



## *CDM 2160 - Periodontology III*

### I. Course Information

**Course:** CDM 2160 - Periodontology III  
**Semester and Year:** Winter 2021  
**Course Start and End Dates:** 01/04/2021 - 04/25/2021  
**Course Reference Number:** 31879  
**Semester Credit Hours:** 1.0  
**Building and Room:** Online Venue - CANVAS

### II. Instructor Information

**Professor:** Stavros Jacques Sofos  
**Email:** ss3918@nova.edu  
**Office Hours:**  
 By Appointment only

### III. Class Schedule and Location

| Day | Date                       | Time                 | Location             | Building/Room           |
|-----|----------------------------|----------------------|----------------------|-------------------------|
|     | 01/04/2021 -<br>04/25/2021 |                      | Programs On-<br>line | Online Venue-<br>CANVAS |
| R   | 01/07/2021 -<br>04/22/2021 | 8:10 AM - 8:59<br>AM | Programs On-<br>line | Online Venue-<br>CANVAS |

### IV. Course Description

This course teaches the student non-surgical treatment of periodontal disease, reevaluation of periodontal treatment, and interdisciplinary considerations following periodontal therapy as part of the periodontal treatment plan. The course introduces the students to the use of hand and ultrasonic periodontal instruments for prophylaxis and scaling and root planing procedures and emphasizes the need for supportive periodontal therapy and patient compliance.

### V. Course Objectives / Learning Outcomes

#### Course Learning Outcomes

- 1) Describe root planning with ultrasonic and hand instruments in the treatment of early periodontitis, its goals and limitations.
- 2) Understand indications and goals of prophylaxis and control of etiologic factors.
- 3) Understand management of patients following scaling and root planning.
- 4) Understand evaluation of response to periodontal therapy and determination of prognosis at reevaluation appointment.
- 5) Understand importance of patient compliance and the need of a periodontal maintenance program.
- 6) Understand interdisciplinary considerations following periodontal treatment

**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:**

1. Graduates must be competent in patient assessment, diagnosis, comprehensive treatment planning, prognosis, and informed consent.

[CODA Predoctoral Standard 2-24(a)]

assessed formative by midterm MCQ exam and summative by final MCQ Examination

3. Graduates must be competent in recognizing the complexity of patient treatment and identifying when referral is indicated.

[CODA Predoctoral Statment 2-24(c)]

assessed formative by midterm MCQ exam and summative by final MCQ Examination

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

[CODA Predoctoral Standard 2-24(d)]

assessed formative by midterm MCQ examination and summative by final MCQ Examination

9. Graduates must be competent in periodontal therapy.

[CODA Predoctoral Standard 2-24(i)]

assessed formative by midterm MCQ examination and summative by final MCQ Examination

19. Graduates must be competent in the application of biomedical science knowledge in the delivery of patient care.

[CODA Predoctoral Standard 2-15]

assessed formative by midterm MCQ examination and summative by final MCQ Examination

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]

assessed formative by midterm MCQ examination and summative by final MCQ Examination

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] assessed formative by midterm MCQ examination and summative by final MCQ Examination

- 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, 13<sup>th</sup> 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:**

Materials distributed during the semester located 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:

Periodontology III (CDM 2160) – Course Outline

Thursday 8:10 – 9:00 A.M.

| Module#     | Date        | Title  | Assignments  | Content Outline   | Prof.        |
|-------------|-------------|--|--|---|--------------|
| 1           | 1/07        | <b>Clinical Risk Assessments and Problem Based Learning</b>  | Revise AAP 2017 Workshop: staging and grading of periodontitis.  | Review of periodontitis (case based).   | <b>Sofos</b> |
| 2           | 1/14        | <b>Nonsurgical Wound Healing, Re-evaluation of Periodontal Therapy and Periodontal Maintenance, Re-treatment</b> | Carranza's Clinical Periodontology 13th ed. Part 3 Section 4 Chapter 47-54 pg.506-574 Section 7 Chapters 72,73 pg714-732 | Principles of normal healing. Repair vs. regeneration. The sequence of healing in flap closure. Necrosis and its sequelae. Epithelialization of the gingivectomy wound and flap wound. Connective tissue repair of the gingivectomy wound and flap wound. The new junctional epithelium | <b>Sofos</b> |
| 3           | 1/21        | <b>Occlusal Trauma and Periodontal Disease</b>   | Carranza's Clinical Periodontology 13th ed. Part 2, chapter 25 Pg 329-336 Part 3, chapter 55 Pg 574-581                  | The role of occlusion on the periodontium.  | <b>Sofos</b> |
| <b>EXAM</b> | <b>1/28</b> | <b>MIDTERM</b>   | <b>EXAM</b>  | <b>7:45-9:00 AM</b>   |              |

|      |       |   |  |   |                  |
|------|-------|---|--|---|------------------|
| 4    | 2/04  | <b>Local/systemic antimicrobial support in periodontal patients</b> | Carranza's Clinical Periodontology Section 4 Chapter 52-55. 555-574  | Implementation of antimicrobial agents. Master plan for total treatment. Local therapy and systemic therapy. Problem based learning | <b>Parker</b>    |
| 5    | 2/11  | <b>Peri-implant anatomy and implant biomaterials</b>                | Carranza Periodontology 13th edition Part 3 Section 5 Chapter 58 pg590-599 Part 4 Section 1 chapter 74-77 pg 732-784 | General overview of the peri-implant mucosa. Clinical and radiographic examination of implant patients                              | <b>Hernandez</b> |
| 6    | 2/18  | <b>Periodontal health and restorative procedure</b>                 | Periodontics Pgs. 626-635 Carranza's Clinical Periodontology 11th ed. Chapter 65,66 Blackboard                       | Discussion of interdisciplinary considerations following periodontal treatment.   | <b>Sofos</b>     |
| 7    | 2/25  | <b>New paradigms of periodontal treatment/Host modulation</b>       | Carranza's Clinical Periodontology Part 3 Section 4 Chapter 54-57 564-585 Section 6 Chapters 69-74 pg696-732         | General overview of present and future periodontal treatment.   | <b>Sofos</b>     |
| 8    | 3/1-5 | <b>SPRING BREAK!!</b>   |  |   |                  |
| 9    | 3/11  | <b>Implant loading, Peri-implantitis, and Implant Maintenance</b>   | Carranza's Clinical Periodontology Part 4 Section 2 chapter 78-87 pg784-872  | Definition and treatment of peri-implant mucositis and peri-implantitis.  | <b>Parker</b>    |
| 10   | 3/18  | Self-Study Time   |  |   |                  |
| EXAM | 1/04  | <b>FINAL EXAM 7:45 - 9:00 am</b>                                    |  |   |                  |
|      |       |   |  |   |                  |

**Topic Outline:**

Refer to course schedule and topic outline listed above.

**“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. Assignments

### Description of Assignments, Point Value and Rubrics

Reading assignments are listed in Course Schedule and Topic Outline. Additionally, any posted

articles/materials for reference posted in Canvas.

## IX. 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:**

Students will be evaluated by two examinations. Any and all question formats are possible for examinations including multiple choice, True/False, short answer, essay, fill in the blank, problem solving (case based). A weighted score of 70%, based on midterm at 40% and a final at 60% of the overall score, is required to pass the course. Students missing an examination or requiring special accommodations must contact the course director as soon as possible. If an absence is excused, re-examination consists of written essay, or oral format at the discretion of the course director.

No late admission to the exam after the beginning of the examination.

Remediation of any examination is at the discretion of the course director.

**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:**

Letter Grade

**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         |

## X. 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](mailto:agalka@nova.edu) with a cc to [cdmservices@nova.edu](mailto: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](mailto: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](mailto: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](mailto: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 hours
3. 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](mailto:marher@nova.edu)) to determine if they can participate in online courses during this time

## XI. 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](http://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](mailto:laura.bennett@nova.edu) or 954-262-7858.