

CEBU DOCTORS' UNIVERSITY
GRADUATE SCHOOL
Mandaue City

CURRICULUM

MASTER OF SCIENCE in DENTISTRY (MSD)
Major in Periodontics with Implant Dentistry

I FOUNDATION SUBJECTS ----- 6 units

Educ 100 - Methods of Research.....3

Educ 101 - Biostatistics and Epidemiology.....3

II CORE SUBJECTS ----- 15 units

MSD 101 Craniofacial Anatomy and Physiology.....3

MSD 102 Cellular and Molecular Biology..... 3

MSD 103 Multidisciplinary Diagnosis and Treatment..
Planning and Practice Management.....3

MSD 104 Microbiology and Immunology in Oral Medicine.....3

MSD 105 Occlusion Temporo-Mandibular Joint Dysfunction..... 3

III MAJOR SUBJECTS----- 15 units

PER 101 – Principles of Periodontics3

PER 102 - Conscious Sedation.....3

PER 103 – Graduate and Advanced Implant Surgery3

PER 104 – Periodontal Systemic Interrelationships.....3

PER 105 - Orthodontic-Periodontic Interrelationships3

IV CLINICAL PERIODONTICS WITH IMPLANT DENTISTRY -----18 units

Clinical Periodontics with Implant Dentistry I3

Clinical Periodontics with Implant Dentistry II3

Clinical Periodontics with Implant Dentistry III 3

Clinical Periodontics with Implant Dentistry IV 3

Clinical Periodontics with Implant Dentistry V3

Clinical Periodontics with Implant Dentistry VI3

MASTER'S THESIS----- 6 units

SUMMARY

Foundation Subjects..... 6

Core Subjects.....15

Major Subjects..... 15

Clinical Periodontics.....18

Master's Thesis..... 6

Total..... 60

COURSE REQUIREMENTS

Comprehensive Examination

Master's Thesis

COURSE DESCRIPTIONS

FOUNDATION SUBJECTS(6 units)

Educ 100 – Methods of Research (credit:3 units; lecture:54 hours(3 hours/week x 18 weeks)

This course is to expose graduate students to the research process in dentistry through the discussion of the steps and examination of completed research reports. A requirement for submission is a research design on an approved topic

Educ 101 – Biostatistics and Epidemiology(credit:3 units; lecture:54 hours)

Statistics deals with the collection, organization, presentation, analysis and interpretation of biological information that can be stated numerically. This course uses statistical methods to summarize the data and statistical procedures to reach certain conclusions that can be applied to the field of dentistry. Practical emphasis is given to study design and the interpretation of results in the field of dentistry

CORE SUBJECTS (credit: 15 units)

MSD 101 Craniofacial Anatomy and Physiology(credit:3 units; lecture:54 hours)

This course demonstrates the gross structure and function of the head and neck including its neural pathways to and from the central nervous system.

MSD 102 Cellular and Molecular Biology(credit:3 units; lecture: 54 hours)

This course is about molecular biology that concerns itself with the understanding of the interactions between the various systems of a cell, including interactions between DNA, RNA and protein biosynthesis as well as learning how these interactions are regulated.

MSD 103 Multidisciplinary Diagnosis, Treatment Planning and Practice Management (credit:3 units; lecture: 54 hours)

This course about how to conduct multidisciplinary diagnosis, treatment planning and dental practice management

MSD 104 Microbiology and Immunology in Oral Medicine(credit:3 units; lecture: 54 hours)

This course on microbiology and immunology covers all aspects of the interrelationship between infectious agents and their hosts. Among the major topics covered are microbial and viral pathogenesis and the immunological host response to infections.

MSD 105 Occlusion Temporo-Mandibular Joint Dysfunction(credit:3 units; lecture: 54 hours)

This course provides a basic understanding of occlusion and the physiology of the stomatognathic system. It includes the etiology, diagnosis and treatment of temporo-mandibular disorders. Differential diagnosis and treatment for patients with temporo-mandibular disorders are covered didactically and clinically.

MAJOR SUBJECTS(credit:15 units)

PER 101 - Principles of Periodontics (credit:3 units; lecture:54 hours)

An overview of critical didactic and clinical information in the field of periodontology to the incoming periodontal resident.

PER 102 - Conscious Sedation (credit:3 units; lecture:54 hours)

Course is designed to provide knowledge required to manage pain and anxiety in the conscious, sedated patient and training in the various sedation techniques

PER 103 - Graduate and Advanced Implant Dentistry (credit:3 units; lecture:54 hours)

Part I is a comprehensive course to prepare knowledge necessary for clinical dental implant treatment; all phases of surgical and prosthetic treatment are discussed. Part II is a comprehensive overview of implant dentistry, with an emphasis on surgical methods and techniques. Special topics are presented and current literature is reviewed.

PER 104 - Periodontal Systemic Interrelationships (credit:3 units; lecture:54 hours)

Explores the complex interaction between oral and systemic health. Evidence shows that a number of human diseases are associated with opportunistic infections in periodontal medicine. These diseases are discussed together with the oral manifestations and management.

PER 105 - Orthodontic-Periodontic Interrelationships (credit:3 units; lecture:54 hours)

Designed to explore the interrelationships between the disciplines of orthodontics and periodontics. In-depth discussion of special topics to improve patient treatment of interdisciplinary problems in clinical practice.

CLINICAL PERIODONTICS WITH IMPLANT DENTISTRY(credit:18 units)

Clinical Periodontics with Implant Dentistry I (credit:3 units; clinical pwid:27 hours)

Clinical Periodontics with Implant Dentistry II (credit:3 units; clinical pwid:27 hours)

Clinical Periodontics with Implant Dentistry III (credit:3 units; clinical pwid:27 hours)

Clinical Periodontics with Implant Dentistry IV (credit:3 units; clinical pwid:27 hours)

Clinical Periodontics with Implant Dentistry V (credit:3 units; clinical pwid:27 hours)

Clinical Periodontics with Implant Dentistry VI (credit:3 units; clinical pwid:27 hours)

MASTER'S THESIS (credit:6 units)

Original and in-depth research on particular field of specialization in dentistry (periodontics with implant dentistry)