

CEBU DOCTORS' UNIVERSITY  
GRADUATE SCHOOL  
Mandaue City

CURRICULUM

MASTER OF SCIENCE in DENTISTRY (MSD)  
Major in Dental Surgery

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
DS 101 – Principles of Dental Surgery.....	3
DS 102 – Conscious Sedation .....	3
DS 103 - Graduate and Advanced Dental Surgery.....	3
DS 104 – Systemic Interrelationships.....	3
DS 105 – Dental Surgery Interrelationships .....	3
IV CLINICAL DENTAL SURGERY-----	18 units
DS 111 Clinical Dental Surgery I .....	3
DS 112 Clinical Dental Surgery II.....	3
DS 113 Clinical Dental Surgery III.....	3
DS 114 Clinical Dental Surgery IV.....	3
DS 115 Clinical Dental Surgery V.....	3
DS 116 Clinical Dental Surgery VI.....	3
MASTER'S THESIS-----	-6 units

SUMMARY

Foundation Subjects.....	6
Core Subjects.....	15
Major Subjects.....	15
Clinical Dental Surgery.....	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)

DS 101 - Principles of Dental Surgery(credit:3 units; lecture:54 hours)

An overview of critical didactic and clinical information in the field of dental to the incoming dental surgery resident.

DS 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.

DS 103 - Graduate and Advanced Dental Surgery(credit:3 units; lecture:54 hours)

Part I is a comprehensive course to prepare knowledge necessary for clinical dental surgery treatment; all phases of surgical and prosthetic treatment are discussed. Part II is a comprehensive overview of dental surgery, with emphasis on surgical methods and techniques.

DS 104 - 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 dental medicine.

These diseases are discussed together with the oral manifestations and management.

DS 105 - Dental Surgery Interrelationships(credit:3 units; lecture:54 hours)

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

### CLINICAL DENTAL SURGERY (credit: 18 units)

DS 111 Clinical Dental Surgery I (credit:3 units; clinical dental surgery:27 hours)

DS 112 Clinical Dental Surgery II (credit:3 units; clinical dental surgery:27 hours)

DS 113 Clinical Dental Surgery III (credit:3 units; clinical dental surgery: 27 hours)

DS 114 Clinical Dental Surgery IV (credit:3 units; clinical dental surgery: 27 hours)

DS 115 Clinical Dental Surgery V (credit:3 units; clinical dental surgery: 27 hours)

DS 116 Clinical Dental Surgery VI (credit:3 units: clinical dental surgery: 27 hours)

### MASTER'S THESIS (credit:6 units)

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