



CDM 3241 - Comprehensive Treatment Planning

I. Course Information

Course: CDM 3241 - Comprehensive Treatment Planning
Semester and Year: Winter 2021
Course Start and End Dates: 01/04/2021 - 04/25/2021
Course Reference Number: 31887
Semester Credit Hours: 1.0

II. Instructor Information

Professor: Cesar Gonzalez Sainz
Email: cg1405@nova.edu
Office Hours:
 Wednesdays 8:30 AM-12:00 PM (by appointment)

III. Class Schedule and Location

Day	Date	Time	Location	Building/Room
W	01/06/2021 - 04/21/2021	11:10 AM - 11:59 AM	Ft Lauderdale/Davie Campus	-

IV. Course Description

This course is designed to continue with the didactics of comprehensive treatment planning. A multidisciplinary approach will provide the junior student with treatment planning concepts according to each specialty philosophy. Ultimately, the junior student will be able to successfully build and sequence structured multidisciplinary dental treatment plans in conjunction with the utilization of the electronic health record system 'axiUm' and its treatment planning module.

V. Course Objectives / Learning Outcomes

Course Learning Outcomes

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

1. Formulate patient's problems list based on:
 - Patients' assessment of periodontal, pulpal and periradicular status of all teeth.
 - Evaluation of conditions affecting the occlusal, masticatory and/or TMJ functions.
 - Assessment of conditions and oral manifestations of systemic diseases, tumors or growths that affect the oral and maxillofacial region.
 - Factors influencing dentofacial esthetics and function.
 - Behavioral factors affecting the oral health.
2. Make diagnostic decisions by interpreting and correlating findings from the history and the patient's interview, the clinical and radiographic examination, and other diagnostic tests.
3. Utilize critical thinking and problem solving skills.

4. Make clinical decisions based on evidence-based principles and considering the long-term impact of care on the patient.
5. Use proper scientific terminology when referring to patient problems, diagnosis, prognosis and treatment.
6. Identify the need for collaboration and communication with the various dental specialties with the purpose of elaborating multidisciplinary comprehensive treatment plans.
7. Initiate an appropriate medical consultation or referral to clarify any question(s) related to the patient's systemic health.
8. Develop, present, and discuss individual treatment plans considering all significant biological, psychological and socioeconomic patient factors.
9. Clearly communicate professional knowledge in a culturally appropriate manner to colleagues and patients verbally and in writing.
10. Orderly phase and sequence treatment modalities according to patient needs.
11. Identify the need for referral.
12. Establish treatment risks and benefits.
13. Educate patients concerning their risk factors and risk reduction strategies needed to prevent oral disease.
14. Provide dietary counseling relevant to oral health.
15. Evaluate the outcomes of treatment on an ongoing basis and modify treatment plans as appropriate.
16. Establish monitor and maintenance programs.
17. Utilize successfully the axiUm electronic treatment planning module which will ensure proper electronic documentation of treatment plans.

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:

CDM Competencies (as defined by NSU-CDM Predoctoral Competencies 2019)

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

[CODA Predoctoral Standard 2-24(a)]

Formative Assessments (Case Presentation/ Work sample), Summative Assessments (Final Exam).

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 Assessments (Case Presentation/Work sample) Summative Assessments (Final Exam).

4. Graduates must be competent in health promotion and disease prevention, including caries management.

[CODA Predoctoral Standard 2-24(d)]

Formative Assessments (Case Presentation/ Work sample), Summative Assessments (Final Exam).

15. Graduates must be competent in the evaluation of the outcomes of treatment, recall strategies, and prognosis.

[CODA Predoctoral Standard 2-24(o)]

Formative Assessments (Written Assignment, Case Presentation/ Work samples), Summative Assessments (Final Exam).

16. Graduates must be competent in providing oral health care within the scope of general dentistry to patients in all stages of life.

[CODA Predoctoral Standard 2-23]

Formative Assessments (Case Presentation/ Work sample), Summative Assessments (Final Exam).

21. Graduates must be competent in managing a diverse patient population and have the interpersonal and communications skills to function successfully in a multicultural work environment.

[CODA Predoctoral Standard 2-17]

Formative Assessments (Case Presentation/ Work sample); Summative Assessments (Final Exam).

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.

[CODA Predoctoral Standard 2-10]

Formative Assessments (Case Presentation); Summative Assessments (Final Exam).

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.

[CODA Predoctoral Standard 2-22]

Formative Assessments (Written Assignment, Case Presentation/ Work sample), Summative Assessments (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

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.).

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.

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.

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.).

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.

FK10-5: Apply elements of the scientific process, such as inference, critical analysis of research

design, and appreciation of the difference between association and causation, to interpret the findings, applications, and limitations of observational and experimental research in clinical decision-making using original research articles as well as review articles. (Encompasses Evidence-Based Dentistry, Applied Research, etc.).

VI. Materials and Resources

Course Required Texts and Materials:

"Treatment Planning in Dentistry" Stefanac SJ, Nesbitt SP. 2017, 3rd Edition, Mosby.

Please note that students will be responsible to cover the assigned reading material as per lecturer recommendation.

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:

Optional Readings:

"Decision Making in Dental Treatment Planning" Hall WB, Gluskin AH, Roberts WE and La Barre EE. 1998, 2nd Edition, Mosby.

Available in the HPD Library

- 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:

January 2021	January 06	Introduction to Comprehensive Treatment Planning	Dr. Gonzalez
January	13	Phases of the Treatment Plan	Dr. Gonzalez
January	20	Treatment Plan decisions based on Periodontal Evaluation	Dr. Virag
January	27	Treatment Plan decisions based on Endodontic Evaluation	Dr Seltzer
February 2021	February 03	Treatment Plan decisions based on Orthodontic Evaluation	TBD
February	10	Tooth restorability based on Assessment	Dr. Gonzalez
February	17	Material Selection in Treatment Planning	Dr. Duarte
February	24	No Class (ASDA day)	
March 2021	March 03	No Class (Spring Break)	
March	10	Fixed Partial Denture vs Implants	Dr. Pagani
March	17	Treatment for fully edentulous patients.	Dr. Duarte
March	24	Bite Collapse	Dr. Radu
March	31	Multidisciplinary Dental Treatment	Dr. Gonzalez
April 2021	April 07	Treatment Outcomes Assessment	TBD
April	14	Final Exam	
April	21	Make ups/ Retakes	

Topic Outline:

*Introduction to Comprehensive Treatment Planning

- *Phases of the Treatment Plan
- *Treatment Plan decisions based on Periodontal Evaluation
- *Treatment Plan decisions based on Endodontic Evaluation
- *Treatment Plan decisions based on Orthodontic Evaluation
- *Tooth restorability based on Assessment
- *Material Selection in Treatment Planning
- *Fixed Partial Denture vs Implants
- *Treatment for fully edentulous patients.
- *Bite Collapse
- *Multidisciplinary Dental Treatment
- *Treatment Outcomes Assessment

“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 from " Treatment Planning in Dentistry" Stefanic, SJ, Nesbitt,SB. See required text.
- Every student in the class is required to submit a case presentation. . Use of proper terminology is extremely important. A digital copy of the presentation must be submitted to the course director by a date set by the instructor in class.

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:

- • Attendance is mandatory. Only excused absences will be accepted to grant a waiver of a class.
- As this is a presentation course, with interaction between faculty-students and student-students, it is imperative students pay attention to the presenter therefore no electronic devices will be allowed to be used in class unless the student is taking notes. The exceptions are cell phones, only for emergencies, and they must be placed in vibrate or silent mode during class.
- Every student in the class is expected to submit a case presentation. A digital copy of the presentation must be submitted to the course director by a date set by the instructor in class.
- The final written examination will consist of a multiple choice and a case report along with clinical photographs and radiographs. Students will be expected to properly diagnosis, explain all etiologies, prognosis, develop optimal and alternative treatment plans and properly sequence such treatment. Students will also need to submit an article, found from the dental literature, to justify their treatment and describe the level of evidence of that particular case report, study, etc.

- Refer to the didactic course outline for test date. Please note that the course director, as per course needs, can modify the didactic course outline and schedule at any time.
- Students will receive a grade in the course based on the following:
 - • Students will receive a grade in the course based on the following:
 - **CASE PRESENTATION:** **20% (20 points)**
 - **FINAL EXAM** **80%**

100% Grading Rubric for Case Presentation

	Unacceptable	Basic	Acceptable	Accomplished	Exemplary	Score
Content	Content is inaccurate and/or information is not presented in a logical order making it difficult to follow. (2.0 point)	Content is questionable and/or information is not presented in a logical order making it difficult to follow. (4.0 points)	Content is accurate but information is not presented in a logical order making it difficult to follow. (6.0 points)	Content is accurate but some information is not presented in a logical order but is still generally easy to follow. (8.0 points)	Content is accurate and information is presented in a logical order and using evidence based dentistry (10.0 points)	
Slide Creation	Presentation has no flow. No tools used. Insufficient number of slides for case presentation. (1.0 point)	Presentation is unorganized. Tools are not used in a relevant manner. Lacking in number of slides for the case presentation. (2.0 points)	Presentation flows well. Some tools used to show acceptable understanding. Sufficient number of slides for case presentation. (3.0 points)	Presentation flows well. Tools used correctly. Sufficient number of slides for case presentation. Overall presentation is interesting. (4.0 points)	Presentation flows well and logically. Presentation reflects extensive use of tools in a creative way. Sufficient number of slides for case presentation. (5.0 points)	
Pictures, Clip Art, and Background	No images. (0 point)	Some images are inappropriate. (0.5 point)	Most images are appropriate. (1.0 point)	Images are appropriate. Layout is cluttered. (1.5 points)	Images are appropriate. Layout of images is pleasing to the eye. (2.0 points)	

Mechanics	Many spelling errors and/or text is copied. (0 point)	Some spelling errors. Some grammar errors. Most of text is in author's own words. (0.5 point)	Some spelling errors. Some grammar errors. Text is in author's own words. (1.0 points)	Few spellings error. Text is in author's own words. (2.0 points)	No spelling errors. No grammar errors. Text is in author's own words. (3.0 points)	
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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%202020%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

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. 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.