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COURSE DESCRIPTION

Presentation of the etiologies, pathogenesis and mechanisms of common disorders of the GI tract, endocrine system, and nervous system.

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LEARNING OBJECTIVES

- Upon completion of this course a student will be able to:
- recognize common disorders of the GI tract, endocrine and nervous systems.
  - explain major mechanisms of the disorders of the above systems
  - explain the mechanisms of clinical signs of the above disorders
  - describe the pathologic changes of the disorders of the above systems.

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COURSE PREREQUISITIES

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REQUIRED TEXTS

Grossman, Sheila C. and Porth, Carol Mattson (2014). ***Porth's Pathophysiology: Concepts of Altered Health States***. Wolters Kluwer Health/Lippincott Williams & Wilkins, 9 th edition. ISBN-13: 978-1451146004

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RECOMMENDED TEXTS

Hall, John E, and Arthur C. Guyton (2011). ***Guyton and Hall Textbook of Medical Physiology***. Philadelphia, PA: Saunders Elsevier, 13 th edition. ISBN-13: 978-1455770052

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COURSE REQUIREMENTS

- Module 1 exam = 50%  
Module 2 exam = 50%

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

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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.

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CLASS ONE (The syllabus is subject to change at the discretion of the instructor.)  
Mechanisms of Endocrine Control  
Assignment: Porth Ch. 48 & Course Notes

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CLASS TWO  
Disorders of Endocrine Control I

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Assignment: Porth Ch. 49

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**CLASS THREE**

Disorders of Endocrine Control II

Assignment: Porth Ch. 50

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**CLASS FOUR**

Disorders of GI Function

Assignment: Porth Ch. 45

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**CLASS FIVE**

Disorders of Hepatobiliary & Exocrine Pancreas Function

Assignment: Porth Ch. 46

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**CLASS SIX**

**Module 1 Exam**

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**CLASS SEVEN**

Disorders of Motor Function

Assignment: Porth Ch. 19

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**CLASS EIGHT**

Disorders of Brain Function

Assignment: Porth Ch.20

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**CLASS NINE**

Disorders of Visual Function

Assignment: Porth Ch. 23

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**CLASS TEN**

Disorders of Hearing/Vestibular

Assignment: Porth Ch. 24

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**CLASS ELEVEN**

**Module 2 Exam**

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**REFERENCE MATERIAL**

will be provided as necessary

Please contact Dr. Downie with questions at [docdownie.emperors@gmail.com](mailto:docdownie.emperors@gmail.com)

Check for Course notes, materials and Course Manual links at [EmperorsWesternScience.wordpress.com](http://EmperorsWesternScience.wordpress.com)

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**FACULTY INFO**

Downie, Patrick

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

312.569.0747

[docdownie.emperors@gmail.com](mailto:docdownie.emperors@gmail.com)

Dr. Downie graduated from National College of Chiropractic in Lombard, Illinois in 1996 and pursued additional clinical training in orthopedics and neurology. He was Co-Director of a NIH CAM research grant at Rush University College of Nursing, practiced as a staff Chiropractor at Northwestern Medicine's Center for Integrative Medicine, and served as both a professor and Bioscience Department Chair at Pacific College of Oriental Medicine, in Chicago for over a

Course  
Code **WS273**

**3 Units**

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

***Downie, Patrick***  
*Fall 2017*

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decade. Dr. Downie is an active member of the American Association of Anatomists. Please contact Dr. Downie with questions at [docdownie.emperors@gmail.com](mailto:docdownie.emperors@gmail.com) or text 312.569.0747