



## *CDM 2120 - Oral and Maxillofacial Diagnosis I*

### I. Course Information

**Course:** CDM 2120 - Oral and Maxillofacial Diagnosis I  
**Semester and Year:** Winter 2021  
**Course Start and End Dates:** 01/04/2021 - 04/25/2021  
**Course Reference Number:** 31888  
**Semester Credit Hours:** 1.0  
**Building and Room:** Online Venue - CANVAS

### II. Instructor Information

**Professor:** Maritzabel Hogge  
**Email:** mg1161@nova.edu  
**Office Hours:**  
 8:30 am to 5:00 pm

### III. Class Schedule and Location

Day	Date	Time	Location	Building/Room
	01/04/2021 - 04/25/2021		Programs On- line	Online Venue- CANVAS
T	01/05/2021 - 04/20/2021	10:10 AM - 10:59 AM	Programs On- line	Online Venue- CANVAS

### IV. Course Description

The course presents the basic concepts of radiographic diagnosis including the clinical, etiological, histological, and radiographic aspects of common abnormalities of the dentomaxillofacial complex as detected on intraoral and panoramic radiographs. Emphasis is on the thorough understanding of normal clinical and radiographic appearances.

### V. Course Objectives / Learning Outcomes

#### Course Learning Outcomes

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

1. Recognize normal anatomy and variations of normal on intraoral and panoramic radiographs.
2. Use knowledge of pathophysiological patterns of disease to predict radiographic findings.
3. Interpret radiographs for common dental findings.
4. Evaluate panoramic radiographs for normal and abnormal findings related to the TMJ, maxillary sinuses, and soft tissue calcifications.

**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 CDM Competencies:** At the successful completion of pre-clinical radiography, the student will be able to:

1. Graduates must be competent in patient assessment, diagnosis, comprehensive treatment planning, prognosis, and informed consent. **(Formative assessment):** Quizzes, case-analysis midterm, **(Summative assessment):** final exam. **[CODA Predoctoral Standard 2-24(a)]**
  3. Graduates must be competent in recognizing the complexity of patient treatment and identifying when referral is indicated. **(Formative assessment):** Quizzes, case-analysis midterm, **[CODA Predoctoral Standard 2-24(c)]**
  16. Graduates must be competent in providing oral health care within the scope of general dentistry to patients in all stages of life. **(Formative assessment):** Quizzes, case-analysis midterm, **[CODA Predoctoral Standard 2-23]**
  19. Graduates must be competent in the application of biomedical science knowledge in the delivery of patient care. **(Formative assessment):** Quizzes, case-analysis midterm, **[CODA Predoctoral Standard 2-15]**
  24. Graduates must be competent in communicating and collaborating with other members of the health care team to facilitate the provision of health care. **(Formative assessment):** Quizzes, case-analysis midterm, **[CODA Predoctoral Standard 2-20]**
  26. Graduates must be competent in the use of critical thinking and problem-solving, including their use in the comprehensive care of patients, scientific inquiry and research methodology. **(Formative assessment):** case-analysis, quizzes, midterm. **(Summative assessment):** Final exam. **[CODA Predoctoral Standard 2-10]**
  27. Graduates must demonstrate competence in the ability to self-assess, including the development of professional competencies and the demonstration of professional values and capacities associated with self-directed, lifelong learning. **(Formative assessment):** Quizzes, case-analysis midterm, **[CODA Predoctoral Standard 2-11]** .
  28. Graduates must be competent to access, critically appraise, apply and communicate scientific and lay literature as it relates to providing evidence-based patient care. **(Formative assessment):** case presentation, quizzes. **(Summative assessment) :** Final exam. **[CODA Predoctoral Standard 2-18]**
- 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**

FK1-6: Apply knowledge of the mechanisms that regulate cell division and cell death, to explain normal and abnormal growth and development. (Encompasses Cell Biology, Physiology, Molecular Biology, Pathology, Cancer Biology, 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.

FK3-1: Apply knowledge of the principles of radiation to understand radiobiologic concepts and the uses of radiation in the diagnosis and treatment of oral and systemic conditions (Encompasses Basic and Oral Radiology, etc.).

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.).

FK6-1: Apply knowledge of cellular responses to injury, the underlying etiology, biochemical and molecular alterations and natural history of disease, to assess therapeutic intervention. (Encompasses Cellular and Molecular Pathology, General Pathology, etc.).

FK10-4: Apply knowledge of biomedical and health informatics, including data quality, analysis, and visualization, and its application to diagnosis, therapeutics, and characterization of populations and subpopulations. (Encompasses Dental Informatics, Evidence-Based Dentistry and Medicine, Health Informatics, etc.).

## VI. Materials and Resources

### Course Required Texts and Materials:

#### Required Texts:

1. White and Pharoah, *Oral Radiology Principles and Interpretation* . Principles and interpretation 7 ed. Elsevier

**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:** The amount of material given in class and canvas is composed of some cases from NSU-CDM patients and articles (evidence-based) that should be used in order to review and practice the subject

- 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	Topic	Content Outline-Reading Assignments	Instructor
1-5	Dental Caries/Quiz/ Case analysis presentation	Oral Radiology Chapter #18	Hogge
1-12	Periodontal Disease/Quiz/ Case analysis presentation	Oral Radiology Chapter #19	Hogge
1-19	Principles of Radiographic Interpretation Quiz/ Case analysis presentation	Oral Radiology Chapter #17	Mora

1-26	Dental Anomalies/Quiz/ Case analysis presentation	Oral Radiology Chapter #31	Hogge
2-2	Inflammation/Quiz/ Case analysis presentation	Oral Radiology Chapter #20	Hogge
2-9	Soft tissue calcifications/Quiz/ Case analysis presentation	Oral Radiology Chapter #26	Hogge
2-16	Midterm		
3-9	Cyst/Quiz/ Case analysis presentation	Oral Radiology Chapter #21	Hogge
3-16	Benign Tumors/Quiz/ Case analysis presentation	Oral Radiology Chapter #22	Mora
3-23	Malignant Tumors/Quiz/ Case analysis presentation	Oral Radiology Chapter #24	Hogge
3-30	Other bone diseases/Quiz/ Case analysis presentation	Oral Radiology Chapter #23	Hogge
4-13	Final Test		Hogge

**Topic Outline:**

Refer to course schedule.

**“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**

Case Analysis- PowerPoint Presentation: Students will be provided with radiographic cases and they have to select an evidence-based article that shows best practices for the diagnosis of the assigned case. Then students will create a PowerPoint presentation showing the specifics of the case assigned by the faculty and the findings from the evidence-based article that they selected for the case.

The presentation should be created in Power Point format and be 5 minutes in length.

The reading assignments are specified in the schedule and topics outline.

The course will be on-line using Zoom Software 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 scale**

- This course is letter graded A-F. A minimum score of C is required for passing.

**Grading Policy:**

Midterm 35%

Final Exam: 45%

Case analysis-Presentation: 10%

Quizzes: 10%

**Total: 100%**

**Presentation-Rubrics**

Points	PowerPoint Organization	AV Use	Delivery	Reference	Time Management
2	All key points are addressed: Clinical picture, radiographic images, radiographic characteristics, differential diagnosis, management	Detailed description of imaging: (pointing radiographic and clinical characteristics) Excellent understanding of the topic.	Presenters reflect excellent understanding of the subject (No reading off the slides). Students use a clear voice so that all members of the audience members hear the presentation	Articles follow the APA format. Articles support the radiographic appearance and treatment management	Do not exceed 5 minutes. Use of the time appropriately utilizing all resources.
1.5	All key points are addressed but not explained correctly upon questioning by faculty.	Adequate description of imaging ( some inaccuracies pointing the radiographic and clinical characteristics).	Adequate understanding of concepts (No reading off the slides). Student's voice is clear. Most audience members can hear the presentation.	Reference articles do not follow the APA format. Articles support radiographic appearance and treatment management	Time allocated for the presentation exceeds 5 minutes up to 7 min.
1.0	Information is inconsistently organized with missing of one of the key points	Missed description of radiographic or clinical characteristics. ( some inaccuracies pointing the radiographic and clinical characteristics).	Not clear understanding of the concepts. Frequently reading off the slides. Most audience members can hear the presentation.	Reference articles do not follow the APA format. Missing article reference with radiographic appearance or treatment management	

0.5	Information is not well organized with missing several key points	Missed description of radiographic or clinical characteristics	Reads off the whole presentation. Students speak very low. Audience members have difficulty hearing presentation.	Reference articles do not follow the APA format. Missing reference articles of radiographic appearance and treatment management	
0	The information is not well organized with missing all the key points	The students were unable to describe the clinical and radiographic images	Students read off the whole presentation. Students speak too quietly. Audience members can not hear the presentation.	There are no reference articles.	Presentation exceeds 7 minutes.
Points received					

No makeup quizzes will be given if the absence is unexcused. The student is responsible for all material from lectures, reading assignments regardless of excused or unexcused absences/lateness. Written exams may consist of multiple choice, True/False, fill-in, short answer, and/or identification type questions. Any cheating or inappropriate behavior during a written examination or quiz will not be tolerated. Please refer the appropriate sections of the NSU-CDM 2021-2022 Pre-doctoral Student Handbook. Students may request a review of their test within the time allocated by the faculty. **Challenge committee is not allowed in this course, all the students are allowed to come and review their exams on an individual basis.**

**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 clinicweeks. • 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

## 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.