**SOUTHEAST COMMUNITY COLLEGE**
**HEALTH SCIENCES DIVISION**
**Radiologic Technology Program**
**Revision Date: 9/2019**
Syllabus Statements

**I. CATALOG DESCRIPTION**

| | |
|---|---|
| **Course Number:** | **RADT 2265** |
| **Course Title** | **Pathology for Radiographers** |
| **Prerequisite(s):** | **RADT1115** |
| **Catalog Description:** | Introduction to pathologies that are imaged in a Radiolgy department. Discussion of the anatomy, physiology, additive and destructive pathologies, congenital abnormalities. Application of patient care techniques including communication according to pathology. Review of medical terminology associated with pathological processes. |
| **Credit Hours:** | **3** |
| **Class Hours:** | **45** |
| **Lab Hours:** | **0** |
| **Total Contact Hours:** | **45** |

**II. COURSE OBJECTIVES:** ***Course will:***

1. Introduce the radiology student to various diseases, their classifications and their characteristics.
2. Familiarize student with related terminology for diseases and body systems.
3. Introduce student to systems of the body and various disease processes that affect those systems.
4. Familiarize student with the appearance of diseases on radiographic images.
5. Apply good practice in radiology to imaging patients with various pathologies or congenital anomalies.

**Note: Unit objectives are located in the learning management system within each unit of study.**

**III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:**

**A. STUDENT LEARNING OUTCOMES:** *Student will be able to:*

1. Correlate didactic learning with clinical practice.
2. Identify practical measures to image pathologies at the clinical site.
3. Recognize pathologies and congenital anomalies of the various systems on radiographs.
3. Understand the radiographer's role in quality care and imaging of patients.

**B. GENERAL EDUCATION LEARNING OUTCOMES**

**GELO 3: Critical Thinking & Problem Solving**

**OUTCOME:** Synthesize information to arrive at reasoned solutions to problems.

## IV. CONTENT/TOPICAL OUTLINE (*course outline may provide more detailed information)*

### A. INTRODUCTION TO PATHOLOGY

1. Why Study Pathology?
2. Disease Processes
3. Effects of Injury or Disease
4. Fundamental Tissues
5. Growth Disturbances
6. Causes of Death
7. Terminology

### B. RESPIRATORY SYSTEM

1. Terminology
2. Anatomy and Physiology
3. Clinical and Radiographic Presentation
4. Application to Practice

### C. SKELETAL SYSTEM

1. Terminology
2. Anatomy and Physiology
3. Clinical and Radiographic Presentation
4. Application to Practice

### D. GASTROINTESTINAL SYSTEM

1. Terminology
2. Anatomy and Physiology
3. Clinical and Radiographic Presentation
4. Application to Practice

### E. HEPATOBILIARY SYSTEM

1. Terminology
2. Anatomy and Physiology
3. Clinical and Radiographic Presentation
4. Application to Practice

### F. URINARY SYSTEM

1. Terminology
2. Anatomy and Physiology
3. Clinical and Radiographic Presentation
4. Application to Practice

### G. CARDIOVASCULAR SYSTEM

1. Terminology
2. Anatomy and Physiology
3. Clinical and Radiographic Presentation
4. Application to Practice

### H. NERVOUS SYSTEM

1. Terminology
2. Anatomy and Physiology
3. Clinical and Radiographic Presentation
4. Application to Practice

**I. ENDOCRINE SYSTEM**

1. Terminology
2. Anatomy and Physiology
3. Clinical and Radiographic Presentation
4. Application to Practice

**J. REPRODUCTIVE SYSTEM**

1. Terminology
2. Anatomy and Physiology
3. Clinical and Radiographic Presentation
4. Application to Practice

**K. HEMATOPOIETIC SYSTEM**

1. Terminology
2. Anatomy and Physiology
3. Clinical and Radiographic Presentation
4. Application to Practice

## V. INSTRUCTIONAL MATERIALS

**A. Required Text(s):**

Eisenberg, Ronald L., Johnson, Nancy M. *Comprehensive Radiographic Pathology.* Mosby Elsevier, latest edition.

**B. Other Resources:**

Course Study Guide

## VI. METHODS OF PRESENTATION/INSTRUCTION

A. Methods of presentation typically include a combination of the following:

1. Lecture
2. Demonstrations
3. Worksheets
4. Learning Activities/Games
5. Handout Materials
6. Online Learning Activities
7. Presentations
8. Case Studies/ Group Work
9. Guest Presenters
10. Video Presentations
11. Power Point

## VII. METHODS OF EVALUATION

A. Methods of evaluation typically include a combination of the following:

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|---|---|
| Exams | 55% of Total Grade |
| Final Exam | 10% of Total Grade |
| Quizzes and Assignments | 15% of Total Grade |
| Participation | 5% of Total Grade |
| Presentation | 15% of Total Grade |
| **TOTAL** | **100%** |

Assignments may include but are not limited to group projects, presentations, essays, topic reviews, reflection papers, portfolios, worksheets, quizzes, case studies, class discussions, etc.

**SCC STANDARD GRADING SCALE POLICY:**

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|---|---|---|---|---|---|
| **A+** | **95-100** | **C+** | **75-79** | **F** | **Below 60** |
| **A** | **90-94** | **C** | **70-74** | | |
| **B+** | **85-89** | **D+** | **65-69** | | |
| **B** | **80-84** | **D** | **60-64** | | |

## VIII. SPECIFIC COURSE REQUIREMENTS

A. **ATTENDANCE:** Attendance is crucial to the success of this course. Any class missed could mean valuable missed information which is difficult to obtain. Please notify the instructor of any pending absences or if you will be late for class. Excessive absences may result in failing the course.

B. **PROGRAM COURSES:** Must pass all program courses with a 75% to progress to the next term.

**See Course Information Document for specific course policies related to grading, expectations, assignments, assessments, and participation.**