



CDM 3530 - Evidence Based Dentistry in Clinical Practice

I. Course Information

Course: CDM 3530 - Evidence Based Dentistry in Clinical Practice
Semester Credit Hours: 1.0
Course CRN and Section: 24036 - D01
Semester and Year: Fall 2021
Course Start and End Dates: 07/26/2021 - 12/12/2021
Building and Room: HPD-Assembly I Building - 2104FINK

II. Instructor Information

Professor: Dr. Jeffrey Y Thompson
Email: jeffthom@nova.edu
Phone: 954-262-7395
Office Hours:
 Tuesday and Thursday, 10:00 - 11:00 am

III. Class Schedule and Location

Day	Date	Time	Location	Building/Room
M	07/26/2021 - 08/30/2021	7:50 AM - 8:40 AM	Ft Lauderdale/Davie Campus	HPD-Assembly I Building- 2104FINK
M	09/13/2021 - 12/06/2021	7:50 AM - 8:40 AM	Ft Lauderdale/Davie Campus	HPD-Assembly I Building- 2104FINK

IV. Course Description

Evidence Based Dentistry in Clinical Practice: The importance of evidence-based care and the general principles of clinical decision making will be covered during these lecture series. During the different lectures, published articles are analyzed and used to explain every concept that is present. This course will receive a grade.

V. Course Objectives / Learning Outcomes

Course Learning Outcomes

Upon completion of the curriculum based upon the primary educational goals and the program content, the predoctoral student should be able to accomplish the following:

Use critical thinking and problem solving related to the comprehensive care of patients.

Use contemporary information technology resources in dental practice.

Evaluate published clinical and basic science research, in order to apply an evidence-based approach and experience in clinical decision-making.

Communicate professional knowledge clearly to colleagues and patients verbally and in writing.

Recognize the role of lifelong learning and self-assessment in maintaining competency
Recognize the availability and effectiveness of resources and services within the community to promote oral health and prevent oral disease.

Educate patients concerning their risk factors and risk reduction strategies needed to prevent oral disease.

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 as it appears on the competency document. For each competency indicate the type of assessment (formative or summative) that will be employed to measure the attainment of the competency.

Core Competencies:

Related Competencies/ CODA Predoctoral Standard

Graduates must be competent in:

- 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: Midterm exam; Summative Assessment: Final exam*
 - 21. Graduates must be competent in managing a diverse patient population and have the interpersonal and communication skills to function successfully in a multicultural work environment. [CODA Predoctoral Standard 2-17]. *Formative Assessment: Midterm exam; Summative Assessment: Final exam*
 - 24. Graduates must be competent in communicating and collaborating with other members of the health care team to facilitate the provision of health care. [CODA Predoctoral Standard 2-20]. *Formative Assessment: Midterm exam; Summative Assessment: Final exam*
 - 25. Graduates must be competent in the application of the principles of ethical decision making and professional responsibility. [CODA Predoctoral Standard 2-21]. *Formative Assessment: Midterm exam; Summative Assessment: 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 Assessment: Midterm exam; Summative Assessment: 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 Assessment: Midterm exam; Summative Assessment: Final exam*
- This refers to the same as the items in the CDM Competency Document

FOUNDATION KNOWLEDGE STATEMENTS FOR THE GENERAL DENTIST

FK10: Apply quantitative knowledge, critical thinking, and informatics tools in the prevention, diagnosis, and management of oral disease and the promotion and maintenance of oral health.

VI. Materials and Resources

Course Required Texts and Materials: All required materials will be provided by the instructor(s) and uploaded to canvas prior to the lecture(s) they are associated with.

Faculty Note: Please indicate the textbooks that are **required** for the class and if available, hyperlinks 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:

1. Forrest J, Miller SA, Overman PR, Newman MG. **Evidence-Based Decision Making. A translation guide**

- for dental professionals.** Lippincott Williams & Wilkins. Philadelphia, PA, 2009.
2. Brunette, DM. **Critical Thinking. Understanding and Evaluating Dental Research.** Quintessence Publishing CO, Inc. Chicago, 1996.
 3. Hully, SB, Cummings, SR, Browner WS, Grady DG, Newman TB. **Designing Clinical Research.** Baltimore, MD: Wolters Kluwer, Lippincott Williams & Wilkins, 2013.
 4. Hackshaw A, Paul E, Davenport E. **Evidence based dentistry - An Introduction.** Blackwell Munksgard Publishers, 2006.
 5. McKibbin A, Eady A, Marks S. **Evidence based principles and practice.** PDQ series. B.C Decker Inc, 1999.
 6. ADA Center for Evidence Based Dentistry <http://ebd.ada.org/Resources.aspx>
 7. Lectures handouts
 8. Course syllabus
- 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:

EVIDENCE-BASED DENTISTRY (EBD) IN CLINICAL PRACTICE CDM 3530			
SESSION	DATE	Lecture (All Lectures & Instructors are Subject to Change)	Instructor
1	2-Aug-21	Introduction, history, and rationale of evidence-based care	Dr. Thompson
2	9-Aug-21	Epidemiological studies: descriptive and analytic	TBD
3	16-Aug-21	General considerations of the usefulness of epidemiological studies	TBD
4	23-Aug-21	Measures of disease frequency, association and treatment effect	TBD
5	30-Aug-21	Concepts of measurement: Basic principles, reliability, and validity	TBD
6	6-Sept-21	No Class - Labor Day Holiday - NSU Closed	
7	13-Sept-21	Relevancy in clinical practice of EBD concepts	TBD
8	20-Sept-21	Factors to ensure the reliability and validity	TBD
9	27-Sept-21	General applications of EBD concepts	TBD
10	4-Oct-21	Defining and answering research questions	TBD
11	11-Oct-21	Midterm Exam	Dr. Thompson
12	18-Oct-21	Analysis of journal articles: accessing, finding the best available evidence, and reading research articles. Common resources to find scientific information.	TBD
13	25-Oct-21	General concepts of statistics I: scales, variables, and descriptive statistics	TBD
13	1-Nov-21	General concepts of statistics II: statistical inference and statistical tests	TBD
14	8-Nov-21	Course Review	Dr. Thompson
15	15-Nov-21	Final Exam	Dr. Thompson

Topic Outline:

All topics and their sequencing are subject to change. Materials for each lecture will be provided and posted to canvas prior to the presentation of that lecture.

“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

N/A

IX. Assignments

Description of Assignments, Point Value and Rubrics

There will be a midterm exam and a final exam.

Midterm Exam: 50% of final grade

Final Exam: 50% of final grade

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:

Important Information: In order to obtain a passing grade in this class. Students must complete all the assignments and obtain a minimum of 70%.

midterm exams (50%) and, final exam (50%).

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.

Final Course Grade:

Letter Grade. Students must complete all the assignments and obtain a minimum of 70%.

Numerical grade to be converted using conversion chart below.

Course Grading Scale

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

XI. Course Policies

COURSE ATTENDANCE REQUIREMENTS, REMEDIATION POLICY, ALL CDM POLICIES

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

Link to the handbook:

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

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

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

CDM College Attendance Policy Please note that, the Office of Admissions, Student Affairs and Services manages excused absences including sick days, mission trips, dental meetings, externships, interviews, family events, and other personal leave time, etc. and all student absences will continue to be tracked in axiUm. (Please refer to NSU Wide Religious Holidays Policy in the Student Handbook.) • Planned excused absences: please fill out the appropriate paperwork, with backup documentation (e.g. physician's note), and submit on the online portal for the Office of Student Services prior to the scheduled absence, so that we can approve the leave time, and help you map out a plan to make up the work. It is the student's responsibility to inform the course director for any courses you will be missing, your team leader for any clinic sessions that will be missed and/or the Coordinator of Extramural Programs (Dr. Mairelina Godoy), etc. of your planned absence(s). • Unplanned excused absences: please email Dr. Galka at agalka@nova.edu with a cc to cdmservices@nova.edu to report that you will be out, the reason for your absence and to also let us know if you plan to return to school the following day. You should also email the course director for any courses you will be missing, Dr. Mairelina Godoy mg1189@nova.edu for any rotations you will be missing and/or your team leader for any clinic sessions scheduled for that day. You must continue to email us daily to keep us updated if you will be out additional days and you can submit your SREA form together with backup documentation when you know the date you will return to school. • The student will be responsible for making up all missed rotations, all material presented in lectures, all laboratory projects, all written and practical examinations (including OSCEs) and must fulfill all didactic and clinical responsibilities as outlined in the individual course syllabi. Also, please review the attendance policy in the individual course syllabi. • Please do not schedule externships or interviews when you are scheduled for an examination or rotation. • Remember, it is your responsibility to reach out to our office for any unexcused absences to see if these fall under excused absences and/or to see how the unexcused absence will be managed. Also, please contact Dr. Mairelina Godoy directly to arrange makeup of any and all missed rotations, which will take place during optional 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 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) to determine if they can participate in online courses during this time

XII. University Policies

Section XII. University Policies:

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.

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>