

COURSE DESCRIPTION

Pathophysiology is a four-course series that presents the fundamentals of biophysiological processes as they relate to the development of diseases and their manifestations.

Pathophysiology II covers the study of the etiology, pathologic mechanisms, and sequelae of disease processes involving the following Systemic and Organ systems:

1. Circulatory / Cardiovascular Disease and Hematology
2. Respiratory Function and Pulmonary Disease
3. Renal and Genitourinary Disease

LEARNING OBJECTIVES

Upon completion of this course the student will be able to:

- recognize common disorders of the circulatory, respiratory and renal systems
- explain major disease mechanisms of the above systems
- describe the pathologic changes of the above disorders

COURSE PREREQUISITIES

Pathophysiology I

REQUIRED TEXTS

Pathophysiology, 5th Edition, by Carol Mattson Porth, Lippincott, 1996

RECOMMENDED TEXTS

Pathophysiology, 4th Edition, by Barbara Bullock, Lippincott, 1996

COURSE REQUIREMENTS

50%= Mid-Term Examination
50%=Final Examination
Quizzes = Extra Credit

Classroom lectures represent the instructor's emphasis and focus on certain aspects of the course material. The student is responsible for the assigned readings.

GRADING SCALE: 100-90% A, 89-80% B, 79-70% C, 69% and below F

SPECIAL NOTES

Professionalism and Full and Prompt Attendance: To pass any course (separate from academic performance) all students must meet requirements for professionalism in coursework. Professionalism includes full and prompt attendance: Students who miss more than 2 class meetings in a 10-week course will earn an F in that course. Additionally, students who arrive more than 15 minutes to class or leave class before it ends will be marked tardy. Two tardies equal one absence. NOTE: Students who leave and return to class late from a break or leave during the class (especially if this is repeated) or who disrupt the class in other ways may be referred to the Academic Dean for professionalism.

CLASS ONE (The syllabus is subject to change at the discretion of the instructor.)
The circulatory system.

CLASS TWO
Alterations in blood flow in the systemic circulation

CLASS THREE
Alterations in blood pressure

CLASS FOUR
Coronary heart disease
Heart failure and circulatory shock

CLASS FIVE
Disorders of the cardiac conduction.

CLASS SIX
Mid-term Examination

Respiratory System

CLASS SEVEN
Respiratory System (continued)
Alterations in respiration

CLASS EIGHT
Alterations in respiration (continued)
Water and electrolytes disorders

CLASS NINE
Alterations in acid-base balance

CLASS TEN
Alterations in urine elimination

CLASS ELEVEN
Final Examination

REFERENCE MATERIAL

FACULTY INFO

Nguyen, Thom
Please check with instructor during class to get updated contact info.

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Thom Nguyen worked as an acupuncturist and physician in Vietnam and the Ivory Coast of West Africa. Dr. Nguyen served as volunteer acupuncturist and board member at Nhan Hoa Medical Clinic in Garden Grove. Dr. Nguyen teaches a number of courses in the MTOM Program including coursework in the Pathophysiology series; he also trains MTOM clinic interns as a Supervisor in the Emperor's Clinic as well as at the externship site at UCLA's Arthur Ashe Student Health Center.

Course
Code **WS272**

3 Units

**EMPEROR'S COLLEGE
MTOM COURSE SYLLABUS
PATHOPHYSIOLOGY II**

Nguyen, Thom
Summer 2017
