

Master Degree in Oral and Maxillofacial Radiology

Department: Oral and Maxillofacial Radiology

Program Aims: This program aims to develop an efficient graduate capable of improving quality of patient care, improving access to oral and maxillofacial radiology services, performing diagnostic imaging used for examining the craniofacial, dental and adjacent structures, in addition to providing interpretive skills in demonstrating abnormalities using all 2D and 3D imaging modalities in the Oral and Maxillofacial Radiology (OMFRAD) field. The graduate will also be able to apply ethical, evidence based and high quality oral and maxillofacial diagnostic services to the referred public, and communicate effectively among the health care community. This program aims to promote and advance the art and science of radiology in dentistry. It also provides continuing education activities through various activities as the annual scientific session (Departmental Scientific Day) and through conducting continuous scientific evidence-based research in the OMFRAD field.

Semester I

| Code | Title | Weeks | Didactic | Practical | Contact | Self Study | Work Load | SWL | Credit Hours | Credit Points |
|---------|--|-------|----------|-----------|---------|------------|-----------|-----|--------------|---------------|
| GMSC101 | Anatomy of the Head & Neck | 15 | 2 | 2 | 4 | 2 | 6 | 90 | 3 | 3 |
| OP101 | Oral Pathology I | 15 | 2 | 2 | 4 | 2 | 6 | 90 | 3 | 3 |
| OMED701 | Clinical Oral Diagnosis for Radiologists | 15 | 2 | 2 | 4 | 2 | 6 | 90 | 3 | 3 |
| ORAD101 | Oral & Maxillofacial Radiology I | 15 | 2 | 4 | 6 | 6 | 12 | 180 | 4 | 6 |

Semester II

| Code | Title | Weeks | Didactic | Practical | Contact | Self Study | Work Load | SWL | Credit Hours | Credit Points |
|---------|-----------------------------------|-------|----------|-----------|---------|------------|-----------|-----|--------------|---------------|
| OP201 | Oral Pathology II | 15 | 2 | 2 | 4 | 2 | 6 | 90 | 3 | 3 |
| ORAD201 | Oral & Maxillofacial Radiology II | 15 | 3 | 6 | 9 | 6 | 15 | 225 | 6 | 8 |

Semester III

| Code | Title | Weeks | Didactic | Practical | Contact | Self Study | Work Load | SWL | Credit Hours | Credit Points |
|---------|------------------------------------|-------|----------|-----------|---------|------------|-----------|-----|--------------|---------------|
| ORAD301 | Case Presentations | 15 | 0 | 6 | 6 | 4 | 10 | 150 | 3 | 5 |
| ORAD302 | Oral & Maxillofacial Radiology III | 15 | 3 | 6 | 9 | 6 | 15 | 225 | 6 | 8 |

Semester IV

| Code | Title | Weeks | Didactic | Practical | Contact | Self Study | Work Load | SWL | Credit Hours | Credit Points |
|---------|-----------------------------------|-------|----------|-----------|---------|------------|-----------|-----|--------------|---------------|
| ORAD401 | Clinical Radiology Rotations I | 15 | 0 | 4 | 4 | 0 | 4 | 60 | 2 | 2 |
| ORAD402 | Case Presentations | 15 | 0 | 6 | 6 | 4 | 10 | 150 | 3 | 5 |
| ORAD403 | Oral & Maxillofacial Radiology IV | 15 | 3 | 6 | 9 | 6 | 15 | 225 | 6 | 8 |

Semester V

| Code | Title | Weeks | Didactic | Practical | Contact | Self Study | Work Load | SWL | Credit Hours | Credit Points |
|---------|----------------------------------|-------|----------|-----------|---------|------------|-----------|-----|--------------|---------------|
| ORAD501 | Clinical Radiology Rotations II | 15 | 0 | 4 | 4 | 0 | 4 | 60 | 2 | 2 |
| ORAD502 | Oral & Maxillofacial Radiology V | 15 | 4 | 8 | 12 | 6 | 18 | 270 | 8 | 10 |

Semester VI

| Code | Title | Weeks | Didactic | Practical | Contact | Self Study | Work Load | SWL | Credit Hours | Credit Points |
|---------|-----------------------------------|-------|----------|-----------|---------|------------|-----------|-----|--------------|---------------|
| ORAD601 | Interdisciplinary Seminars | 15 | 2 | 0 | 2 | 4 | 6 | 90 | 2 | 3 |
| ORAD602 | Oral & Maxillofacial Radiology VI | 15 | 4 | 8 | 12 | 6 | 18 | 270 | 8 | 10 |
| ORAD603 | Case Presentations | 15 | 0 | 6 | 6 | 4 | 10 | 150 | 3 | 5 |
| ORAD604 | Current OMRAD Literature | 15 | 2 | 0 | 2 | 4 | 6 | 90 | 2 | 3 |

Master Degree in Dental Biomaterials

Semester I

| Code | Title | Weeks | Didactic | Practical | Contact | Self Study | Work Load | SWL | Credit Hours | Credit Points |
|---------|--------------------------------|-------|----------|-----------|---------|------------|-----------|-----|--------------|---------------|
| OB101 | Oral Histology I | 15 | 1 | 2 | 3 | 2 | 5 | 75 | 2 | 3 |
| ORAD703 | Oral Radiology for Specialists | 15 | 2 | 2 | 4 | 2 | 6 | 90 | 3 | 3 |
| GMSC301 | Microbiology & Immunology | 15 | 1 | 0 | 1 | 2 | 3 | 45 | 1 | 2 |
| DBM101 | Material Science I | 15 | 2 | 2 | 4 | 4 | 8 | 120 | 3 | 4 |
| DBM102 | Material Testing I | 15 | 2 | 2 | 4 | 2 | 6 | 90 | 3 | 3 |

Semester II

| Code | Title | Weeks | Didactic | Practical | Contact | Self Study | Work Load | SWL | Credit Hours | Credit Points |
|--------|---------------------|-------|----------|-----------|---------|------------|-----------|-----|--------------|---------------|
| OB201 | Oral Histology II | 15 | 1 | 2 | 3 | 2 | 5 | 75 | 2 | 3 |
| DBM201 | Material Science II | 15 | 2 | 2 | 4 | 4 | 8 | 120 | 3 | 4 |
| DBM202 | Material Testing II | 15 | 2 | 2 | 4 | 2 | 6 | 90 | 3 | 3 |
| DBM203 | Specialty Clinic I | 15 | 2 | 4 | 6 | 0 | 6 | 90 | 4 | 3 |

Semester III

| Code | Title | Weeks | Didactic | Practical | Contact | Self Study | Work Load | SWL | Credit Hours | Credit Points |
|--------|----------------------------|-------|----------|-----------|---------|------------|-----------|-----|--------------|---------------|
| DBM301 | Applied Dental Materials I | 15 | 2 | 2 | 4 | 2 | 6 | 90 | 3 | 3 |
| DBM302 | Specialty Clinic II | 15 | 2 | 4 | 6 | 2 | 8 | 120 | 4 | 4 |
| DBM303 | Fundamental of Polymers | 15 | 2 | 2 | 4 | 2 | 6 | 90 | 3 | 3 |
| DBM304 | Fundamental of Ceramics | 15 | 2 | 2 | 4 | 2 | 6 | 90 | 3 | 3 |

Semester IV

| Code | Title | Weeks | Didactic | Practical | Contact | Self Study | Work Load | SWL | Credit Hours | Credit Points |
|--------|-----------------------------|-------|----------|-----------|---------|------------|-----------|-----|--------------|---------------|
| DBM401 | Fundamentals of Metals | 15 | 2 | 2 | 4 | 2 | 6 | 90 | 3 | 3 |
| DBM402 | Fundamentals of Composites | 15 | 2 | 2 | 4 | 2 | 6 | 90 | 3 | 3 |
| DBM403 | Applied Dental Materials II | 15 | 2 | 2 | 4 | 2 | 6 | 90 | 3 | 3 |
| DBM404 | Specialty Clinic III | 15 | 2 | 4 | 6 | 2 | 8 | 120 | 4 | 4 |

Master Degree in Implantology

| | Code | Title | Didactic | Practical | Contact | Self study | SWL | Credit points |
|------------|---------|--|----------|-----------|---------|------------|-----|---------------|
| Semester 1 | GMSC101 | Anatomy Of the head and neck | 30 | 30 | 60 | 30 | 90 | 3 |
| | ORAD703 | Oral radiology for restoratives | 30 | 30 | 60 | 30 | 90 | 3 |
| | IMP101 | Fundamental of minor oral surgeries | 30 | 30 | 60 | 60 | 120 | 4 |
| | IMP102 | Preclinical implantology | 30 | 30 | 60 | 60 | 120 | 4 |
| | IMP103 | Biological & Biomechanical aspect in implant dentistry | 30 | 0 | 30 | 60 | 90 | 3 |
| | IMP105 | Fundamental of removable prosthodontics | 30 | 30 | 60 | 60 | 120 | 4 |
| Semester 2 | OP502 | Oral pathology for Prosthetic dentistry | 30 | 30 | 60 | 30 | 90 | 3 |
| | IMP104 | Fundamentals of fixed prosthodontics | 30 | 30 | 60 | 60 | 120 | 4 |
| | IMP106 | Fundamentals of dental occlusion | 30 | 0 | 30 | 60 | 90 | 3 |
| | IMP201 | Basic implant surgeries | 30 | 0 | 30 | 60 | 90 | 3 |
| | IMP202 | Case presentation and treatment planning seminar I | 60 | 0 | 60 | 60 | 120 | 4 |
| | IMP203 | Clinical implant practice I | 0 | 120 | 120 | 0 | 120 | 4 |
| Semester 3 | IMP204 | Basic Implant prosthodontics | 15 | 0 | 15 | 60 | 75 | 3 |
| | IMP301 | Advanced Implant surgeries | 15 | 0 | 15 | 60 | 75 | 3 |
| | IMP302 | Case presentation and treatment planning seminar II | 60 | 0 | 60 | 60 | 120 | 4 |
| | IMP303 | Clinical implant practice II | 0 | 120 | 120 | 0 | 120 | 4 |
| Semester 4 | IMP403 | Esthetic Implant dentistry | 30 | 0 | 30 | 60 | 90 | 3 |
| | IMP304 | Advanced Implant prosthodontics | 30 | 0 | 30 | 60 | 90 | 3 |
| | IMP305 | Current literature in implantology | 60 | 0 | 60 | 120 | 180 | 6 |
| | IMP401 | Case presentation and treatment planning seminar III | 30 | 0 | 30 | 60 | 90 | 3 |
| | IMP402 | Clinical implant practice III | 0 | 120 | 120 | 0 | 120 | 4 |

Research Courses

| Code | Title | Weeks | Didactic | Practical | Contact | Self Study | Work Load | SWL | Credit Hours | Credit Points |
|-------------|--|--------------|-----------------|------------------|----------------|-------------------|------------------|------------|---------------------|----------------------|
| BRC101 | Evidence Based Dentistry | 15 | 1 | 0 | 1 | 4 | 5 | 75 | 1 | 3 |
| BRC102 | Research Methodology | 15 | 1 | 0 | 1 | 4 | 5 | 75 | 1 | 3 |
| BRC103 | Systematic Review & Meta Analysis | 15 | 1 | 0 | 1 | 4 | 5 | 75 | 1 | 3 |
| BRC104 | Biostatistics for Health Care Researchers | 15 | 1 | 0 | 1 | 4 | 5 | 75 | 1 | 3 |
| BRC105 | Information Technology & Teaching Skills for Health Care Researchers | 15 | 1 | 0 | 1 | 4 | 5 | 75 | 1 | 3 |
| BRC106 | Ethics for Biosciences | 15 | 1 | 0 | 1 | 2 | 5 | 45 | 1 | 3 |