

COURSE DESCRIPTIONS

Postdoctoral Certificate in Oral and Maxillofacial Surgery

BIOR 9005 – Advanced Oral Biology Core Course. Five (5) credits.

The discipline of Oral Biology deals with the structural development and functions of the oral tissues, their interrelationships, and their relation to other organ systems in both healthy and disease stages. The intent of this course is to provide a basis and a logical educational bridge between the Biomedical Sciences and the Clinical Practice of Dental Specialties.

CIOM 9404 – Trauma. Four (4) credits.

Clinical course offered to Third Year students in Oral and Maxillofacial Surgery. It covers evaluation and treatment of patients with traumatic injuries about the face, head, and neck with or without any other body trauma. Includes the rationales of total patient care.

CIOM 9405 – Trauma. Four (4) credits.

Evaluation and treatment of patients with traumatic injuries about the face, head, and neck with or without any other body trauma. Includes the rationales of total patient care.

CIOM 9406 – Seminar. One (1) credit.

Formal presentation of seminars on selected subjects by the residents, journal clubs, presentation of clinical cases, morbidity conferences, panel discussions, and special conferences by faculty members.

CIOM 9407 – Seminar. One (1) credit.

Formal presentation of seminars on selected subjects by the residents, journal club, presentation of clinical cases, morbidity conferences, panel discussions, and special conferences by faculty members.

CIOM 9408 – Seminar. One (1) credit.

Formal presentation of seminars on selected subjects by the residents, journal club, presentation of clinical cases, morbidity conferences, panel discussions, and special conferences by faculty members.

CIOM 9409 – Seminar. One (1) credit.

Formal presentation of seminars on selected subjects by the students, journal clubs, presentation of clinical cases, morbidity conferences, panel discussions, and special conferences by faculty members.

CIOM 9410 – Seminar. One (1) credit.

Formal presentation of seminars on selected subjects by the students, journal clubs, presentation of clinical cases, morbidity conferences, panel discussions, and special conferences by faculty members.

CIOM 9411 – Seminar. One (1) credit.

Formal presentation of seminars on select subjects by the students, journal clubs, presentation of clinical cases, morbidity conferences, panel discussions, and special conferences by faculty members.

CIOM 9412 – Hospital Procedures. Two (2) credits.

Includes the total treatment of a patient in a hospital environment. Stresses operating room decorum and emergency treatment protocols.

CIOM 9413 – Hospital Procedures. Two (2) credits.

The Second Semester of the course is continuation at a more advanced level of instruction, taking into consideration the experience acquired during the First Semester in the course CIOM 9412.

CIOM 9414 – Advanced Oral Maxillofacial Surgery. Two (2) credits.

This is a continuation of the First Year course “Hospital Procedures” at a more advanced level where the student is assigned patients of higher complexity in all phases of Oral and Maxillofacial Surgery including Orthognathic Surgery.

CIOM 9415 – Advanced Oral Maxillofacial Surgery. Two (2) credits.

Clinical course offered in the Second Semester of the Second Year. It is a continuation of course CIOM 9414 at a more advanced level.

CIOM 9418 – Oral and Maxillofacial Surgery for Exchange Students. One to seven (1-7) credit(s).

It consists of an internship in the Oral and Maxillofacial Surgery Post-Doctoral Program of a resident coming from another institution which maintains a formal relationship of exchange of students with our campus. The main purpose of this course is to offer didactic and clinical experiences in a different environment from the institution they came from.

CIOM 9460 – General Anesthesia Rotation. Three (3) credits.

Four (4) months rotation on the General Anesthesia Department of the School of Dentistry where the Oral and Maxillofacial Surgery resident performs as if he were a first General Anesthesia resident. The physiology and pharmacology of anesthetic agents is presented. Practical and didactic instruction on techniques and management of hospitalized and out patients.

CIOM 9501 – Seminars Literature Review Case Presentation. Four (4) credits.

Presentation by resident and faculty seminars, journals, and interesting cases related to the practice of Oral and Maxillofacial Surgery.

CIOM 9502 – Seminars Literature Review Case Presentation. Four (4) credits.

Formal presentation by the faculty and residents of seminars, scientific journals, and clinical cases.

CIOM 9511 – Seminars, Review of Literature Case Presentations I. Four (4) credits.

Presentations by residents and faculty of seminars, journals, and interesting cases related to the practice of Oral and Maxillofacial Surgery.

CIOM 9512 – Seminars, Review of Literature Case Presentations II. Four (4) credits. Pre-requisite: CIOM 9511.

Presentations by residents and faculty of seminars, journals, and interesting cases related to the practice of Oral and Maxillofacial Surgery.

CIOM 9521 – Seminars, Review of Literature Case Presentations III. Four (4) credits. Pre-requisite: CIOM 9512.

Presentations by residents and faculty of seminars, journals, and interesting cases related to the practice of Oral and Maxillofacial Surgery.

CIOM 9522 – Seminars, Review of Literature Case Presentations IV. Four (4) credits. Pre-requisite: CIOM 9521.

Presentations by residents and faculty of seminars, journals, and interesting cases related to the practice of Oral and Maxillofacial Surgery.

CIOM 9531 – Seminars, Review of Literature Case Presentations V. Four (4) credits. Pre-requisite: CIOM 9522.

Presentations by residents and faculty of seminars, journals, and interesting cases related to the practice of Oral and Maxillofacial Surgery.

CIOM 9532 – Seminars, Review of Literature Case Presentations VI. Four (4) credits. Pre-requisite: CIOM 9531.

Presentations by residents and faculty of seminars, journals, and interesting cases related to the practice of Oral and Maxillofacial Surgery.

CIOM 9541 – Seminars, Review of Literature Case Presentations VII. Four (4) credits. Pre-requisite: CIOM 9532.

Presentations by residents and faculty of seminars, journals, and interesting cases related to the practice of Oral and Maxillofacial Surgery.

CIOM 9542 – Seminars, Review of Literature Case Presentations VIII. Four (4) credits. Pre-requisite: CIOM 9541.

Presentations by residents and faculty of seminars, journals, and interesting cases related to the practice of Oral and Maxillofacial Surgery.

CIOM 9601 – Hospital Procedures. Two (2) credits.

Supervised work in ambulatory clinics, Emergency Room, Operation Room, admitted patients, and rotations in medical-hospital departments.

CIOM 9602 – Hospital Procedures. Two (2) credits.

Supervised work in ambulatory clinics, Emergency Room, Operation Room, admitted patients, and rotations in medical-hospital departments.

CIOM 9611 – Hospital Procedures I. Two (2) credits.

Supervised work in the ambulatory clinics, Emergency Room, Operation Room, admitted patients, and rotations in the medical-hospital departments.

CIOM 9612 – Hospital Procedures II. Two (2) credits. Pre-requisite: CIOM 9611.

Supervised work in the ambulatory clinics, Emergency Room, Operation Room, admitted patients, and rotations in the medical-hospital departments.

CIOM 9621 – Hospital Procedures III. Two (2) credits. Pre-requisite: CIOM 9612.

Supervised work in the ambulatory clinics, Emergency Room, Operation Room, admitted patients, and rotations in the medical-hospital departments.

CIOM 9622 – Hospital Procedures IV. Two (2) credits. Pre-requisite: CIOM 9621.

Supervised work in the ambulatory clinics, Emergency Room, Operation Room, admitted patients, and rotations in the medical-hospital departments.

CIOM 9631 – Hospital Procedures V. Two (2) credits. Pre-requisite: CIOM 9622.

Supervised work in the ambulatory clinics, Emergency Room, Operation Room, admitted patients, and rotations in the medical-hospital departments.

CIOM 9632 – Hospital Procedures VI. Two (2) credits. Pre-requisite: CIOM 9631.

Supervised work in the ambulatory clinics, Emergency Room, Operation Room, admitted patients, and rotations in the medical-hospital departments.

CIOM 9641 – Hospital Procedures VII. Two (2) credits. Pre-requisite: CIOM 9632.

Supervised work in the ambulatory clinics, Emergency Room, Operation Room, admitted patients, and rotations in the medical-hospital departments.

CIOM 9642 – Hospital Procedures VIII. Two (2) credits. Pre-requisite: CIOM 9641.

Supervised work in the ambulatory clinics, Emergency Room, Operation Room, admitted patients, and rotations in the medical-hospital departments.

CIOM 9731 – Cosmetic and Reconstructive Surgery of the Maxillofacial Region I. Two (2) credits. Pre-requisites: Second Year resident's courses approved.

First theoretical and hands-on course for Third Year residents in which the technical details, indications, contraindications, and complications related to Cosmetic and Reconstructive Surgery of the Maxillofacial Region are taught. The following topics will be covered: Cosmetic Anatomy, Facial Implantology, Rhinoplasty, Blepharoplasty, Mentoplasty, Cheiloplasty, Rytidectomies, Collagen Injections and other Materials.

CIOM 9741 – Cosmetic and Reconstructive Surgery of the Maxillofacial Region II. Two (2) credits. Pre-requisite: CIOM 9731.

Theoretical and hands-on course for the Senior residents in which the technical details, indications, contraindications, and complications related to Cosmetic and Reconstructive Surgery of the Maxillofacial Region are taught. The following topics will be covered: Cosmetic Anatomy, Facial Implantology, Rhinoplasty, Blepharoplasty, Mentoplasty, Cheiloplasty, Rytidectomies, Collagen Injections and other Materials. The resident will be involved in the treatment of more complicated cases and a higher degree of proficiency will be expected in the treatment of the patients.

CIOM 9742 – Cosmetic and Reconstructive Surgery of the Maxillofacial Region III. Two (2) credits. Pre-requisites: CIOM 9731, CIOM 9741.

Theoretical and hands-on course for the Senior residents in which the technical details, indications, contraindications, and complications related to Cosmetic and Reconstructive Surgery of the Maxillofacial Region are taught. The following topics will be covered: Cosmetic Anatomy, Facial Implantology, Rhinoplasty, Blepharoplasty, Mentoplasty, Cheiloplasty, Rytidectomies, Collagen Injections and other Materials. The resident will be involved in the treatment of more complicated cases and a higher degree of proficiency will be expected in the treatment of the patients.

CIOM 9830 – Theory and Practice of Deep Sedation-General Anesthesia. Three (3) credits.

Didactic and practical course for Oral and Maxillofacial Surgery residents where they will be taught the theoretical and practical foundations for the safe administration of ambulatory Deep Sedation-General Anesthesia.

CIOM 9840 – Thesis. Six (6) credits.

The resident will write and defend a Thesis related to an Oral and Maxillofacial Surgery topic. Completion of this course is a requisite for the M.S.D. degree.

CIOM 9845 – Head and Neck Anatomy. Two (2) credits.

Dissection of the area of the head and neck in cadavers. Lectures on dissection techniques, surgical approaches, and surgical Microanatomy.

CIOM 9847 – Research Completion Project. Six (6) credits. Pre-requisite: CIOM 9521.

The resident will perform, supervised by a faculty member, research project approved by the Research Committee of the Oral and Maxillofacial Surgery Program. After completing it the resident will make a written request for the presentation of the research project to the program faculty. This presentation will be oral and written in the format approved by the Research Committee of the School of Dentistry. In the oral presentation the resident must show that he/her has a broad and deep knowledge of the researched area, will present and defend all the research details, its results and conclusions.

MEDI 9300 – Physical Diagnosis. Three (3) credits.

The course comprises both of the essential processes for the clinical study of disease: the history of the patient's disability, and the complete physical examination. Offered during the Second Semester to Second Year medical students in third three sessions from 1:00 to 5:00 pm on Tuesday and Thursdays. The students will rotate through participating hospitals for the clinical exercise covering the different organ systems.

PDOC 9000 – Thesis. Eight (8) credits. Pre-requisites: PDOC 9006, PDOC 9101, PDOC 9102.

This course is designed for the post-doctoral student at the School of Dental Medicine to prepare a research project to obtain a Master in Sciences in Dentistry. It is conducted as an independent study under the supervision of a thesis committee. Grading System: Honor (H), Satisfactory (S), Not Passed (NP).

PDOC 9006 – Research Methods and Applied Statistics for Dental Residents. Five (5) credits.

The course is designed for post-doctorate (residents) in Dentistry. It focuses on basic concepts of oral health research, study design and planning, statistical analysis for various types of research studies, as well as basics of hypothesis testing and statistical inference. This course is conducted by means of lectures, discussions, and computer lab sessions.

PDOC 9101 – Introduction to Research Planning. Two (2) credits. Pre-requisites: PDOC 9006.

This course is designed for the post-doctoral student (resident) to complete a literature review and write an outline of the methods to be employed for a research project on a topic related to oral health. The course will be conducted by means of discussions and presentations of students' work.

PDOC 9102 – Research Planning and Statistical Design. Three (3) credits. Pre-requisites: PDOC 9101.

This course is designed for the post-doctorate student (resident) to complete the methods and statistical design section of a research proposal. This course will be conducted by means of discussions and presentations of students' work. Grading System: Honor (H), Satisfactory (S), Not Passed (NP).

PROG 9515 – Professional Studies in Dentistry. Zero (0) credit.

This is a course directed to graduated students in Dentistry. The student selects a specific area of Dentistry in which he/she shows interest in order to deepen his/her knowledge and to develop even more the skills previously acquired. The student is exposed to the most recent literature in all fields of Dentistry and to enhance his/her capacity to critically analyze divergent points of view and to become familiar with the new trends. The theoretical knowledge acquired will be placed into practice through clinical work, in a full time basis during the semester. The course is offered through lectures, literature review, seminars, clinical work, laboratory and research. At the end of the course the student will have a deep knowledge of the selected subject and will be able to integrate the acquired concepts and the refined skills to apply them in real clinical situations. Grading System: Passed (P), Not Passed (NP).