Integration of Basic Science of Oral Mucosa into the Clinical Practice of Patient Care, ORBL 856 Oral Somatosensory Systems, ORBL 857 Tissue Engineering.

Oral Pathology (2 Cr. Each)

OPTH 851 Autoimmune Diseases, OPTH 852 Blood Diseases & Tumors, OPTH 853 Genetics of Oral Cancer, OPTH 854 Advanced Diagnostic Methods in Advanced Oral Pathology.

Orthodontics (2 Cr. Each)

ORTD 851 Dental Implant Replacement of Congenital Missing Lateral Incisors, ORTD 852 Esthetic Orthodontic Appliance, ORTD 853 Management of Severe Vertical Dentofacial Deformities, ORTD 854 Modern Theories of Tissue Reaction to Tooth Movement, ORTD 855 Wisdom Teeth and Dental Arch Crowding Cause and Effects, ORTD 856 Early Orthodontic Treatment one Vs. Two-Phase, ORTD 857 Orthodontic Patient Management Problems, ORTD 858 Hereditary Dental Disorders as Etiologic Factors of Malocclusion, ORTD 859 The Genetic Background of Dentofacial Deformities, ORTD 860 3Ds Imaging in Orthodontics, ORTD 861 Malocclusion Severity Assessment, Occlusal Indices, ORTD 862 The Hazards of Aggressive Rapid Palatal Expansion, ORTD 863 Stomatognathic System (Craniofacial Muscles, TMJ and Occlusion), ORTD 864 The Diagnostic Value of MRI in Internal Derangement of TMJ, ORTD 865 Limitations in Surgical Correction of Severe Dentofacial Deformities, ORTD 866 Periodontal Considerations in Adult Orthodontics, ORTD 867 Different Orthodontic Sliding Mechanics, ORTD 868 Mini Screws and Skeletal Anchorage.