OGEECHEE TECHNICAL COLLEGE
One Joe Kennedy Boulevard
Statesboro GA

SYLLABUS

RAPS 1120 – Radiology Basics for Imaging Informatics

Course Information
Course Date: Fall 2013
Course Meeting Times: MW 1: 15 – 4:15 PM
Course Location: 914 – Health Science Building – North
Course Type: Hybrid
Instructor: David Raulerson, 919
Office Hours: By appointment and Thursdays 9:00 a.m. – 12 00 p.m. and 1:15 p.m. – 4:15 p.m.
912-688-6021 office draulerson@ogeecheetech.edu

Course Description: This course is designed to prepare the non-radiographers who are interested in incorporating a limited radiography background into their professional development for success in a healthcare environment. This course introduces knowledge of the factors that govern and influence the production of the radiographic image on radiographic film or digital image receptor. An introduction to positioning, viewing techniques, and common terminology related to radiologic procedures will be included. Emphasis will be placed on the production of quality radiographs, and laboratory experience will demonstrate the application of theoretical principles and concepts. Topic include radiographic density, radiographic contrast, recorded detail, distortion, exposure latitude, quality assurance concepts, automatic exposure control concepts, position in considerations and positioning terminology.

Credit/Contact Hours: 7/120

Prerequisite/Corequisite: program admission; Corequisite- none

Competency Areas:
1. Radiographic Density
2. Radiographic Contrast
3. Recorded Detail
4. Distortion
5. Quality Management and Quality Assurance

Textbook & Materials: (Two Required for this Course)
Textbook Title: Radiographic image production and manipulation
Author: Craig T. Shephard, MS, RT (R), RDMS
Publisher: McGraw Hill
Textbook Title: *PACS: A guide to the digital revolution, 2nd edition* (Will be used in other courses.)
Author: Keith J. Dreyer, DO, PHD
Publisher: Springer

**Assessment**
Distribution of Grades:
- Quizzes - 25%
- Tests - 35%
- Final exam - 40%

Grading Scale:
- A 90-100
- B 80-89
- C 70-79
- D 60-69
- F 59 and below

Final Exam: 9 December 2013 – 1:30 PM – 3:30 PM

Work Ethics Information:
The Technical College System of Georgia instructs and evaluates students on work ethics in all programs of study. Ten work ethics traits have been identified and defined as essential for student success: appearance, attendance, attitude, character, communication, cooperation, organizational skills, productivity, respect, and teamwork. As a student in this Ogeechee Technical College course, you will be expected to adhere to the highest standards of these 10 character traits in your behavior as well as your coursework.

**Classroom Policies**
Attendance:
“Three tardies will be counted as one absence. A student may be dropped from the class roll when his/her absences exceed 10% of the total class hours for the course” (from the handbook). As part of the course will be online via Angel, a portion of your attendance will be measured by the amount of time that you spend logged in to the course website. You should log on to the website a minimum of two times per week in order to prevent being dropped for excessive absences.

Your attendance will also be measured by your attendance for laboratory lectures and demonstrations. Class hours begin on time unless otherwise instructed. Course Withdrawal: Students may withdraw from a course without academic penalty until the midpoint of the term (as stated in the Academic Calendar and in
the *OTC Catalog and Student Handbook*). By withdrawing before the midpoint of the term, the student is automatically assigned a grade of W, which does not affect term or cumulative grade point average. Grades of W will affect satisfactory academic progress for financial aid purposes. **Students who stop attending class(es) without formally withdrawing risk earning a final grade of F, which will appear on the academic transcript.** Refer to the *OTC Catalog and Student Handbook* for further details.

**Late Work:** Late work is penalized one full letter grade per day.

**Missed Exams:** Missed exams with a valid reason may be made up subject to instructor discretion and at a time of the instructor’s choosing. Failing to make up a missed exam will result in a zero.

**Absences:** Absences totaling more than 10% of class time will result in being dropped from the course.

**Extra Credit:** There are no extra credit opportunities in this course.

**Cheating/Plagiarism:** Academic honesty is expected at all times. Any student found to have engaged in academic misconduct such as cheating, plagiarism, or collusion is subject to disciplinary sanctions as outlined in the Student Code of Conduct detailed in the *OTC Catalog and Student Handbook*. The term “plagiarism” includes, but is not limited to, the use, by paraphrase or direct quotation, of the published or unpublished work of another person without full and clear acknowledgment. The term “collusion” includes, but is not limited to, the unauthorized collaboration with any other person in preparing work offered for academic credit. Students are advised that faculty routinely use turnitin.com both to prevent plagiarism and to assist in verifying when/if it has occurred.

**Safety**

When in the radiology suite, be aware of the radiation shielding and protections protocols. Do not be in the room during an exposure. In case of emergency while on campus, please refer to the *Emergency Operations and Safety Plan* and the *Blood Borne Pathogen Exposure Control Plan* found by the door of all classrooms and labs on the OTC campus. A copy of the *OTC Safety Plan* can be found online at:

http://www.ogeecheetech.edu/student_services/campus_safety.html.

The Director of Campus Safety & Security contact information is as follows: Stan York, 912.681.5667, syork@ogeecheetech.edu.
Disability Statement

Students with disabilities who believe that they may need accommodations in this class based on the impact of the disability are encouraged to contact Penny Hendrix, Disability and Student Support Services Coordinator, Office 171E, Kennedy Bldg., 912.486.7211, to coordinate reasonable accommodations.

Special Populations Assistance Program

Students who may qualify for services on campus depending on the special needs they have and if they qualify as a special population should contact Kelli Waters, Student Activities & Special Populations Coordinator, Office 143D, Kennedy Bldg., 912.871.1885 for assistance.

Warranty Statement

The Technical College System of Georgia guarantees employers that graduates of State Technical Colleges shall possess skills and knowledge as prescribed by State Curriculum Standards. Should any graduate employee within two years of graduation be deemed lacking in said skills, that student shall be retrained in any State Technical College at no charge for instructional costs to either the student or the employer.

Communication

Important communication about this course will be transmitted through the Ogeechee Tech student e-mail system. Students should check their student e-mail accounts before each class in order to receive the most up-to-the-minute information about classes and assignments.

Ogeechee Tech sends vital information about financial aid, registration, and college news through the student e-mail system. Students should check their student e-mail accounts periodically for this information.

Student e-mail may be accessed through the college website, www.ogeecheetech.edu, under the Current Students tab.

OTC Alert

Students are encouraged to sign up for OTC Alert, a system designed to notify students of any emergency on campus. Alerts are sent by text messaging and/or by e-mail. To subscribe to OTC Alert, a student can go to www.ogeecheetech.edu and click on Current Students → Banner Web → OTC Alert Information.

Library Resources

The Ogeechee Technical College Library provides students access to books, periodicals, ebooks, GALILEO, and other electronic resources. Students are encouraged to use the Library for class research projects. Help with research and projects is available within the Library. Computers are available for student use. A student ID is required in order to check out any materials from the Library or to use a computer. A self-service, black and white
copier is also available. Hours of operation are Monday-Thursday from 7am until 9:30pm.

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