MOHAWK VALLEY COMMUNITY COLLEGE, UTICA-ROME, NY

Radiological Technology

COURSE OUTLINE

1. COURSE DESCRIPTION:

**RT102 Radiographic Procedures/Pathology 1 Lecture** C-1, P-0, Cr-3

This course introduces basic terminology, principles of radiographic procedures, and directional terms in relation to the human body. Students practice under simulated conditions in a laboratory setting before actually performing on patients in a clinical setting. Topics include proper use of radiographic equipment and patient safety issues.

**Prerequisites:** Appropriate high school GPA or placement test score or

MA089 Arithmetic

**Corequisites:** RT100, RT101, RT103, BI216

1. STUDENT LEARNING OUTCOMES

**Upon completion of this course the student will be able to:**

1. Describe the radiographic anatomy & physiology of each system.
2. Classify the more common diseases in terms of their attenuation of x-rays.
3. Explain the changes in technical factors required to obtain optimal quality radiographs for patients with various underlying pathologic conditions.
4. Define and describe all bold-faced terms in the radiographic A&P chapters.
5. Identify anatomic structures on both diagrams and radiographs of all systems and be familiar with each body habitus for each system.
6. Differentiate the more common pathologic conditions affecting the radiographic A&P systems and their radiographic manifestations.
7. MAJOR TOPICS:
8. Introduction to Positioning Principles/Radiographic Equipment Manipulation
9. Chest
10. Abdomen
11. Upper Gastrointestinal Tract
12. Lower Gastrointestinal Tract
13. Urinary System