



Rowan College
at
BURLINGTON COUNTY

DENTAL HYGIENE

CODE: DHY 220

TITLE: Oral Pathology

DIVISION: Health Sciences

COURSE DESCRIPTION: This course investigates the study of abnormalities in morphology and function. It focuses on the cellular level first, including cellular alterations and response. It centers its approach on etiology, pathogenesis, clinical and microscopic signs and symptoms, differential diagnosis, treatment, follow-up and prognosis, with emphasis on those lesions most frequently encountered. It focuses on the recognition of pathological conditions, both systemic and oral, as well as their risk factors so appropriate precautions and/or treatment may be taken.

PREREQUISITE: DHY 160, DHY 200, DHY 222, PSY 101

COREQUISITE: CHE 210, DHY 201, DHY 210, DHY 241, MTH 107

CREDITS: 3 cr.

REQUIRED MATERIALS (CHECK BOOKSTORE FOR LATEST EDITION):

Click on the bookstore for the supplies which you are attending each class.

Rcbc.edu/bookstore

COURSE LEARNING OUTCOMES:

Upon completion of this course, students will be able to:

- Describe etiology, pathogenesis and microscopic signs and symptoms in oral pathology lesions. [PLO 1]
- Differentiate between diagnostics for proper treatment, follow-up and prognosis for patients encountering pathologies. [PLO 4]
- Evaluate risk factors pertaining to systemic and oral conditions including biological invasions, cancerous conditions, genetic conditions, and other abnormalities. [PLO 2, PLO 4]

GENERAL EDUCATION OUTCOMES IN THIS COURSE:

Written and Oral Communication: Communication	* Students will communicate meaningfully with a chosen audience while demonstrating critical thought.
Scientific Knowledge and Reasoning: Science	* Students will understand and employ the scientific method of inquiry to draw conclusions based on verifiable evidence. * Students will demonstrate critical thinking skills in the analysis of scientific data
Technological Competency or Information Literacy: Technology	* Students will demonstrate the skills required to find, evaluate, and apply information to solve a problem.
Ethical Reasoning and Action	* Students will analyze and evaluate the strengths and weaknesses of different perspectives on an ethical issue or a situation

CORE COURSE CONTENT:

- Session 1 Introduction to Preliminary Diagnosis of Oral Lesions
 - The Diagnostic Process
 - Variants of Normal
 - Benign Conditions of Unknown Cause
 - Anatomic Landmarks
 - Diagnostic and Descriptive
 - Terminology
 - IP Ch 1
- Session 2 Inflammation and Repair
 - Injury
 - Natural Defenses Against Injury
 - Inflammation
 - Regeneration and Repair
 - Injuries to Teeth
 - Injuries to Oral Soft Tissues
 - Reactive Connective Tissue
 - Hyperplasia
 - Inflammatory Periapical Lesions
 - IP Ch 2 Ch 1 review ques. due
- Session 3 Genetics
 - Lyon Hypothesis
 - Review Molecular and Genetic Composition of Cells
 - IP Ch 6 Ch 2 review ques. due
- Session 4 Immunity
 - The Immune Response

- Antigens
- Cells involved in the Immune Response
- Types of Immunity
- Immunopathology
- Oral Diseases with Immunologic
- Pathogenesis
- Autoimmune Disease that Affect the Oral Cavity
- IP Ch 3 Ch 6 review ques. due
- Session 5 Examination #1 Neoplasia
 - Description, Etiology and Classification
 - Treatment of Tumors
 - Tumors of Epithelial and Squamous Epithelium
 - Salivary Gland Tumors
 - Odontogenic Tumors
 - Tumors of the Soft Tissue
 - Tumors of Melanin-Producing Cells
 - Tumors of Bone and Cartilage
 - Tumors of Blood –Forming Tissues
 - Metastatic Tumors of the Jaws
 - Ch 3 review ques. Due IP Ch 7
- Session 6 Continue Neoplasm
 - Chap 7 review ques due
- Session 7 Oral Manifestations of Systemic Diseases
 - Endocrine Disorders
 - Blood Disorders
 - Immunodeficiency
 - Oral manifestations of Therapy for Oral Cancers
 - Effects of Drugs on the Oral Cavity
 - IP Ch9
- Session 8 Infectious Disease
 - Review Bacterial, fungal and Viral infections
 - Dental Caries Classification
 - Recurrent Caries
 - Dental Caries and Sequelae
 - IP Ch 4 CA Ch 9 due
- Session 9 Infectious Diseases cont.
 - HIV
 - CA Ch 4 due
 - Oncology Assignment due
- Session 10 Examination II
- Session 11 Disease Affecting the TMJ

- Review of Anatomy
- Normal Joint Function
- TMJ Disorders
- Types of disorders
- Treatment of TMJ disorders
- Tumors of the TMJ
- IP Ch 10
- Session 12 Nonneoplastic Diseases of Bone
 - Benign Fibro-osseous Lesions
 - Paget Disease
 - Osteomalacia
 - IP Ch 8 CA Ch 10 due
- Session 13 Developmental Disorders
 - Embryonic Development
 - Developmental Soft Tissue
 - Abnormalities
 - Developmental Cysts
 - Developmental Abnormalities of Teeth Oral Conditions Affecting Infants and Children
 - Dental Abnormalities of Teeth IP
 - Ch 5 CA Ch 8 due
- Session 14 Comprehensive Review of Slides CA Ch 5 due
- Session 15 FINAL EXAM

COURSE ACTIVITIES:

Course activities vary from course to course and instructor to instructor. Below is a listing of some of the activities students can anticipate in this course:

- ▶ Writing assignments: students will analyze current issues in the field using current articles from the popular press as well as library research including electronic resources databases.
- ▶ Speaking assignments: students will present research individually or in groups using current technology to support the presentation (e.g., PowerPoint presentation); students will participate in discussions and debates related to the topics in the lessons. Discussions may also focus on cross-cultural and legal-ethical dilemmas as they relate to the course content.
- ▶ Simulation activities: Trends and issues will analyzed for their ethical as well as social or legal significance. Students might role-play common situations for classmates to analyze. Current news articles may be used to generate discussion.

- ▶ Case Studies: Complex situations and scenarios will be analyzed in cooperative group settings or as homework assignments.
- ▶ Lectures: This format will include question and answer sessions to provide interactivity between students and instructor.
- ▶ Speakers: Representatives from various related fields may be invited to speak.
- ▶ Videos: Related topics will provide impetus for discussion.

EDUCATIONAL TECHNOLOGY:

Rowan College at Burlington County advocates a technology enhanced teaching and learning environment. Advanced technological tools may be used in any course section to facilitate instruction. Many of our sections are web-enhanced, which means that some of your work will be submitted or completed online. Web enhancements may include on-line materials, grade books, testing and quizzes and assignment submission. Many students enjoy the flexibility and convenience that these online enhancements have provided, however if you have concerns about the technology involved, please speak to your instructor immediately.

STUDENT EVALUATIONS:

The student will be evaluated on the degree to which student learning outcomes are achieved. A variety of methods may be used such as tests, quizzes, class participation, projects, homework assignments, presentations, etc.

See individual instructor's course handouts for grading system and criteria (point value for each assessment component in course, e.g. tests, papers, presentations, attendance etc.), number of papers and examinations required in the course, and testing policy including make ups and/or retests.

GRADING STANDARD:

- A Mastery of essential elements and related concepts, plus demonstrated excellence or originality.
- B+ Mastery of essential elements and related concepts, showing higher level understanding.
- B Mastery of essential elements and related concepts.
- C+ Above average knowledge of essential elements and related concepts.
- C Acceptable knowledge of essential elements and related concepts.
- D Minimal knowledge of related concepts.
- F Unsatisfactory progress. This grade may also be assigned in cases of academic misconduct, such as cheating or plagiarism, and/or excessive absences.

For other grades, see the current ROWAN COLLEGE AT BURLINGTON COUNTY catalog.

COLLEGE POLICIES:

The current college catalog and student handbook are important documents for understanding your rights and responsibilities as a student in the RCBC classroom. Please read your catalog and handbook as they supplement this syllabus, particularly for information regarding:

- ▶ Academic Integrity Code
- ▶ Student Conduct Code
- ▶ Student Grade Appeal Process

OFFICE OF STUDENT SUPPORT AND DISABILITIES SERVICES:

RCBC welcomes students with disabilities into the college's educational programs. Access to accommodations and support services for students with learning and other disabilities is facilitated by staff in the Office of Student Support (OSS). In order to receive accommodations, a student must contact the OSS, self-identify as having a disability, provide appropriate documentation, and participate in an intake appointment. If the documentation supports the request for reasonable accommodations, the OSS will provide the student with an Accommodation Plan to give to instructors. Contact the Office of Student Support at 609-894-9311, ext. 1208 or visit the website at: www.rcbc.edu/studentsupport

ADDITIONAL SUPPORT/LABS:

RCBC provides academic advising, student support personal counseling, transfer advising, and special accommodations for individuals with disabilities free to all students through the Division of Student Services. For more information about any of these services, visit the Laurel Hall on the Mt. Laurel Campus, or call (609) 894-9311 or (856) 222-9311, then dial the desired extension:

- Ext. 1557 Academic Advisement and Counseling
- Ext. 1803 Special Populations
- Ext. 2737 Transfer Center

Or visit the following websites:

Academic Advising www.rcbc.edu/advising
Student Support Counseling www.rcbc.edu/counseling
Transfer Center www.rcbc.edu/transfer

RCBC offers a free tutoring for all currently enrolled students. For more information regarding The Tutoring Center call Extension 1495 at (609) 894-9311 or (856) 222-9311 or visit the Tutoring Center Website at www.rcbc.edu/tutoring