



CDM 3030 - Periodontology IV

I. Course Information

Course: CDM 3030 - Periodontology IV
Semester and Year: Fall 2021
Course Start and End Dates: 07/26/2021 - 12/12/2021
Course Reference Number: 24052
Semester Credit Hours: 1.0
Building and Room: HPD-Assembly I Building - 2104FINK

II. Instructor Information

Professor: Marela Garcia
Email: mgarcia4@nova.edu
Office Hours:
 By appointment only. Contact by email at mgarcia4@nova.edu

III. Class Schedule and Location

Day	Date	Time	Location	Building/Room
W	07/28/2021 - 12/08/2021	8:10 AM - 8:59 AM	Ft Lauderdale/Davie Campus	HPD-Assembly I Building- 2104FINK

IV. Course Description

The purpose of this course is to present to the students the indications and modalities of periodontal surgery including but not limited to treatment of furcations, osseous surgery, mucogingival surgery, and regenerative techniques. Wound healing, use of antibiotics in periodontal therapy, and periodontal medicine is also presented. This course is teaching to diagnose and treat periodontal disease in clinic by teaching to differentiate indications for various treatment modalities and indication for referral

V. Course Objectives / Learning Outcomes

Course Learning Outcomes

At the completion of this course, the student will be able to:

1. Describe the different modalities of periodontal surgical treatment.
2. Distinguish between indications for the different modalities of periodontal surgical treatment.
3. Select appropriate treatment strategies for furcation involvements.
4. Understand concepts of wound healing and the recreation of the gingival unit following surgical treatment.
5. Differentiate the utilization of systemic and local antibiotics in periodontal therapy.
6. Identify concepts of periodontal medicine including but not limited to osteoporosis, cardiovascular disease, and Diabetes mellitus

COLLEGE OF DENTAL MEDICINE COMPETENCY STATEMENTS Faculty Note: Use the most updated

version of the CDM Predoctoral Competency document to select the corresponding competencies for this course. Be sure to select the number of the competency statement and the verbatim competency statement as it appears on the competency document. For each competency indicate the type of assessment (formative or summative) that will be employed to measure the attainment of the competency

Core Competencies:

Related Competencies (as defined by educational outcomes)1. Graduates must be competent in patient assessment, diagnosis, comprehensive treatment planning, prognosis, and informed consent. [CODA Predoctoral Standard 2-24(a)]

Formative assessment: Midterm Examination

Summative assessment: Final Examination.3. Graduates must be competent in recognizing the complexity of patient treatment and identifying when referral is indicated. [CODA Predoctoral Standard 2-24(c)]

Formative assessment: Midterm Examination

Summative assessment: Final Examination.9. Graduates must be competent in periodontal therapy. [CODA Predoctoral Standard 2-24(i)]

Formative assessment: Midterm Examination
Summative assessment: Final Examination.11. Graduates must be competent in managing oral mucosal and osseous disorders. [CODA Predoctoral Standard 2-24(k)]

Formative assessment: Midterm Examination
Summative assessment: Final Examination.12. Graduates must be competent in hard and soft tissue surgery. [CODA Predoctoral Standard 2-24(l)]

Formative assessment: Midterm Examination
Summative assessment: Final Examination.15. Graduates must be competent in the evaluation of the outcomes of treatment, recall strategies, and prognosis. [CODA Predoctoral Standard 2-24(o)]

Formative assessment: Midterm Exam

- This refers to the same as the items in the CDM Competency Document; please see them listed below.

FOUNDATION KNOWLEDGE

STATEMENTS FOR THE GENERAL DENTIST

FK1: Apply knowledge of molecular, biochemical, cellular, and systems-level development, structure and function to the prevention, diagnosis, and management of oral disease and the promotion and maintenance of oral health.

FK1-1: Apply knowledge of the structure and function of the normal cell and basic types of tissues comprising the human body. (Encompasses Gross and Head and Neck Anatomy, General and Oral Histology, Dental Anatomy, Occlusion, TMJ, etc.).

- Development and structure of periodontal tissues.
- Structure and function of oral mucosa.

FK2: Apply knowledge of physics and chemistry to explain normal biology and pathobiology in the prevention, diagnosis, and management of oral disease and the promotion and maintenance of oral health.

FK2: Apply knowledge of physics and chemistry to explain normal biology and pathobiology in the prevention, diagnosis, and management of oral disease and the promotion and maintenance of oral health.

FK3: Apply knowledge of physics and chemistry to explain the characteristics and use of technologies and materials used in the prevention, diagnosis, and management of oral disease and the promotion and maintenance of oral health.

FK3-2: Apply knowledge of the principles of chemistry to understand the properties and performance of dental materials and their interaction with oral structures in health and disease. (Encompasses Dental

Material Sciences, Biomaterials, etc.).

- Advantages and disadvantages of biomaterials used in dentistry.FK5: Apply knowledge of the cellular and molecular bases of immune and non-immune hist defense mechanisms in the prevention, diagnosis, and management of oral disease and the promotion and maintenance of oral health.

FK5: Apply knowledge of the cellular and molecular bases of immune and non-immune hist defense mechanisms in the prevention, diagnosis, and management of oral disease and the promotion and maintenance of oral health.

FK5-1: Apply knowledge of the function and dysfunction of the immune system, of the mechanisms for distinction between self and non-self (tolerance and immune surveillance) to the maintenance of health and autoimmunity. (Encompasses Immunology, Immunopathology, Immunobiology, Microbiology, Virology, etc.).

- The role of immune system in the pathogenesis of periodontal disease.FK6: Apply knowledge of general and disease-specific pathology to asses patient risk in the prevention, diagnosis, and management of oral disease and the promotion and maintenance of oral health.

FK6: Apply knowledge of general and disease-specific pathology to asses patient risk in the prevention, diagnosis, and management of oral disease and the promotion and maintenance of oral health.

FK6-3: Explain the interplay of platelets, vascular endothelium, leukocytes, and coagulation factors in maintaining fluidity of blood, formation of thrombi, and causation of atherosclerosis as it relates to the management of oral health. (Encompasses Cellular and Molecular Pathology, General Pathology, etc.).

- Evaluation of patients for oral surgical procedures.FK10: Apply quantitative knowledge, critical thinking, and informatics tools in the prevention, diagnosis, and management of oral disease and the promotion and maintenance of oral health.FK10: Apply quantitative knowledge, critical thinking, and informatics tools in the prevention, diagnosis, and management of oral disease and the promotion and maintenance of oral health.

VI. Materials and Resources

Course Required Texts and Materials:

Bibliography:

Required Texts:

Primary author: Carranza, F.A.

Secondary author: Newman, M.

Publishing House: W. B. Saunders

City, Country: Philadelphia, USA

Edition: 13th

Published: 2019

Faculty Note: Please indicate the textbooks that are **required** for the class and if available, a hyperlink to the textbook. Also, indicate if there are articles or links to **required readings** that are required for the class *and* the site where the articles are available for the student (such as: Canvas, library, database).

Course Supplemental Materials:

- Staging and Grading Periodontitis. 2017 World Workshop AAP
- Miller, McEntire J Perio 2014
- Lang et al J Perio 2018
- Kwok and Caton J Perio 2007
- Furcation Classification Glickman Clinical Periodontology 1972. 242-245

- Supplemental, Recommended, Optional, NOT required.

The access to all instructional resources included in this course, such as, lectures, handouts, manuals, PowerPoint presentations, videos, photographs, pictures, articles and web links is

limited to students who are enrolled in the course and is not for public distribution. The use of these instructional resources is exclusively for non-commercial and non-profit educational use. Students are recommended to download the instructional resources provided in the course, UNLESS, the course director instructs NOT to download specific files. We recommend that all students download, save, and keep the instructional materials from all the courses. These instructional resources will be very helpful references as you progress from year to year in the program.

VII. Course Schedule and Topic Outline

Course Schedule:

Refer to assignments

Topic Outline:

Refer to assignments

“Important note – Please note that due to the current Coronavirus pandemic, course schedules and course activities may be modified now and in future. Faculty and students are responsible for keeping apprised of these changes and adjusting their schedules accordingly.”

VIII. Instructional Methods

In this section of the syllabus you will find information about any course (instructional, assessment, assignments, benchmarks and/or clinical) modifications that were added to the course as a result of COVID-19

In person lectures. Possible Zoom meetings.

IX. Assignments

Description of Assignments, Point Value and Rubrics

Module #	Date	Title	Assignments	Content Outline	Instructor
1	08/04	Basic Principles of Periodontal Surgery	Chapters 52,53,54 (11th Edit) Chapters 57,58,59 (13th Edit)	Indications and contraindications. Surgical Techniques. Types of Incisions.	Dr. Marela Garcia
2	08/11	Furcations, Anatomy, classification and treatment options	Chapter 62 (11th Edit) Chapter 64 (13th Edit)	Anatomy Classification of lesions evolving furcations. Treatment procedures involving odontoplasty, root resection and maintenance	Dr. Marela Garcia
3	08/18	Case Presentation	Review Classification of furcation involvement	Diagnosis, prognosis. Limitations and Treatment.	Dr. Marela Garcia

4	08/25	Instrumentation and different suturing techniques	Chapters 57, 59 (11th Edit) Chapters 59, 60 (13th Edit)	Indications and contraindications of Suturing Techniques and instrumentation	Dr. Marela Garcia
5	09/01	Case Presentation	Review Incision Techniques for Surgical Procedures.	Indicate incision Design during the procedure. Indications and contraindications	Dr. Marela Garcia
6	09/08	Periodontal Disease. Present or Absent?	Staging and Grading for Periodontitis. 2017 World Workshop AAP	Prognosis and Diagnosis in Periodontal Disease Prognosis and Diagnosis in Gingivitis. Presence of Pseudopockets.	Dr. Marela Garcia
7	09/15	Case Presentation	Review Staging and Grading Periodontitis	Diagnosis and Prognosis of case presentation	Dr. Marela Garcia
8	09/22	Catch up and review			Dr. Marela Garcia
EXAM	09/29	MIDTERM	TIME TBD		
9	10/06	The periodontal flap / Osseous surgery and surgical Wound Healing	Chapters 57,56 (11th Edit) Chapters 59,60 (13th Edit)	Indications and Contraindications for Osseous Surgery. Principles of normal healing. Repair vs regeneration. The sequence of healing in flap closure	Dr. Marela Garcia
10	10/13	Resective Osseous Surgery/Crown Lengthening	Chapter 60 (11th Edit) Chapter 62 (13th Edit)	Principles of osseous surgery. Re-establishing positive architecture. Indications and contraindications for Pocket Elimination	Dr. Marela Garcia

11	10/20	Case Presentation	Review Resective Osseous Procedures	Predictability of surgical treatment Evaluation of x-rays pre and post treatment	Dr. Marela Garcia
12	10/27	Periodontal Regeneration GTR/GBR. Socket Preservation - Ridge Preservation	Chapter 61 (11th Edit) Chapters 63,66 (13th Edit)	Principles of regeneration. Concept of new attachment. Define GTR and GBR. Indication and Contraindications. Post-operative care Types of grafts. Prognosis	Dr. Marela Garcia
13	11/03	Case Presentation	Review GBR and GTR	Evaluation of surgical procedures Diagnosis and Prognosis	Dr. Marela Garcia
14	11/10	Gingivectomy / Gingivoplasty. Mucogingival Surgery	Chapters 56,58,63 (11th Edit) Chapters 61,65,67 (13th Edit)	Indications and Contraindication. Principles of Mucogingival Surgery. Graft procedures. Classification.	Dr. Marela Garcia
15	11/17	Evaluation of the candidate for Implant Therapy	Chapters 69,70,71 (11th edit) Chapters 75,76 (13th edit)	Examination of the candidate for Implant Therapy	Dr. Parker
16	11/24	Loading, Peri-Implantitis, Implant Maintenance	Chapter 81 (11th edit)	Implant Loading. Evaluation of implants. Etiology and contributing factors. Maintenance for implants.	Dr. Marela Garcia
17	12/01	Catch up and Review			Dr. Marela Garcia
EXAM	12/08	FINAL	TIME TBD		

X. Grading Criteria

Provide a List of all the graded work in the course (Assessments, Class Activities, Classwork

and Assignments) with Point or Percentage Values, or required Completion item.

Grading Scale:

Final Course grade will be calculated as follows:

- Midterm Exam - 50 Multiple Choice Questions (MCQ) : 50% of course grade
- Final Exam - 50 MCQ, cumulative : 50% of course grade.
- Remediation, if necessary, is at the discretion of the course directors.

Course Final Grade Mode for the course (Pass/Fail, PR/NPR or Letter Grade). For a continuum course, please specify the grade mode for each semester.

Grade Mode:

numerical

Course Grading Scale

Letter Grade	GPA	Equivalence
A	4	93 to 100
A-	3.75	90 to < 93
B+	3.5	86 to < 90
B	3	83 to < 86
B-	2.75	80 to < 83
C+	2.5	76 to < 80
C	2	70 to < 76
F	0	<70

XI. Course Policies

COURSE ATTENDANCE REQUIREMENTS, REMEDIATION POLICY, ALL CDM POLICIES

Attendance Policy : Please refer to appropriate pages of the NSU-CDM 2020-2021 Student Handbook.

Link to the handbook:

<https://liverootnova.sharepoint.com/dentmed/Active%20Docs/Policies%20and%20Procedures/Pre%20a2020%20CDM%20PreDoctoral%20Student%20Handbook.pdf?wa=wsignin1.0>

Remediation Policy: Please refer to appropriate pages of the NSU-CDM 2020-2021 Student Handbook.

“Successful completion of each CDM course requires compliance with the CDM Code of Behavioral Conduct.”

CDM College Attendance Policy Please note that, the Office of Admissions, Student Affairs and Services manages excused absences including sick days, mission trips, dental meetings, externships, interviews, family events, and other personal leave time, etc. and all student absences will continue to be tracked in axiUm. (Please refer to NSU Wide Religious Holidays Policy in the Student Handbook.) • Planned excused absences: please fill out the appropriate paperwork, with backup documentation (e.g.

physician's note), and submit on the online portal for the Office of Student Services prior to the scheduled absence, so that we can approve the leave time, and help you map out a plan to make up the work. It is the student's responsibility to inform the course director for any courses you will be missing, your team leader for any clinic sessions that will be missed and/or the Coordinator of Extramural Programs (Dr. Mairelina Godoy), etc. of your planned absence(s). • Unplanned excused absences: please email Dr. Galka at agalka@nova.edu with a cc to cdmservices@nova.edu to report that you will be out, the reason for your absence and to also let us know if you plan to return to school the following day. You should also email the course director for any courses you will be missing, Dr. Mairelina Godoy mg1189@nova.edu for any rotations you will be missing and/or your team leader for any clinic sessions scheduled for that day. You must continue to email us daily to keep us updated if you will be out additional days and you can submit your SREA form together with backup documentation when you know the date you will return to school. • The student will be responsible for making up all missed rotations, all material presented in lectures, all laboratory projects, all written and practical examinations (including OSCEs) and must fulfill all didactic and clinical responsibilities as outlined in the individual course syllabi. Also, please review the attendance policy in the individual course syllabi. • Please do not schedule externships or interviews when you are scheduled for an examination or rotation. • Remember, it is your responsibility to reach out to our office for any unexcused absences to see if these fall under excused absences and/or to see how the unexcused absence will be managed. Also, please contact Dr. Mairelina Godoy directly to arrange makeup of any and all missed rotations, which will take place during optional clinic weeks. • Every student will be able to take 1 Personal Day/per Semester (3 Personal Days/Academic Year) with NO BACKUP DOCUMENTATION REQUIRED, provided the day(s) are not taken when you are scheduled for a rotation, written examination, practical/competency examination, OSCE or taken directly before/after a school holiday, etc. These absences will be managed through our office and designated as excused absences, provided our office is notified by email in advance or on the day of the absence. (Please indicate in the email if you will be using a personal day and designate D-1, D-2, D-3 or D-4 student.) For any additional absences to the 1 Personal Day/per semester, or in the event that you will be missing a written examination, a preclinical or clinical practical/competency examination, including an OSCE, or rotation, backup documentation WILL be required. Again, it is the student's responsibility to notify all course directors, team leaders, and/or the Coordinator of Extramural Programs, etc. affected by your absence(s). Please check your individual schedule before requesting a personal day, to be sure that you will not be missing a rotation or an exam. A personal day will be recorded as a full day. (Half days cannot be requested.) A personal day must be requested on or before the day in question and cannot be used retroactively. **COVID-19 Protocol (subject to change)**1. NO STUDENT IS TO COME TO SCHOOL SICK- if you do not feel right- please do NOT come to school. Email Dr. Galka- Assistant Dean for Admissions, Student Affairs and Services (agalka@nova.edu) 2. If a student has had direct/close contact with someone who has been infected with COVID-19 or is experiencing COVID-like symptoms- immediately self- isolate/quarantine. Email Dr. Galka and Dr. Schweizer- Director Infection Prevention Programs (schweize@nova.edu). a. Direct Exposure/ Asymptomatic: test on day 7- if negative test result- can come back after 10 days : if NO test- quarantine 14 days b. Symptomatic (with or without Direct Exposure): test immediately and then again on day 7- if negative test result on day 7- can come back after 10 days : NO test- quarantine 14 days and must be symptom-free for 72 hours3. If a student tests positive for COVID-19: remain self-isolated. To return to school: student needs to have 2 consecutive negative test results in a row (at least 24 hours apart). 4. Students who are in quarantine, need to contact both Dr. Galka and Dr. Hernandez (marher@nova.edu) to determine if they can participate in online courses during this time

XII. University Policies

Academic Integrity: Cheating or inappropriate behavior during any written examination, quiz, any assignment, any project; plagiarism of any work(s), or other unethical behavior will not be tolerated; the student risks receiving a grade of zero (0) for said examination, quiz, assignment, project and may be referred to the Associate Dean for Academic Affairs and the Student Progress Committee. Please refer to appropriate pages of the NSU-CDM 2020-2021 Student Handbook. and the NSU Student Handbook located

at

<https://liverootnova.sharepoint.com/dentmed/Active%20Docs/Policies%20and%20Procedures/Pre%20and%202020%20CDM%20PreDoctoral%20Student%20Handbook.pdf?wa=wsignin1.0> .

Plagiarism Policy: All assignments, exams, works, patient care - written, laboratory, oral, clinical must be done as the independent work of each individual student. Plagiarism, copying or sharing the work of another or altering documentation to reflect something is your own work that is not; reflect false attendance, are considered serious offences that will not be tolerated. THESE ACTIONS WILL BE CONSIDERED IN VIOLATION OF THE UNIVERSITY AND THE CDM CODE OF BEHAVIORAL CONDUCT AND WILL BE REFERRED FOR APPROPRIATE ACTION. Students who need assistance in their learning goals should communicate with the appropriate NSU-CDM course director and/or faculty. Please refer to appropriate pages of the NSU and the CDM 2020-2021 Student Handbook. Following a link to the NSU Student Handbook

<https://liverootnova.sharepoint.com/dentmed/Active%20Docs/Policies%20and%20Procedures/Pre%20and%202020%20CDM%20PreDoctoral%20Student%20Handbook.pdf?wa=wsignin1.0>

University Policy

Class content throughout this course may be recorded in accordance with the NSU Class Recording Policy. If class content is recorded, these recordings will be made available to students registered for this course as a supplement to the classroom experience. Recordings will be made available to all students who were registered to attend the live offering of the class, regardless of a student's section or discipline, or whether the student is participating in the course online. If recordings are intended to be accessible to students or third parties who were not registered for the live offering of the class, students' personally identifiable information will be removed or redacted from the recording, unless (1) their written consent to such disclosure was previously provided, or (2) the disclosure is permissible in accordance with the Family Educational Rights and Privacy Act ("FERPA").

Students are prohibited from recording audio or video, or taking photographs in classrooms (including online classes) without prior permission from the instructor or pursuant to an approved disability accommodation, and from reproducing, sharing, or disseminating classroom recordings to individuals outside of this course.

Students found engaging in such conduct will be in breach of the Student Code of Conduct and subject to disciplinary action.

Title IX/Sexual Misconduct: Sexual violence and sexual harassment are contrary to our core values and have no place at Nova Southeastern University. In accordance with Title IX and other laws, NSU prohibits discrimination, including sex-based discrimination and discrimination towards pregnant/parenting students. If you or someone you know experience(s) sexual violence and/or sexual harassment, there are resources and options available. To learn more or to report an incident, please visit the NSU Title IX website at www.nova.edu/title-ix. Please be aware that as an instructor, I am not a confidential resource, and I will need to report any incidents of sexual misconduct to the NSU Title IX Coordinator. You can also contact Laura Bennett, NSU's Title IX Coordinator directly at laura.bennett@nova.edu or 954-262-7858.