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#### 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

Course content includes any public health or oncology related topics relative to these systemic and organ systems.

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#### 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

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#### COURSE PREREQUISITES

Pathophysiology I

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#### REQUIRED TEXTS

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

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#### RECOMMENDED TEXTS

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

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#### COURSE REQUIREMENTS

##### Out-of-Class Work

To successfully complete the program, students need to plan studying a minimum of 2 hours out-of-class for each academic in-class hour; and half an hour out-of-class for each hour of clinical training.

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

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#### SPECIAL NOTES

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

**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.

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

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CLASS TWO  
Alterations in blood flow in the systemic circulation

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CLASS THREE  
Alterations in blood pressure

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CLASS FOUR  
Coronary heart disease  
Heart failure and circulatory shock

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CLASS FIVE  
Disorders of the cardiac conduction.

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CLASS SIX  
**Mid-term Examination**

Respiratory System

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CLASS SEVEN  
Respiratory System (continued)  
Alterations in respiration

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

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CLASS NINE  
Alterations in acid-base balance

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CLASS TEN  
Alterations in urine elimination

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CLASS ELEVEN  
**Final Examination**

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REFERENCE MATERIAL

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FACULTY INFO

Nguyen, Thom

Course  
Code **WS272**  
**3 Units**  
**30 Hours**

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

**Nguyen, Thom**  
*Winter 2019*

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

thomng99@yahoo.com

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.