

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 I is prerequisite to the remaining three courses in this series.

Pathophysiology I introduces the fundamentals of disease processes as they relate to cellular dynamics, inflammation and repair, fluid and electrolyte balance, acid/base and blood gas regulation, hemodynamics, and immunity. This material is then summarized into clinical relevancy through the consideration of the related symptoms.

LEARNING OBJECTIVES

Course Objective I : To develop a physiological understanding of disease processes.

Course Objective II: To develop an understanding of disease symptomatology and recognition.

COURSE PREREQUISITES

Anatomy & Physiology I-IV, Biology, Biochemistry, Western Medical Terminology

REQUIRED TEXTS

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

RECOMMENDED TEXTS

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

COURSE REQUIREMENTS

50%= Mid-Term Examination

50%=Final Examination

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.)
Genetic control of cell function.

Genetic disorders

CLASS TWO
Cellular adaptation, injury, death, wound healing

CLASS THREE
Neoplasia, Hemostasis

CLASS FOUR
Alterations in red cells

CLASS FIVE
Mid- term Examination

Alterations in red cells (continued)

CLASS SIX
Disorders of white cells & lymphoid tissues.
Infectious diseases

CLASS SEVEN
Infectious diseases (continued)
Immunity

CLASS EIGHT
Immunity (continued)
Alterations in immune response

CLASS NINE
Acquired immunodeficiency syndrome

CLASS TEN
Alterations in skin function

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

Course
Code **WS271**

**EMPEROR'S COLLEGE
MTOM COURSE SYLLABUS**

Nguyen, Thom
Fall 2017

3 Units

PATHOPHYSIOLOGY I

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.