Course Code *WS590*

2 Units

EMPEROR'S COLLEGE
MTOM COURSE SYLLABUS
INTRO TO MEDICAL IMAGING PROCEDURES

Dr. Downie
Fall 2017

COURSE DESCRIPTION

An introductory imaging course for the TCM student. This course provides an overview of various imaging modalities, normal imaging anatomy, common pathologies, radiologist reports and to provide an approach to requesting imaging investigations in a range of clinical scenarios.

LEARNING OBJECTIVES

This course provides an overview of imaging tests and procedures used in modern medicine.
Areas of discussion include X-ray, CT scan, MRI, PET scan, nuclear studies, ultrasound.
Objectives:
1. To learn about basic physics of imaging techniques, indications, contraindications, and adverse effects of the tests.
2. To appreciate the images obtained and the actual visual findings.
3. To understand a standard report terminology.
4. To prepare students to refer to, and communicate with, other health care practitioners in regards to medical imaging.

COURSE PREREQUISITIES

Pathophysiology I-IV, Physics

REQUIRED TEXTS

Lisle, D. (2012). ***Imaging for Students***. 4th edition. Hodder Arnold ISBN-13: 978-1444121827

RECOMMENDED TEXTS

None

COURSE REQUIREMENTS

50% = Module 1 Examination
50% = Module 2 Examination

Only TWO (2) absences are permitted. More than two absences will result in course failure

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

SPECIAL NOTES

No texting or phone use permitted in class. No video recording is permitted under any circumstances.

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 or 1 class meeting in a 7-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 given ½ absence towards attendance. 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 earn an F in that class and/or be referred to the Academic Dean for professionalism.

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CLASS ONE
Radiography & Contrast Materials

CLASS TWO
Computed Tomography

CLASS THREE
Ultrasound

CLASS FOUR
Nuclear Medicine

CLASS FIVE
Magnetic Resonance Imaging

CLASS SIX
MODULE 1 EXAM

CLASS SEVEN
Respiratory & Cardiovascular System Imaging

CLASS EIGHT
Musculoskeletal System Imaging

CLASS NINE
Central Nervous System Imaging

CLASS TEN
Imaging in Oncology

CLASS ELEVEN
MODULE 2 EXAM

FACULTY INFO

Please contact Dr. Downie with questions at docdownie.emperors@gmail.com
Check for Course notes, materials and Course Manual links at EmperorsWesternScience.wordpress.com