

COURSE DESCRIPTIONS

FIRST YEAR

FIRST SEMESTER AND TRIMESTER

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.

PROS 9001 Complete Dentures Seminar I. Two (2) credits.

The student will present at a seminar the theories and procedures involved in the fabrication and follow-up of complete dentures

PROS 9011 – Removable Partial Dentures Seminar I. Two (2) credits.

The student will present at a seminar the theories and procedures involved in the fabrication and follow-up of removable partial dentures.

PROS 9021 – Fixed Partial Dentures Seminar I. Two (2) credits.

The student will present at a seminar the theories and procedures involved in the fabrication and follow-up of fixed partial dentures.

PROS 9031 – Maxillofacial Prosthetics Seminar I. Two (2) credits.

The student will present at a seminar the theories and procedures involved in the fabrication and follow-up of maxillofacial prostheses.

PROS 9041 – Biomedical Sciences Seminar I. Two (2) credits.

The student will present at a seminar subjects related to dental materials, medical conditions that could affect dental treatment, and dental equipment. Use of dental equipment and materials will be demonstrated.

PROS 9051 – Dental Implants I. Two (2) credits.

The student will learn in seminars and lectures the development and use of dental implants.

PROS 9071 – Postgraduate Prosthodontics Clinic I. Nine (9) credits.

The student will perform prosthodontic clinical procedures under supervision of the teaching staff.

PROS 9081 – Occlusion Seminar I. Two (2) credits.

The course consists of a series of lectures and seminars with demonstrations of the theories of occlusion. The student will learn the basic physiologic mechanisms, which determine mandibular movement and occlusion.

PROS 9095 – Introduction to Prosthodontics Laboratory. Two (2) credits.

The student will learn different laboratory techniques. The student will practice laboratory techniques in complete, partial removable, and fixed partial prostheses.

PROS 9101 Treatment Planning and Therapy Seminar I. Two (2) credits.

Diagnosis and treatment planning are the most important procedures to be performed before an oral rehabilitation treatment is considered. At this stage, the prosthodontist considers the strategic significance of all remaining teeth and the quality of the oral tissues, especially those which will be affected by a dental prosthesis. A diagnostic protocol will aid in providing the necessary data that will determine the treatment options for the patient. A thorough knowledge of oral diagnostic techniques will be useful in accomplishing this task. This course is designed to aid the student develop the diagnostic skills necessary for establishing suitable treatment plans for the patient. This course consists of a series of lectures concerning oral examination, periodontal probing, bite registration techniques, face bow transfer, dental articulator mounting, diagnostic wax-up, intraoral photography and treatment planning. The student will prepare his cases for a presentation before the program faculty, residents, and invited guests. The presentation consists of a slide presentation with his case properly mounted on articulator, diagnostic wax-up and/or RPD designs. Once presented, the case will be thoroughly evaluated in a group discussion and a final treatment plan will be established. During treatment of the case, the student may be asked to prepare a presentation on some aspect of the treatment which may be beneficial for the residents and faculty. A final presentation is expected once the treatment has been completed.

PROS 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.

SECOND SEMESTER AND TRIMESTER

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.

PROS 9002 – Complete Dentures Seminar II. Two (2) credits. Pre-requisite: REST 9001.

The student will present at a seminar the theories and procedures involved in the fabrication and follow-up of complete dentures.

PROS 9012 – Removable Partial Dentures Seminar II. Two (2) credits. Pre-requisite: REST 9011.
The student will present at a seminar the theories and procedures involved in the fabrication and follow-up of removable partial dentures.

PROS 9022 – Fixed Partial Dentures Seminar II. Two (2) credits. Pre-requisite: REST 9021.
The student will present at a seminar the theories and procedures involved in the fabrication and follow-up of fixed partial dentures.

PROS 9032 – Maxillofacial Prosthetics Seminar II. Two (2) credits. Pre-requisite: REST 9031.
The student will present at a seminar the theories and procedures involved in the fabrication and follow-up of maxillofacial prostheses.

PROS 9042 – Biomedical Sciences Seminar II. Two (2) credits. Pre-requisite: REST 9041.
The student will present at a seminar subjects related to dental materials, medical conditions that could affect dental treatment, and dental equipment. Use of dental equipment and materials will be demonstrated.

PROS 9052 – Dental Implants II. Two (2) credits. Pre-requisite: REST 9051.
The student will learn in seminars and lectures the development and use of dental implants.

PROS 9072 – Postgraduate Prosthodontics Clinic II. Nine (9) credits. Pre-requisite: REST 9071.
The student will perform prosthodontic clinical procedures under supervision of the teaching staff.

PROS 9082 – Occlusion Seminar II. Two (2) credits. Pre-requisite: REST 9081.
The course consists of a series of lectures, seminars, and demonstrations of the theories of occlusion. The student will learn the basic physiologic mechanisms, which determine mandibular movement and occlusion.

REST 9102 – Treatment Planning and Therapy Seminar II. Two (2) credits. Pre-requisites: PROS 9101. This course is designed for the post-doctoral student (resident) to complete data collection and preliminary analysis for a pilot research project. It is conducted as a group or individual study under the supervision of a research mentor. Grading System: Honor (H), Satisfactory (S), Not Passed (NP). Diagnosis and treatment planning are the most important procedures to be performed before an oral rehabilitation treatment is considered. At this stage, the prosthodontist considers the strategic significance of all remaining teeth and the quality of the oral tissues, especially those which will be affected by a dental prosthesis. A diagnostic protocol will aid in providing the necessary data that will determine the treatment options for the patient. A thorough knowledge of oral diagnostic techniques will be useful in accomplishing this task. This course is designed to aid the student develop the diagnostic skills necessary for establishing suitable treatment plans for the patient. This course consists of a series of lectures concerning oral examination, periodontal probing, bite registration techniques, face bow transfer, dental articulator mounting, diagnostic wax-up, intraoral photography and treatment planning. The student will prepare his cases for a presentation before the program faculty, residents and invited

guests. The presentation consists of a slide presentation with his case properly mounted on articulator, diagnostic wax-up and/or RPD designs. Once presented, the case will be thoroughly evaluated in a group discussion and a final treatment plan will be established. During treatment of the case, the student may be asked to prepare a presentation on some aspect of the treatment which may be beneficial for the residents and faculty. A final presentation is expected once the treatment has been completed.

PROS 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.

SECOND YEAR

FIRST SEMESTER AND TRIMESTER

PROS 9003 – Complete Dentures Seminar III. Two (2) credits. Pre-requisites: REST 9002.

The student will present at a seminar the theories and procedures involved in the fabrication and follow-up of complete dentures.

PROS 9013 – Removable Partial Dentures Seminar III. Two (2) credits. Pre-requisite: REST 9012.

The student will present at a seminar the theories and procedures involved in the fabrication and follow-up of removable partial dentures.

PROS 9023 – Fixed Partial Dentures Seminar III. Two (2) credits. Pre-requisite: REST 9012.

The student will present at a seminar the theories and procedures involved in the fabrication and follow-up of fixed partial dentures.

PROS 9033 Maxillofacial Prosthetics Seminar III. Two (2) credits.

The student will present at a seminar the theories and procedures involved in the fabrication and follow-up of maxillofacial prostheses.

PROS 9043 – Biomedical Sciences Seminar III. Two (2) credits. Pre-requisites: REST 9041, REST 9042. The student will present at a seminar subjects related to dental materials, medical conditions that could affect dental treatment, and dental equipment. Use of dental equipment and materials will be demonstrated.

PDOC 9103 – Research Project I. Two (2) credits. Pre-requisites: PDOC 9101.

This course is designed for the post-doctoral student (resident) to complete data collection and preliminary analysis for a pilot research project. It is conducted as a group or individual study under the supervision of a research mentor. Grading System: Honor (H), Satisfactory (S), Not Passed (NP).

PROS 9073 – Postgraduate Prosthodontics Clinic III. Nine (9) credits. Pre-requisite: REST 9072.
The student will perform prosthodontic clinical procedures under supervision of the teaching staff.

PROS 9083 – Occlusion Seminar III. Two (2) credits. Pre-requisite: REST 9082.

The course consists of a series of lectures, seminars, and demonstrations of the theories of occlusion. The student will learn the basic physiologic mechanisms which determine mandibular movement and occlusion.

REST 9103 – Treatment Planning and Therapy Seminar III. Two (2) credits. Diagnosis and treatment planning are the most important procedure to be performed before an oral rehabilitation treatment is considered. At this stage, the prosthodontist considers the strategic significance of all remaining teeth and the quality of the oral tissues, especially those which will be affected by a dental prosthesis. A diagnostic protocol will aid in providing the necessary data that will determine the treatment options for the patient. A thorough knowledge of oral diagnostic techniques will be useful in accomplishing this task. This course is designed to aid the student develop the diagnostic skills necessary for establishing suitable treatment plans for the patient. This course consists of a series of lectures concerning oral examination, periodontal probing, bite registration techniques, face bow transfer, dental articulator mounting, diagnostic wax-up, intraoral photography and treatment planning. The student will prepare his cases for a presentation before the program faculty, residents and invited guests. The presentation consists of a slide presentation with his case properly mounted on articulator, diagnostic wax-up and/or RPD designs. Once presented, the case will be thoroughly evaluated in a group discussion and a final treatment plan will be established. During treatment of the case, the student may be asked to prepare a presentation on some aspect of the treatment which may be beneficial for the residents and faculty. A final presentation is expected once the treatment has been completed.

SECOND SEMESTER AND TRIMESTER

PROS 9004 – Complete Dentures Seminar IV. Two (2) credits. Pre-requisite: REST 9003.

The student will present at a seminar the theories and procedures involved in the fabrication and follow-up of complete dentures.

PROS 9014 – Removable Partial Dentures Seminar IV. Two (2) credits. Pre-requisite: REST 9013.

The student will present at a seminar the theories and procedures involved in the fabrication and follow-up of removable partial dentures.

PROS 9024 – Fixed Partial Dentures Seminar IV. Two (2) credits. Pre-requisite: REST 9023.

The student will present at a seminar the theories and procedures involved in the fabrication and follow-up of fixed partial dentures.

PROS 9034 – Maxillofacial Prosthetics Seminar IV. Two (2) credits.

The student will present at a seminar the theories and procedures involved in the fabrication and follow-up of maxillofacial prostheses.

PROS 9044 – Biomedical Sciences Seminar IV. Two (2) credits. Pre-requisites: REST 9041, REST 9042, REST 9043. The student will present at a seminar subjects related to dental materials, medical conditions that could affect dental treatment, and dental equipment. Use of dental equipment and materials will be demonstrated.

PDOC 9104 – Research Project II. Two (2) credits. Pre-requisites: PDOC 9103.

This course is designed for the post-doctorate student (resident) to complete the data analysis of a research project and prepare a manuscript on a topic related to oral health. It is conducted as a group or individual independent study under the supervision of a research mentor. Grading System: Honor (H), Satisfactory (S), Not Passed (NP).

PROS 9074 – Postgraduate Prosthodontics Clinic IV. Nine (9) credits. Pre-requisite: REST 9073. The student will perform prosthodontic clinical procedures under supervision of the teaching staff.

PROS 9084 – Occlusion Seminar IV. Two (2) credits. Pre-requisite: REST 9083.

The course consists of a series of lectures, seminars, and demonstrations of the theories of occlusion. The student will learn the basic physiologic mechanisms, which determine mandibular movement and occlusion.

PROS 9104 Treatment Planning and Therapy Seminar IV. Two (2) credits.

Diagnosis and treatment planning are the most important procedures to be performed before an oral rehabilitation treatment is considered. At this stage, the prosthodontist considers the strategic significance of all remaining teeth and the quality of the oral tissues, especially those which will be affected by a dental prosthesis. A diagnostic protocol will aid in providing the necessary data that will determine the treatment options for the patient. A thorough knowledge of oral diagnostic techniques will be useful in accomplishing this task. This course is designed to aid the student develop the diagnostic skills necessary for establishing suitable treatment plans for the patient. This course consists of a series of lectures concerning oral examination, periodontal probing, bite registration techniques, face bow transfer, dental articulator mounting, diagnostic wax-up, intraoral photography and treatment planning. The student will prepare his cases for a presentation before the program faculty, residents and invited guests. The presentation consists of a slide presentation with his case properly mounted on articulator, diagnostic wax-up and/or RPD designs. Once presented, the case will be thoroughly evaluated in a group discussion and a final treatment plan will be established. During treatment of the case, the student may be asked to prepare a presentation on some aspect of the treatment which may be beneficial for the residents and faculty. A final presentation is expected once the treatment has been completed.

THIRD YEAR

FIRST SEMESTER AND TRIMESTER

PROS 9075 Postgraduate Prosthodontics Clinic V. Nine (9) credits. Pre-requisites: PROS 9071, PROS 9072, PROS 9073, PROS 9074.

This course consists of practical experiences for the graduate student in the areas of Complete Dentures, Removable Partial Dentures, Fixed Partial Dentures and Maxillofacial Prosthetics. These experiences are intended to develop proficiency in the management of all types of prosthodontic patients, ranging from routine cases up to difficult cases. The student will also treat patients needing endosseous implants as part of their oral rehabilitation. The student will interact with other specialists (oral surgeons, periodontists) as part of an implant team in the diagnosis and treatment planning of these patients. This course prepares the student for his future practice as a prosthodontist, when he will be treating patients beyond the scope of a general practitioner.

PROS 9105 – Treatment Planning and Therapy Seminar V. Two (2) credits.

Diagnosis and treatment planning are the most important procedures to be performed before an oral rehabilitation treatment is considered. At this stage, the prosthodontist considers the strategic significance of all remaining teeth and the quality of the oral tissues, especially those which will be affected by a dental prosthesis. A diagnostic protocol will aid in providing the necessary data that will determine the treatment options for the patient. A thorough knowledge of oral diagnostic techniques will be useful in accomplishing this task. This course is designed to aid the student develop the diagnostic skills necessary for establishing suitable treatment plans for the patient. This course consists of a series of lectures concerning oral examination, periodontal probing, bite registration techniques, face bow transfer, dental articulator mounting, diagnostic wax-up, intraoral photography and treatment planning. The student will prepare his cases for a presentation before the program faculty, residents and invited guests. The presentation consists of a slide presentation with his case properly mounted on articulator, diagnostic wax-up and/or RPD designs. Once presented, the case will be thoroughly evaluated in a group discussion and a final treatment plan will be established. During treatment of the case, the student may be asked to prepare a presentation on some aspect of the treatment which may be beneficial for the residents and faculty. A final presentation is expected once the treatment has been completed.

SECOND SEMESTER AND TRIMESTER

PROS 9076 – Postgraduate Prosthodontics Clinic VI. Nine (9) credits. Pre-requisites: PROS 9071, PROS 9072, PROS 9073, PROS 9074, PROS 9075.

This course consists of practical experiences for the graduate student in the areas of Complete Dentures, Removable Partial Dentures, Fixed Partial Dentures and Maxillofacial Prosthetics. These experiences are intended to develop proficiency in the management of all types of prosthodontic patients, ranging from routine cases up to difficult cases. The student will also treat patients needing endosseous implants as part of their oral rehabilitation. The student will interact with other specialists (oral surgeons, periodontists) as part of an implant team in the diagnosis and treatment planning of these patients. This course prepares the student for his

future practice as a prosthodontist, when he will be treating patients beyond the scope of a general practitioner.

PROS 9106 – Treatment Planning and Therapy Seminar VI. Two (2) credits.

Diagnosis and treatment planning are the most important procedures to be performed before an oral rehabilitation treatment is considered. At this stage, the prosthodontist considers the strategic significance of all remaining teeth and the quality of the oral tissues, especially those which will be affected by a dental prosthesis. A diagnostic protocol will aid in providing the necessary data that will determine the treatment options for the patient. A thorough knowledge of oral diagnostic techniques will be useful in accomplishing this task. This course is designed to aid the student develop the diagnostic skills necessary for establishing suitable treatment plans for the patient. This course consists of a series of lectures concerning oral examination, periodontal probing, bite registration techniques, face bow transfer, dental articulator mounting, diagnostic wax-up, intraoral photography and treatment planning. The student will prepare his cases for a presentation before the program faculty, residents and invited guests. The presentation consists of a slide presentation with his case properly mounted on articulator, diagnostic wax-up and/or RPD designs. Once presented, the case will be thoroughly evaluated in a group discussion and a final treatment plan will be established. During treatment of the case, the student may be asked to prepare a presentation on some aspect of the treatment which may be beneficial for the residents and faculty. A final presentation is expected once the treatment has been completed.

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).