



## *CDM 1025 - Dental Biochemistry & Nutrition*

### I. Course Information

**Course:** CDM 1025 - Dental Biochemistry & Nutrition  
**Semester and Year:** Fall 2021  
**Course Start and End Dates:** 07/26/2021 - 12/12/2021  
**Course Reference Number:** 23932  
**Semester Credit Hours:** 5.0  
**Building and Room:** HPD-Assembly I Building - 2101TERY

### II. Instructor Information

**Professor:** Katelyn Jo Carnevale  
**Email:** kcarneva@nova.edu  
**Office Hours:**  
 Office hours are by appointment. Please email faculty members to set up an appointment.

### III. Class Schedule and Location

Day	Date	Time	Location	Building/Room
M	08/02/2021 - 08/30/2021	10:10 AM - 10:59 AM	Ft Lauderdale/Davie Campus	HPD-Assembly I Building- 2101TERY
T	08/03/2021 - 10/05/2021	12:10 PM - 1:59 PM	Ft Lauderdale/Davie Campus	HPD-Assembly I Building- 2104FINK
W	08/04/2021 - 08/04/2021	10:10 AM - 10:59 AM	Ft Lauderdale/Davie Campus	HPD-Assembly I Building- 2106JONA
R	08/05/2021 - 11/18/2021	1:10 PM - 1:59 PM	Ft Lauderdale/Davie Campus	HPD-Assembly I Building- 2101TERY
W	08/11/2021 - 12/08/2021	10:10 AM - 10:59 AM	Ft Lauderdale/Davie Campus	HPD-Assembly I Building- 2107AUDA
M	09/13/2021 - 10/04/2021	10:10 AM - 10:59 AM	Ft Lauderdale/Davie Campus	HPD-Assembly I Building- 2101TERY
M	10/11/2021 - 11/15/2021	10:10 AM - 11:59 AM	Ft Lauderdale/Davie Campus	HPD-Assembly I Building- 2101TERY

T	10/12/2021 - 11/02/2021	1:10 PM - 1:59 PM	Ft Lauderdale/Davie Campus	HPD-Assembly I Building- 2101TERY
R	12/02/2021 - 12/09/2021	1:10 PM - 1:59 PM	Ft Lauderdale/Davie Campus	HPD-Assembly I Building- 2101TERY

#### IV. Course Description

This course is intended to be a clinically relevant course in biochemistry. This means that: Clinical correlations will be included to provide a clinical perspective on diseases/conditions with known biochemical mechanisms. Genetics, receptors and signaling pathways will be the focus of several lectures with an emphasis on clinical applications. The control of metabolism will be emphasized. We will often leave out details of pathways, structures, or enzyme mechanisms offered in other biochemistry courses but less directly relevant to metabolic control, hormone action, or clinical practice. The importance of nutrition in the dental health and development of humans will be addressed. The digestion, absorption, biochemical roles, and therapeutic potentials of some foodstuffs and their constituents will be covered. Finally, special situations, such as edentulism, caries, oral surgery, chemo- and radiotherapy will be characterized in the context of special nutritional needs.

#### V. Course Objectives / Learning Outcomes

##### Course Learning Outcomes

Upon successful completion of this course, the student should display a basic knowledge of biochemistry, including: 1. the major metabolic pathways, their regulation and interrelationships, 2. human requirements for, and roles of, nutrients. Students will thereby be prepared for the study of physiology, microbiology, pathology, pharmacology and the remaining curriculum in dental medicine, congruent with the following competencies.

**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:

**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: Class participation and group discussion. Summative: Multiple choice exam.

**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. [CODA Predoctoral Standard 2-11]**

Formative: Class participation and group discussion. Summative: Multiple choice exam.

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

Formative: Class participation and group discussion. Summative: Multiple choice 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: Class participation and group discussion.

- 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: Apply knowledge of molecular, biochemical, cellular, and systems-level development, structure and function to the prevention, diagnosis, and management of oral disease and the promotion and maintenance of oral health.

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: 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.

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.

## VI. Materials and Resources

### Course Required Texts and Materials:

All are accessible and free online through the NSU Library (links below) or in hardcopy at the HPD Library's circulation desk, or for purchase at the NSU bookstore and other places books are sold.

- Ferrier, D. R., Lippincott Illustrated Reviews: Biochemistry, 7<sup>th</sup> ed. 2017  
<https://meded-lwwhealthlibrary-com.ezproxylocal.library.nova.edu/book.aspx?bookid=1988>
- Lieberman, M, & Peet, A, Marks' Basic Medical Biochemistry, 5<sup>th</sup> ed. 2017.  
<https://meded-lwwhealthlibrary-com.ezproxylocal.library.nova.edu/book.aspx?bookid=2170>
- Victor W. Rodwell, David A. Bender, Kathleen M. Botham, Peter J. Kennelly, P. Anthony Weil  
Harper's Illustrated Biochemistry, 31<sup>st</sup> ed. 2018  
<https://accessmedicine-mhmedical-com.ezproxylocal.library.nova.edu/book.aspx?bookid=2386>
- Jameson, J.L., *et al.* Harrison's Principles of Internal Medicine, 20<sup>th</sup> ed. 2018  
<https://accessmedicine-mhmedical-com.ezproxylocal.library.nova.edu/Book.aspx?bookid=2129>

**Faculty Note:** Please indicate the textbooks that are **required** for the class and if available, a hyperlink to the textbook. Also, indicate if there are articles or links to **required readings** that are required for the class *and* the site where the articles are available for the student (such as: Canvas, library, database).

### Course Supplemental Materials:

Additional supplemental reading and resources will be provided on Canvas on a lecture-by-lecture basis from each faculty member.

- 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:**

CDM1025 Fall 2021 (\*subject to change without notice)

Date	Time	Day	TOPIC	Lecturer	Location
2-Aug	10AM	M	Intro. Dent. Biochem	Carnevale	HPD 2101 (Terry)
3-Aug	12PM	T	Water & Buffers	Carnevale	HPD 2104 (Finkel)
3-Aug	1PM	T	Intro to Biopolymers I	Carnevale	HPD 2104 (Finkel)
4-Aug	10AM	W	Intro to Biopolymers II	Carnevale	HPD 2106 (Jonas)
5-Aug	1PM	R	Intro Protein	Venkatachalam	HPD 2101 (Terry)
9-Aug	10AM	M	Enzymes I	Venkatachalam	HPD 2101 (Terry)
10-Aug	12PM	T	Enzymes II	Venkatachalam	HPD 2104 (Finkel)
10-Aug	1PM	T	MbHb I	Venkatachalam	HPD 2104 (Finkel)
11-Aug	10AM	W	MbHb II	Venkatachalam	HPD 2107 (Aud A)
12-Aug	1PM	R	Intro Metabolism	Carnevale	HPD 2101 (Terry)
16-Aug	10AM	M	CHO Metabolism I	Venkatachalam	HPD 2101 (Terry)
17-Aug	12PM	T	CHO Metabolism II	Venkatachalam	HPD 2104 (Finkel)
17-Aug	1PM	T	CHO Metabolism III	Venkatachalam	HPD 2104 (Finkel)
18-Aug	10AM	W	Glycogen I	Venkatachalam	HPD 2107 (Aud A)
19-Aug	1PM	R	Glycogen II	Venkatachalam	HPD 2101 (Terry)
23-Aug	10AM	M	TCA & OxPhos I	Venkatachalam	HPD 2101 (Terry)
24-Aug	12PM	T	**EXAM 1** (90 minutes)	--	HPD 2104 (Finkel)
25-Aug	10AM	W	TCA & OxPhos II	Venkatachalam	HPD 2107 (Aud A)
26-Aug	1PM	R	TCA & OxPhos III	Carnevale	HPD 2101 (Terry)
30-Aug	10AM	M	Fatty Acids/TGs I	Venkatachalam	HPD 2101 (Terry)
31-Aug	12PM	T	Fatty Acids/TGs II	Venkatachalam	HPD 2104 (Finkel)
31-Aug	1PM	T	Cholesterol	Venkatachalam	HPD 2104 (Finkel)
1-Sep	10AM	W	Eicosanoids	Venkatachalam	HPD 2107 (Aud A)
2-Sep	1PM	R	Plasma Lipoproteins	Carnevale	HPD 2101 (Terry)

6-Sep	10AM	M	LABOR DAY	**NO CLASS**	N/A
7-Sep	12PM	T	Amino Acids I	Venkatachalam	HPD 2104 (Finkel)
7-Sep	1PM	T	Amino Acids II	Venkatachalam	HPD 2104 (Finkel)
8-Sep	10AM	W	Purines & Pyrimidines I	Carnevale	HPD 2107 (Aud A)
9-Sep	1PM	R	Purines & Pyrimidines II	Venkatachalam	HPD 2101 (Terry)
13-Sep	10AM	M	Purines & Pyrimidines III	Venkatachalam	HPD 2101 (Terry)
14-Sep	12PM	T	DNA Replication I	Venkatachalam	HPD 2104 (Finkel)
14-Sep	1PM	T	DNA Replication II	Venkatachalam	HPD 2104 (Finkel)
15-Sep	10AM	W	RNA Synthesis	Venkatachalam	HPD 2107 (Aud A)
16-Sep	1PM	R	Protein Synthesis I	Venkatachalam	HPD 2101 (Terry)
20-Sep	10AM	M	Protein Synthesis II	Venkatachalam	HPD 2101 (Terry)
21-Sep	12PM	T	Intro Genetics I	Carnevale	HPD 2104 (Finkel)
21-Sep	1PM	T	Intro Genetics II	Carnevale	HPD 2104 (Finkel)
22-Sep	10AM	W	Heme Metabolism	Griffin	HPD 2107 (Aud A)
23-Sep	1PM	R	Red Cell Metab.	Carnevale	HPD 2101 (Terry)
27-Sep	10AM	M	Hemostasis I	Griffin	HPD 2101 (Terry)
28-Sep	12PM	T	**EXAM 2** (110 minutes)	--	HPD 2104 (Finkel)
29-Sep	10AM	W	Hemostasis II	Griffin	HPD 2107 (Aud A)
30-Sep	1PM	R	Hemostasis III	Griffin	HPD 2101 (Terry)
4-Oct	10AM	M	Hemostasis IV	Griffin	HPD 2101 (Terry)
5-Oct	12PM	T	CytP450	Carnevale	HPD 2104 (Finkel)
5-Oct	1PM	T	Steroid Metabolism I	Venkatachalam	HPD 2104 (Finkel)
6-Oct	10AM	W	Steroid Metabolism II	Venkatachalam	HPD 2107 (Aud A)
7-Oct	1PM	R	Steroid Metabolism III	Venkatachalam	HPD 2101 (Terry)
11-Oct	10am	M	Endocrinol: Thyroid	Venkatachalam	HPD 2101 (Terry)
11-Oct	11am	M	Endocrinol: Calcium	Campbell	HPD 2101 (Terry)
12-Oct	1pm	T	Pancreatic Peptides	Carnevale	HPD 2101 (Terry)
13-Oct	10am	W	Hypothal. Pituitary	Carnevale	HPD 2107 (Aud A)
14-Oct	1pm	R	Integration Metab.	Carnevale	HPD 2101 (Terry)

18-Oct	10am	M	Macronutrients I CHO/Fat	Carnevale	HPD 2101 (Terry)
18-Oct	11am	M	Macronutrients II Protein	Carnevale	HPD 2101 (Terry)
19-Oct	1pm	T	FS Vitamins	Carnevale	HPD 2101 (Terry)
20-Oct	10am	W	WS Vitamins	Carnevale	HPD 2107 (Aud A)
21-Oct	1pm	R	Trace Elements	Carnevale	HPD 2101 (Terry)
25-Oct	10am	M	<b>**EXAM 3**</b> (90 minutes)	--	HPD 2101 (Terry)
26-Oct	1pm	T	Iron Metabolism	Carnevale	HPD 2101 (Terry)
27-Oct	10am	W	Non-nutritive Sweeteners	Venkatachalam	HPD 2107 (Aud A)
28-Oct	1pm	R	Fluoride	Carnevale	HPD 2101 (Terry)
1-Nov	10am	M	Nutrition and Dental Problems I	Ahmadi	HPD 2101 (Terry)
1-Nov	11am	M	Nutrition and Dental Problems II	Carnevale	HPD 2101 (Terry)
2-Nov	1pm	T	PhosCal	Campbell	HPD 2101 (Terry)
3-Nov	10am	W	Muscle Contraction	Campbell	HPD 2107 (Aud A)
4-Nov	1pm	R	Connective Tissue	Carnevale	HPD 2101 (Terry)
11-Nov	1pm	R	<b>**FINAL (EXAM 4)**</b> (110 minutes)	--	HPD 2101 (Terry)

CDM1025 Fall 2021 (\*subject to change without notice)

\*on Oct. 11th the schedule shifts from 2 consecutive lecture hours on Tuesdays to 2 consecutive lecture hours on Monday, for the rest of the semester.

Schedule Notes:

- For each exam, there will be approximately 3 questions from each lecture hour (with approximately one per lecture being a clinical correlation question).
- The final is cumulative – meaning ~1 question will come from each lecture hour that was previously examined, and 3 questions will come from each unexamined lecture hour
- (~90 questions on the final), unless otherwise notified.
- This schedule is subject to change.

### Topic Outline:

#### Exam 1 Material:

- **Introduction to Dental Biochemistry:** Introductory overview of the functions and biochemical compositions of structures of the mouth.
- **Introduction to Water, Acids, Bases and Buffers:** Describes the physical and chemical properties of water, the formation of hydrogen bonds, and the role of buffers in biochemistry and physiology.
- **Introduction to Biopolymers I & II:** Introduces the concept of biochemical building blocks and the structure and functions of the macroscopic chemicals that are formed in the body (such as amino acids to proteins, fatty acids to lipids, and sugars to carbohydrates and nucleotides to nucleic acids,

including deoxyribonucleic acid (DNA) and ribonucleic acid (RNA)). And introduces the structures, functions, and ionization of the amino acids.

- **Introduction to Proteins:** Introduces the structure, function, and classification of proteins.
- **Enzymes 1 & 2:** Introduces the classification, kinetics, and inhibition of enzymes.
- **Myoglobin, Hemoglobin 1 & 2:** Describes the structure, function, and pathology of these oxygen storage and transport proteins.
- **Introduction to Metabolism:** Introduces the major concepts of metabolism and its regulation, thermodynamics, and basic cell biology.
- **Carbohydrate Metabolism 1 (2 & 3):** The pathways of glycolysis, gluconeogenesis, the pentose phosphate pathway; and the metabolism of other selected mono- and disaccharides, homo- and heteropolysaccharides.
- **Glycogen Metabolism 1 (& 2):** The structure and function of glycogen, and the regulation of glycogen metabolism

#### **Exam 2 Material:**

- **TCA Cycle & Oxidative Phosphorylation (OxPhos) 1 (2 & 3):** A detailed examination of the pathways of oxidative metabolism, including anaplerotic functions of the TCA cycle, and the role of uncouplers of OxPhos.
- **Lipid Metabolism (Fatty Acids & Triacylglycerols) 1 & 2:** A detailed examination of the energy producing pathways of lipid metabolism, including fatty acid synthesis and degradation, triacylglycerol metabolism, and the hormonal regulation of these pathways.
- **Lipid Metabolism (Cholesterol):** Synthesis and control of cholesterol metabolism.
- **Plasma Lipoproteins:** The metabolism and interactions of plasma lipoproteins.
- **Lipid Metabolism (Eicosanoids & Sphingolipids):** Synthesis and control of eicosanoid & sphingolipids metabolism.
- **Amino Acid Metabolism 1 & 2:** A detailed examination of the processes of amino acid synthesis and breakdown, conversion of amino acids into other physiologically important molecules, the function of folate, and inborn errors of amino acid metabolism and a detailed examination of the processes of urea formation.
- **Purine and Pyrimidine Metabolism 1 (2 & 3):** The synthesis and breakdown of the purines and pyrimidines, the generation of the substrates for DNA and RNA synthesis, and associated pathologies.
- **DNA Replication, Metabolism 1 & 2:** A detailed examination of the processes of DNA replication and repair.
- **RNA Synthesis & Processing:** A detailed examination of the processes of RNA synthesis and RNA processing.
- **Protein Synthesis 1 & 2:** A detailed examination of protein synthesis

#### **Exam 3 Material:**

- **Introduction to Genetics 1 & 2:** Introduces the basic concepts of genetics, inheritance, and genetic diseases.
- **Heme Metabolism:** An introduction to the synthesis and breakdown of heme, and some disorders of heme metabolism
- **Red Cell Metabolism:** An in-depth look at the biochemical structure, function and life cycle of red blood cells.
- **Hemostasis 1-4:** A detailed coverage of the pathways of blood clotting, including platelet function, normal and abnormal clotting mechanisms, and the genetics of some clotting disorders
- **Cytochromes P-450:** An overview of the role of the CYP450's in metabolic and detoxification reactions, and the potential for dangerous drug interactions mediated by this family of enzymes.
- **Endocrinology (Thyroid):** Structure, function, and pathology of the thyroid gland, and the functions of the thyroid hormones
- **Endocrinology (Calcium Metabolism):** The hormones that control calcium metabolism, their synthesis, structure and function.
- **Endocrinology (Steroid Hormones) 1 (2 & 3):** The synthesis, secretion, circulation, and effects of the major steroid hormones

- **Endocrinology (Pancreatic Peptides: Insulin, Glucagon, etc.):** The synthesis, secretion, circulation, and metabolic effects of pancreatic peptides.
- **Endocrinology (Hypothalamus & Pituitary):** The regulation and secretions of the hypothalamus & pituitary organs and the metabolic effects of their metabolites on other tissues and biochemical processes.

**New Material for Cumulative Final Exam:**

- **Integration of Metabolism and Starvation:** Uses the example of starvation to demonstrate the complexities of metabolic pathway interactions; includes a brief overview of refeeding syndrome.
- **Macronutrition 1 & 2:** Discussion of carbohydrates, proteins and lipids in the diet, including types and importance of dietary fiber, fats, and complete and incomplete proteins, with attention to their roles in dental health.
- **Micronutrients: Trace Minerals:** Discussion of some of the minerals required in small amounts in the diet, with emphasis on those known to be of importance in dental development and health.
- **Micronutrients: Water-Soluble Vitamins:** Discussion of occurrence, bioavailability, metabolism, and excretion of water-soluble vitamins
- **Micronutrients: Fat-Soluble Vitamins:** Discussion of occurrence, bioavailability, metabolism and toxicity, due to storage, of fat-soluble vitamins
- **Iron Metabolism:** Discussion of occurrence, bioavailability, and metabolism of iron and similar minerals.
- **Non-nutritive Sweeteners:** Chemical properties and metabolic consideration of sugar-imitating artificial sweeteners and sugar alcohols.
- **Fluoride Biochemistry and Community Water Fluoridation (CWF):** Metabolism of fluoride, dental fluorosis and the value and societal implications of CWF to dental, and general, health.
- **Nutrition and Dental Problems 1 & 2:** Discussion of the properties of food that contribute to cariogenicity or carioprotectiveness, including fermentability, buffering capacity, mechanical and bacteriostatic properties.
- **Phosphate and Calcium:** Discussion of occurrence, bioavailability and metabolism of calcium and phosphate, with attention to their relationships to mineralization.
- **Muscle Contraction:** Molecular mechanisms of organized cellular movement.
- **Connective Tissue:** Synthesis and modifications of collagen, and the periodontal ligament.

**“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**

**Didactic lecture sessions and/or examinations may occur virtually over Zoom, if needed. This will be announce well in advance by the course director via Canvas and in class announcements, under advisement of the CDM administration.**

## IX. Assignments

**Description of Assignments, Point Value and Rubrics**

An optional extra credit assignment *may* be announced towards the end of the course.

## 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:**



Exam scores will be used to calculate final letter grades for the course (see below).

**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:**

There will be **four scheduled written exams.**

*\*Exams will be taken electronically in ExamSoft/Examplify on each students' own iPad or computer, having been appropriately configured prior to the examination period. Exams will be conducted either in person on NSU's Davie Campus or may be proctored via Zoom (on a secondary smart phone, tablet or computer from the one used for taking the exam), as determined by the course director and CDM administration.*

*\*\*If virtual exam proctoring is announced, each student is responsible for making appropriate arrangements for a suitable/quiet/secure testing space well in advance of the exam, either within their own residence or by contacting the Course Directors or CDM student affairs, ahead of the exam.*

- > Each Exam will cover material in the textbooks, lectures and handouts available on Canvas.
- > Questions may be multiple-choice or may require a short written response.
- > The points will be distributed as follows: Three exams, plus a cumulative final, **each exam worth 100 points.**

**I. Your grade in the course will be the average of those four exam scores.**

**OR**

**II. Because it is cumulative, your final exam grade *may* serve as your grade in the course, if it is higher than your course average.**

- > Students are required to take each examination at the assigned time. Students who enter the Exam session after the announcement of the start of an examination may not be allowed to take the test.
- > Students who have an unexcused absence from an examination will not be given a make-up test, but will be given a grade of zero for the exam.
- > Students who have an excused absence will be allowed a make-up test to be given within 10 business days following the date of the missed examination. The make-up exam may not be in the same form as the original missed exam (i.e. may be essay style, etc.).

>> Student who are eligible to take a make-up exam will be asked to sign an honor code agreement that they have not talked to any students who have taken the originally scheduled exam, prior to taking the make-up exam.

### **Course Grading Scale**

<b>Letter Grade</b>	<b>GPA</b>	<b>Equivalence</b>
<b>A</b>	4	93 to 100
<b>A-</b>	3.75	90 to < 93
<b>B+</b>	3.5	86 to < 90
<b>B</b>	3	83 to < 86
<b>B-</b>	2.75	80 to < 83
<b>C+</b>	2.5	76 to < 80
<b>C</b>	2	70 to < 76
<b>F</b>	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](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<sup>3</sup>. If a student tests positive for COVID-19: remain self-isolated. To return to school: student needs to have 2 consecutive negative test results in a row (at least 24 hours apart). 4. Students who are in quarantine, need to contact both Dr. Galka and Dr. Hernandez (marher@nova.edu) to determine if they can participate in online courses during this time

## XII. University Policies

**Academic Integrity:** Cheating or inappropriate behavior during any written examination, quiz, any assignment, any project; plagiarism of any work(s), or other unethical behavior will not be tolerated; the student risks receiving a grade of zero (0) for said examination, quiz, assignment, project and may be referred to the Associate Dean for Academic Affairs and the Student Progress Committee. Please refer to appropriate pages of the NSU-CDM 2020-2021 Student Handbook. and the NSU Student Handbook located at

<https://liverootnova.sharepoint.com/dentmed/Active%20Docs/Policies%20and%20Procedures/Pre%20and%202020%20CDM%20PreDoctoral%20Student%20Handbook.pdf?wa=wsignin1.0> .

**Plagiarism Policy:** All assignments, exams, works, patient care - written, laboratory, oral, clinical must be done as the independent work of each individual student. Plagiarism, copying or sharing the work of another or altering documentation to reflect something is your own work that is not; reflect false attendance, are considered serious offences that will not be tolerated. THESE ACTIONS WILL BE CONSIDERED IN VIOLATION OF THE UNIVERSITY AND THE CDM CODE OF BEHAVIORAL CONDUCT AND WILL BE REFERRED FOR APPROPRIATE ACTION. Students who need assistance in their learning goals should communicate with the appropriate NSU-CDM course director and/or faculty. Please refer to appropriate pages of the NSU and the CDM 2020-2021 Student Handbook. Following a link to the NSU Student Handbook

<https://liverootnova.sharepoint.com/dentmed/Active%20Docs/Policies%20and%20Procedures/Pre%20and%202020%20CDM%20PreDoctoral%20Student%20Handbook.pdf?wa=wsignin1.0>

### University Policy

Class content throughout this course may be recorded in accordance with the NSU Class Recording Policy. If class content is recorded, these recordings will be made available to students registered for this course as a supplement to the classroom experience. Recordings will be made available to all students who were registered to attend the live offering of the class, regardless of a student's section or discipline, or whether the student is participating in the course online. If recordings are intended to be accessible to students or third parties who were not registered for the live offering of the class, students' personally identifiable information will be removed or redacted from the recording, unless (1) their written consent to such disclosure was previously provided, or (2) the disclosure is permissible in accordance with the Family Educational Rights and Privacy Act ("FERPA").

Students are prohibited from recording audio or video, or taking photographs in classrooms (including online classes) without prior permission from the instructor or pursuant to an approved disability accommodation, and from reproducing, sharing, or disseminating classroom recordings to individuals outside of this course.

Students found engaging in such conduct will be in breach of the Student Code of Conduct and subject to disciplinary action.

**Title IX/Sexual Misconduct:** Sexual violence and sexual harassment are contrary to our core values and have no place at Nova Southeastern University. In accordance with Title IX and other laws, NSU prohibits discrimination, including sex-based discrimination and discrimination towards pregnant/parenting students. If you or someone you know experience(s) sexual violence and/or sexual harassment, there are resources and options available. To learn more or to report an incident, please visit the NSU Title IX website at [www.nova.edu/title-ix](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.