



CDM 2125 - Pathology II

I. Course Information

Course: CDM 2125 - Pathology II
Semester and Year: Summer I 2021
Course Start and End Dates: 05/03/2021 - 07/25/2021
Course Reference Number: 50200
Semester Credit Hours: 1.5
Building and Room: HPD-Assembly I Building - 2102RESN

II. Instructor Information

Professor: R. Daniel Bonfil
Email: rbonfil@nova.edu
Office Hours:
By appointment only.

III. Class Schedule and Location

Day	Date	Time	Location	Building/Room
T	05/04/2021 - 06/22/2021	9:10 AM - 9:59 AM	Ft Lauderdale/Davie Campus	HPD-Assembly I Building- 2102RESN
R	05/06/2021 - 06/24/2021	8:10 AM - 9:59 AM	Ft Lauderdale/Davie Campus	HPD-Assembly I Building- 2102RESN
F	05/07/2021 - 06/25/2021	9:10 AM - 10:59 AM	Ft Lauderdale/Davie Campus	HPD-Assembly I Building- 2102RESN

IV. Course Description

This course provides the student with a basic knowledge of human diseases, and spans the gap between the basic sciences and clinical disciplines, with a scientific foundation in etiology, pathogenesis, morphologic alterations and effects of diseases. Knowledge of pathologic processes of disease provides a logical explanation for symptoms, signs and biochemical changes, and thus aids in attaining correct diagnosis, prognosis and treatment of diseases. The course consists of applying the previously studied fundamental concepts of pathology in the study of systemic pathology (i.e. consideration of particular organ systems such as respiratory diseases, endocrine diseases, etc.), supplemented by demonstrations and clinicopathological discussions on selected diseases. The Integration of Fundamental Pathology Courses (OF College of Medical Sciences) and Dental Pathology Courses (OF College of Dental Medicine), will be offered through the discussion of relevant clinicopathologic cases of Oral and Maxillofacial conditions by the dental pathologist professor. This interactive discussion will be at the last 20 minutes of selected lectures of General and Systemic pathology. The information provided during the Integrative Lectures will

be considered Objective for this Course, and the proper understanding of these valuable information will be assessed by the two scheduled examinations

V. Course Objectives / Learning Outcomes

Course Learning Outcomes

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

1. Understand the correlations between the basic sciences of anatomy, biochemistry and physiology with those of clinical symptoms and signs in disease states.
2. Describe the essential nature, causes, development of structural and functional changes in tissues and organs of the body in disease processes.
3. Explain basic pathologic processes in cell injury, inflammation and repair.
4. Describe pathologic processes in disorders of vascular flow and shock.
5. Describe the important basic pathologic aspects of genetic diseases and disorders of the immune system.
6. Describe the nature, etiology and basic pathologic features of neoplastic diseases.
7. Describe the basic pathologic features, etiology, clinical correlation and complications in selected aspects of systemic pathology of organ systems of the body, comprising of the following:

Respiratory System

Gastrointestinal System

Endocrine System

Integumentary System

Musculoskeletal System

Nervous System

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 competencies (as defined by educational outcomes):

1. Graduates must be competent in patient assessment, diagnosis, comprehensive treatment planning, prognosis, and informed consent. [CODA Predoctoral Standard 2-24(a)]

Formative: Handout review, class participation (Preparedness for class).

Summative: Midterm and final written exams.

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

[CODA Predoctoral Standard 2-15]

Formative: Handout review, class participation (Preparedness for class).

Summative: Midterm and final written exams.

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: Handout review, class participation (Preparedness for class).

Summative: Midterm and final written exams.

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: Handout review, class participation (Preparedness for class).

Summative: Midterm and final written exams.

- This refers to the same as the items in the CDM Competency Document; please see them listed below.

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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.

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.

FK5: Apply knowledge of the cellular and molecular bases of immune and non- immune host defense mechanisms in the prevention, diagnosis, and management of oral disease and the promotion and maintenance of oral health.

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.

VI. Materials and Resources

Course Required Texts and Materials:

Textbooks:

Required Textbook:

Kumar, V., Abbas, A.K., & Aster, J.C. *Robbins Basic Pathology* (10th ed.), Elsevier, 2018.

Link: <http://novacat.nova.edu/record=b3313497~S13>

Recommended Textbook:

Strayer, D.S., Saffitz, J.E., Rubin, E. *Rubin's Pathology: Mechanisms of Human Disease* (8th ed.), Wolters Kluwer, 2020.

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:

Can be found in Canvas, as published when necessary.

- Supplemental, Recommended, Optional, NOT required.

- 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:

COURSE SCHEDULE – SUMMER 2021 - CDM 2125 – PATHOLOGY – II

Course starts May 3, 2021– July 25, 2021 - CRN 50200

Date	Day	Time	Lecture	Topic	Lecturer
May 11	Tuesday	9:10-10:00 am	1	Respiratory Pathology I	Dr. Payne-Jameau
May 13	Thursday	8:10-9:00 am	2	Respiratory Pathology II	Dr. Payne-Jameau
		9:10-10:00 am	3	Respiratory Pathology III	Dr. Payne-Jameau
May 14	Friday	9:10-10:00 am	4	Gastrointestinal Pathology I	Dr. Bonfil
		10:10-11:00 am	5	Gastrointestinal Pathology II	Dr. Bonfil
May 18	Tuesday	9:10-10:00 am	6	Gastrointestinal Pathology III	Dr. Bonfil
May 20	Thursday	8:10-9:00 am	7	Gastrointestinal Pathology IV - <i>Integration with Dr. Ison (20 min)</i>	Dr. Bonfil and Dr. Ison
		9:10-10:00 am		REVIEW	All Faculty
May 21	Friday	9:00-10:00 am		Midterm Exam (All Faculty) (includes topics 1 to 6)	
May 22- June 6				Break	
June 08	Tuesday	9:10-10:00 am	8	Endocrine Pathology I	Dr. Jones
June 10	Thursday	8:10-9:00 am	9	Endocrine Pathology II – <i>Integration with Dr. Ison (20 min)</i>	Dr. Jones and Dr. Ison
		9:10-10:00 am	10	Integumentary Pathology	Dr. Bonfil
June 11	Friday	9:10-10:00 am	11	Musculoskeletal Pathology I	Dr. Payne-Jameau
		10:10-11:00 am	12	Musculoskeletal Pathology II	Dr. Payne-Jameau
June 15	Tuesday	9:10-10:00 am	13	CNS Pathology I	Dr. Bonfil
June 17	Thursday	8:10-9:00 am	14	CNS Pathology II	Dr. Bonfil
		9:10-10:00 am		REVIEW	All Faculty
June 25	Friday	9:00-10:00 am		Final Exam (All Faculty) (includes topics 7 to 14)	

Topic Outline:

Refer to course schedule and course handouts.

“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

All lectures will be delivered via Zoom.

IX. Assignments

Description of Assignments, Point Value and Rubrics

Class handout review, class preparedness. Students are expected to read the handout and other material provided in advance before attending each class.

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:

Evaluation Criteria; Grading Policy:

The student is responsible for all material from lectures and reading assignments REGARDLESS OF EXCUSED OR UNEXCUSED ABSENCES OR LATENESS.

The students' understanding of pathology will be assessed by two scheduled examinations of up to 100 points each. These will include material from topics covered in lectures and any demonstrations, discussions, and reading assignments.

The examinations will consist mainly of multiple-choice questions; however, the instructors reserve the right to utilize other formats (e.g., fill-in, short answer and identification type questions), when their use is appropriate.

Course grade is calculated as follows:

Midterm Exam	50%
Final Exam	50%
Total	100%

Refer to the NSU-CDM Student Handbook regarding final course grade pertaining to unexcused absences.

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:

Grade Mode: Letter grade

General Examination Procedures and Policies for the Students- Exam Soft

1. Dental students are expected to act honorably and ethically.
2. Dishonest, unethical actions, or other designated inappropriate conduct before, during and after an Examination shall not be tolerated and such acts will subject the student to immediate disciplinary actions up to and including expulsion from the program.
3. Dishonest acts include but are not limited to any attempt to pass an examination by improper means and to aid or abet another student in a dishonest act.
4. Any student appearing to engage in an act of academic dishonesty may receive a zero for that exam **and/or** be referred to the Associate Dean for Academic Affairs (Please refer to the Student Handbook: 2019 – 2020 – Page 104).

Specific Examination Procedures and Policies for the Students - Exam-soft

1. All students will download a scheduled course Exam Soft examination by noon of the last business day preceding the scheduled date of the Exam-soft examination.
 - a. If any student is not able to download the course examination, or any other Exam Malfunction during the examination, that student must contact the course Director **immediately**.
2. The student must contact the course director by email: rbonfil@nova.edu
3. Students who are unable to attend to the exam for reasons consistent with an excused absence **must**

not download the exam file prior to the scheduled exam date.

- Students who download the exam file prior to the exam day and then do not attend the exam due to an emergency must not attempt to access the exam and must delete the uploaded Examination.

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 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

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. 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.