COURSE INFORMATION

Course Prefix/Number: AHS 206
Course Title: Cross-Sectional Anatomy for Medical Imaging
Lecture Hours/Week: 2.0
Lab Hours/Week: 0.0
Credit Hours/Semester: 2.0

VA Statement/Distance Learning Attendance
Textbook Information
Student Code and Grievance Policy
Attendance Statement (3-30-4000.1)

COURSE DESCRIPTION

This course is a study of human anatomy as viewed in cross-sectional planes. This is used in medical imaging modalities, such as computed tomography, Magnetic Resonance Imaging, and Ultrasound.

COURSE COMPETENCIES

Module 1: Cross-Sectional Terminology, Head and Neck
Identify patient positions.
- Describe sagittal plane
- Define transverse plane.
- Define Coronal plane.
- Define off-axis/Oblique plane.

Identify the following anatomy in multiple planar imaging:
- Cranial nerves
- Internal Auditory Canal
- Temporal Bones
- Pituitary
- Orbits
- Sinuses
- Maxillofacial
- Temporomandibular Joint
- Posterior Fossa
- Brain
- Cranium
- Vascular of the head
- Larynx
- Soft Tissue Neck
- Vascular of the neck
Module 2: Chest
Identify the following anatomy in multiple planar imaging:
- Mediastinum
- Lungs
- Heart
- Airway
- Vascular of the chest

Module 3: Abdomen and Pelvis
Identify the following anatomy in multiple planar imaging:
- Liver
- Biliary system
- Spleen
- Pancreas
- Adrenals
- Kidneys and/or Ureters
- GI Tract
- Vascular of the Abdomen
- Bladder
- Colorectal
- Reproductive Organs
- Vascular of the pelvis

Module 4: Musculoskeletal
Identify the following anatomy in multiple planar imaging:
- Upper Extremity
- Lower Extremity
- Spine
- Pelvis and/or Hips
- Shoulder Girdle
- Sternum and/or Ribs
- Vascular of the extremities
- Post Myelography
- CT Arthrography
- Diskography

METHODS OF INSTRUCTION
Principles will be introduced by the instructor through the use of the learning management system via power points, outlines, computer-based lessons and modules, class discussion board, drop-box assignments and videos.

PERFORMANCE OBJECTIVES/MINIMAL STANDARDS
Performance objectives for each topic (unit) are included in this syllabus. A minimum grade of 80% is required to pass the course (See Grading Procedures).
COURSE REQUIREMENTS

All students are responsible for attaining competencies though the completion of the following course requirements:
- Participating in all class assignments (ex. Discussion board, drop-box, etc.)
- Completing online learning modules
- Reading all assigned materials as listed in the course calendar
- Completing all quizzes and tests as scheduled as scheduled in the course calendar.

Academic Integrity
The policies stated in the York Technical College Handbook will be enforced. Any student violating these policies will be subject to academic discipline.

GRADING PROCEDURES

Tests are to be taken on or before the assigned dates as listed on the course calendar. Each test is only taken once and will be timed. Tests will not be open to the student until other unit assignments are complete. Semester objectives will include attendance and drop-box assignments. Unit tests and the final exam will make up the remainder of the course grade. Students achieving a 93% average or above will be exempt from the final exam but still need to complete it for registry practice. A grade of “C” or better is required to receive credit for the program.

The grading scale is as follows:

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<thead>
<tr>
<th>Grade</th>
<th>Range</th>
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<tbody>
<tr>
<td>A</td>
<td>93 - 100</td>
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<tr>
<td>B</td>
<td>86 - 92</td>
</tr>
<tr>
<td>C</td>
<td>80 - 85</td>
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<td>D</td>
<td>70 - 79</td>
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<tr>
<td>F</td>
<td>Below 70</td>
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ENTRY LEVEL SKILLS

A student entering this course must be enrolled in the Certificate in Computed Tomography Program.

PREREQUISITES

Prerequisite: Admission to CT program or permission of program coordinator

CO-REQUISITES

RAD 103, RAD 120, RAD 140

DISABILITIES STATEMENT

Any student who feels s/he may need an accommodation based on the impact of a disability should contact the Special Resources Office (SRO) at 803-327-8007 in the 300 area of Student Services. The SRO coordinates reasonable accommodations for students with documented disabilities.