



CDM 1070 - Periodontology I Lecture

I. Course Information

Course: CDM 1070 - Periodontology I Lecture
Semester and Year: Winter 2021
Course Start and End Dates: 01/04/2021 - 04/25/2021
Course Reference Number: 31851
Semester Credit Hours: 1.0
Building and Room: Online Venue - CANVAS

II. Instructor Information

Professor: Bibiana P Garcia
Email: bg478@nova.edu
Office Hours:
 By appointment only

III. Class Schedule and Location

Day	Date	Time	Location	Building/Room
	01/04/2021 - 04/25/2021		Programs On- line	Online Venue- CANVAS
M	01/04/2021 - 01/11/2021	8:10 AM - 8:59 AM	Programs On- line	Online Venue- CANVAS
M	01/25/2021 - 04/19/2021	8:10 AM - 8:59 AM	Programs On- line	Online Venue- CANVAS

IV. Course Description

The purpose of this course is to introduce the course participant to the language and concepts of clinical Periodontics. Students learn definitions of terms, anatomy of the gingiva and periodontium, histology of the healthy gingiva and periodontium, microbiota in a healthy gingival crevice, plaque and calculus formation in health and disease, oral hygiene, ergonomics of dental instrumentation, and periodontal instruments. This course is laying the foundation to diagnose and treat periodontal disease in clinic by teaching what is considered periodontal health.

V. Course Objectives / Learning Outcomes

Course Learning Outcomes

1. Apply language and concepts pertaining to the normal periodontium.
2. Describe periodontal evaluation with the use of standard periodontal diagnostic instruments, radiographs and related diagnostic procedures.

3. Utilize basic knowledge of tissues and biologic processes related to establishing clinical periodontal normalcy.
4. Understand ergonomics and application of periodontal instruments.

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:

4 Graduates must be competent in health promotion and disease prevention.

CODA Predoctoral Standard 2-24(d)

Formative Assessment: Quizzes and Midterm Written exam

Summative Assessment : Written Final Exam,

9. Graduates must be competent in periodontal therapy.

[CODA Predoctoral Standard 2-24(i)].

Formative Assessment: Quizzes and Midterm Written exam

Summative Assessment : Written Final Exam

19. Graduates must be competent in the application of biomedical science knowledge in the delivery of patient care .CODA Predoctoral Standard 2-15

Formative Assessment: Quizzes and Midterm Written exam

Summative Assessment : Written Final Exam,

20. Graduates must be competent in the application of the fundamental principles of behavioral sciences as they pertain to patient-centered approaches for promoting, improving and maintaining oral health..

CODA Predoctoral Standard 2-16

Formative Assessment: Quizzes and Midterm Written exam

Summative Assessment : Written Final Exam,

28. Graduates must be competent to assess, critically appraise, apply and communicate scientific and lay literature as it relates to providing evidence-based patient care.

CODA Predoctoral Standard 2-22

Formative Assessment: Quizzes and Midterm Written exam

Summative Assessment : Written Final 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

FK1-7: Apply knowledge of biological systems and their interactions to explain how the human body functions in health and disease. (Encompasses Physiology, General and Systems Pathology, etc.).

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.

FK3-2: 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.).

FK4: Apply knowledge of the principles of genetic, congenital and developmental diseases and conditions and their clinical features to understand patient risk in the prevention, diagnosis, and management of oral disease and the promotion and maintenance of oral health.

FK4-1: Apply knowledge of genetic transmission of inherited diseases and their clinical features to inform diagnosis and the management of oral health. (Encompasses Genetics, Hereditary Medicine, Developmental Biology, Teratology, etc.).

FK4-2: Apply knowledge of congenital (non-inherited) diseases and developmental conditions and their clinical features to inform the provision of oral health care. (Encompasses Genetics, Developmental Biology, Teratology, etc.).

FK5: Apply knowledge of the cellular and molecular bases of immune and non-immune host 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.).

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

FK6-4: Explain the impact of systemic conditions on the treatment of dental patients. (Encompasses Systemic Pathology, Internal Medicine, Medically Complex Patient, etc.).

FK6-5: Explain the mechanisms, clinical features, and dental implications of the most commonly encountered metabolic systemic diseases. (Encompasses Systemic Pathology, Internal Medicine, Medically Complex Patients, etc.).

FK7: Apply knowledge of the biology of microorganisms in physiology and pathology in the prevention, diagnosis, and management of oral disease and the promotion and maintenance of oral health.

FK7-2: Apply the principles of epidemiology to achieving and maintaining the oral health of communities and individuals. (Encompasses Epidemiology, Public Health, Preventive Medicine, Preventive Dentistry, etc.).

FK9: Apply knowledge of sociology, psychology, ethics and other behavioral sciences in the prevention, diagnosis, and management of oral disease and the promotion and maintenance of oral health.

FK9-1: Apply principles of sociology, psychology, and ethics in making decisions regarding the management of oral health care for culturally diverse populations of patients. (Encompasses Sociology, Psychology, Ethics, Cultural Competence, Emotional Intelligence, Communication Skills, Community Health, Public Health, etc.).

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.

FK10-2: Apply the principles and logic of epidemiology and the analysis of statistical data in the evaluation of oral disease risk, etiology, and prognosis. Encompasses Evidence-Based Dentistry, Epidemiology, Statistics, Preventive

Dentistry, Health Promotion, Public Health Dentistry, Community Dentistry, etc.).

VI. Materials and Resources

Course Required Texts and Materials:

Required Texts:

Carranza's Clinical Periodontology, 13th Edition

Authors: Michael G. Newman, Henry H. Takei, Perry R. Klokkevold

Editor Emeritus: Fermin A. Carranza

Publishing House: Elsevier Saunders, 3251 Riverport Lane, St. Louis, Missouri 63043

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:

Additional Material needed for this course will be posted in Canvas

- 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:

#	Date	Title	Assignments	Content Outline	Instructor
1	1/4/21	Plaque formation and Microbiology in Periodontal Disease.	Chp 8 & 16	Periodontal microbiology components of sulcular fluid and their function. Defense mechanisms of the gingiva, Permeability of junctional and sulcular epithelium.	Dr. B. Garcia
2	1/11/21	Defense Mechanisms of Gingiva and Immunology	Chp 16	Gingivitis and Periodontitis: Chronic Bacterial infections, Host responses, modulate effects of bacteria Components of immune system affecting periodontal disease. Influences of host response on periodontal disease.	Dr. B. Garcia
	1/18/21	Matin Luther King	NO CLASS		
3	1/25/21	Calculus and Local contributing factors of periodontal disease.	Chp-13	Dental Plaque and Calculus formation, components, stricture, location, attachment, and etiologic significance relative to health and disease. Theories of mineralization of calculus.	Dr. B. Garcia
4	2/1/21	Periodontal Charting		Examples of how to enter clinical data into Axium in formulation of periodontal diagnosis	Dr. B. Garcia
5	2/8/21	Smoking, Systemic and Genetic risk factors of Periodontal Disease	Chap 12	The role of smoking , genetic and systemic disease and their interplay and influence with periodontal disease.	Dr. B. Garcia

	2/15/21	MIDTERM EXAM	7:45 - 9:00 am			
6	2/22/21	Pathogenesis and Clinical features of Gingivitis	Chp 18	Clinical signs and symptoms of Gingivitis : pathology of initial, early and established lesions.	Dr. B. Garcia	
	3/1/21	SPRING BREAK				
7	3/8/21	Pathogenesis and Clinical features of Periodontitis	Chp 7 & 23	Intraoral features of Periodontitis patients and the pathogenesis of the disease	Dr. B. Garcia	
8	3/15/21	Clinical and Radiographic Examination and Diagnosis	Chp 33	Interpretation of clinical and radiographic findings to aid periodontal examination/diagnosis	Dr. B. Garcia	
9	3/22/21	Classification part I			Dr. Virag	
10	3/29/21	Problem Base Learning			Dr. B. Garcia	
11	4/5/21	STUDY DAY				
	4/12/21	FINAL EXAM 7:50 – 9:00 am Location TBD				

Topic Outline:

Refer to Course Schedule and Topic outline listed above

This didactic course is a two semester course: Fall Semester and Winter Semester

“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

All the lectures from this didactic course will be given by Zoom

IX. Assignments

Description of Assignments, Point Value and Rubrics

Assignments:
Additional assignments and materials needed for this course will be provide under the course listing in Canvas

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:

Grading Policy:

Final course grades are based on the didactic examinations (summative) for the didactic portion of the course and participation and performance during PBL part (formative).

Grading will follow Nova Southeastern University College of Dental Medicine numerical grading system. In order to pass, a student must receive a passing grade average of 70 or better. Extra credit assignments can be scheduled and submitted to improve course grade. Extra credit assignments cannot be used to change a failing course grade into a passing course grade at the end of the course. For didactic courses we use numerical grades 0 -100 with 70 being the minimal passing grade.

The examination from the Fall component of the course counts as 20% of the overall grade. The second examination counts for 20 of the overall grade. The final counts for 60% of the overall grade. All examinations are cumulative in content.

All assignments, exams, works, 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 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.

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:

This course continues into the winter semester. The posted grade for the Fall semester will be either PR (progressing) or NPR (not progressing) The fall exam must obtain a passing score for progression into the Winter semester. Overall, the course will contain three examinations. The fall final and the winter midterm will each count as 20% of your overall grade. The final comprises 60% of the grade and is cumulative. All tests are cumulative including the winter semester midterm. Final grade will be a letter grade.

Course Grading Scale

Letter Grade	GPA	Equivalence
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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.