

CEBU DOCTORS' UNIVERSITY
GRADUATE SCHOOL
Mandaue City

CURRICULUM

MASTER OF SCIENCE in DENTISTRY (MSD)
Major in Endodontics

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

ENDO 101 - Preclinical Endodontic Technique3
ENDO 102 – Preclinical and Clinical Teaching Practicum.....3
ENDO 103 – Pulp Biology.....3
ENDO 104 - Concepts in Biomedical Science.....3
ENDO 105 – Principles of Endodontic Surgery.....3

IV CLINICAL ENDODONTICS-----18 units

ENDO 111 Clinical Endodontics I3
ENDO 112 Clinical Endodontics II.....3
ENDO 113 Clinical Endodontics III.....3
ENDO 114 Clinical Endodontics IV.....3
ENDO 115 Clinical Endodontics V.....3
ENDO 116 Clinical Endodontics VI.....3

MASTER'S THESIS----- -6 units

SUMMARY

Foundation Subjects.....	6
Core Subjects.....	15
Major Subjects.....	15
Clinical Endodontics.....	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)

ENDO 101 - Preclinical Endodontic Technique(credit:3 units; lecture:54 hours)

A didactic and laboratory introduction to basic endodontic clinical principles and techniques. A format to experience alternate clinical treatment methods.

ENDO 102 - Preclinical and Clinical Teaching Practicum(credit:3 units; lecture:54 hours)
Supervised teaching participation in the instruction of graduate dental students in the preclinical and clinical endodontic technique course.

ENDO 103 - Pulp Biology(credit:3 units; lecture:54 hours)

Normal and diseased pulp conditions and their relationship to periapical tissues. Emphasis is placed on pulpal neural and vascular supply; pulpal defense mechanisms; injury, aging, and retrogressive changes; healing and repair of periapical tissues; and histopathology of periapical lesions.

ENDO 104 - Concepts in Biomedical Science(credit:3 units; lecture:54 hours)

A lecture/discussion series designed to integrate the graduate student's didactic and clinical experiences in the specialty area with other dental and medical specialty subjects.

ENDO 105 - Principles of Endodontic Surgery(credit:3 units; lecture:54 hours)

A comprehensive consideration of endodontic surgery is presented. Instruction and training in the application of relevant biomedical science to meet surgical and clinical requirements is emphasized.

CLINICAL DENTAL SURGERY (credit:18 units)

ENDO 111 Clinical Endodontics I (credit:3 units; clinical endodontics:27 hours)

ENDO 112 Clinical Endodontics II (credit:3 units; clinical endodontics:27 hours)

ENDO 113 Clinical Endodontics III (credit:3 units; clinical endodontics: 27 hours)

ENDO 114 Clinical Endodontics IV (credit:3 units; clinical endodontics: 27 hours)

ENDO 115 Clinical Endodontics V (credit:3 units; clinical endodontics: 27 hours)

ENDO 116 Clinical Endodontics VI (credit:3 units: clinical endodontics: 27 hours)

MASTER'S THESIS (credit:6 units)

Original and in-depth research on particular field of specialization in dentistry (endodontics)