

## **MASTER SYLLABUS**

### **COURSE NUMBER AND TITLE:**

RAD 312-3 Radiographic Pathology

### **COURSE DESCRIPTION:**

Deals with the etiology and processes of trauma and disease. Emphasis will be placed on radiographic pathology of the body systems and the manifestation of this pathology.

All Radiography students must pass each of their Radiologic Science courses (RAD) with a grade of “C” or better (the minimum requirement) in order to satisfy Program requirements, and stay in the Program.

Any Radiography student that does not meet the minimum course requirement (a course grade of “C” or better) will not be allowed to continue in the Program. The student is allowed to re-apply to the Program the following year.

### **COURSE OBJECTIVES:**

1. Distinguish between the different types of disease.
2. Acquire a basic understanding of the causes of disease.
3. Describe the clinical signs and radiographic appearance of trauma for each body system.
4. Describe the clinical signs and radiographic appearance of disease for each body system.
5. Define the medical terms related to pathology.
6. Describe imaging procedures used in diagnosing disease.

### **COURSE OUTLINE:**

### **PERCENTAGE:**

- |                                  |     |
|----------------------------------|-----|
| 1. Introduction to pathology     | 5%  |
| 2. Respiratory system            | 15% |
| 3. Skeletal system               | 20% |
| 4. Gastrointestinal system       | 15% |
| 5. Urinary system                | 10% |
| 6. Cardiovascular system         | 15% |
| 7. Nervous system                | 5%  |
| 8. Hematopoietic system          | 5%  |
| 9. Endocrine/Reproductive system | 10% |

### **MEANS OF STUDENT EVALUATION:**

Grading Scale

93 - 100 = A

85 - 92 =B  
75 - 84 =C  
0 - 74 =F

**PREREQUISITES:** RAD 332 with a minimum grade of C.

**Co-REQUISITES:** RAD 322, RAD 342 and RAD 352

**TEXTBOOKS:**

1. Eisenberg, R. L. & Johnson, N. M. (2016). Comprehensive Radiographic Pathology, 6th edition. St. Louis, MO: Elsevier/Mosby. ISBN-13: 978-0-3230-7847-4.
2. Selected handout materials distributed throughout the semester.
3. Optional: Eisenberg, R. L. & Johnson, N. M. (2016). Workbook for Comprehensive Radiographic Pathology, 6th edition. St. Louis, MO: Elsevier/Mosby. ISBN-13: 978-0-3230-7849-8.