Course Number: RADS 1001  x10, x11  1 credit  Fall 2010
Course Title: Introduction to Radiography
Faculty: Jammie Wilbanks, MSRS, RT(R)
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Fax: 940-397-4845
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Course Overview: This course provides an overview of radiologic sciences for individuals considering entering the Radiologic Technology program. Content includes the historical development of medical imaging and radiation therapy, basic principles of radiation protection, introduction to various modalities, professional communication, ethical and legal issues for health care professionals. Learning Outcomes: The student will exhibit ethical and legal standards; demonstrate basic radiation protection practices; and relate the role of radiography to health care.

SCANS Competencies: The Secretary’s Commission on Achieving Necessary Skills (SCANS) was established to determine skills that students need in order to succeed in the work environment.

1. Basic Skills
2. Thinking Skills
3. Personal Qualities
4. Resources
5. Interpersonal Skills
6. Information
7. Systems
8. Technology

Course Objectives (with SCANS): Upon completion of this course, a student will:
1. Discuss radiologic technology history and its emerging development. (1,6)
2. Recognize and describe various members of the health care team. (1,2)
3. Describe various professional organizations related to radiologic technology. (1,7)
4. Describe clinical education and discuss various policies related to clinical education. (1,2,6,7)
5. Provide an overview of the administration of health care organizations in general and radiology departments in particular. (1,2,4,5)
6. Describe, in general terms, image production and the criteria for determining radiographic quality. (1,2,6,7,8)
7. Recognize and explain manipulation of routine and fluoroscopic equipment. (1,2,6,7,8)
8. Describe and implement basic radiation protection principles. (1,2,3,5,6,7,8)
9. Discuss applications of ethical professional behavior. (1,2,3,5,6,7)
10. Provide an overview of medical law as it applies to radiologic technology professionals. (1,2,3,5,6,7)
Textbooks:

Additional Resources:

Students must have reliable and continual computer and Internet access. All course activities, including the exams and final exam, will be completed use WebCT.

Evolve Resources: [http://evolve.elsevier.com/](http://evolve.elsevier.com/)
You will have to create a username and password. Search for the books by title.


Attendance: This is an online course and there are no mandatory sessions. However, the student should be vigilant in logging onto WebCT. Regular checks will insure that messages from the instructor are received in a timely manner. This course is on a schedule that will be strictly adhered to. See the Course Schedule for specific information about activities and due dates.

The instructor will be available to meet face-to-face with any interested students on 8/24/10, 3:00pm – 5:00pm. This meeting is optional and must be confirmed by email ahead of time with the instructor.

Special Needs: In accordance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, Midwestern State University endeavors to make reasonable adjustments in its policies, practices, services, and facilities to ensure equal opportunity for qualified persons with disabilities to participate in all educational programs and activities.

The Office of Disability Services (ODS) provides information and assistance, arranges accommodations, and serves as a liaison for students, instructors, and staff. The ODS has assistive devices such as books on tape, recorders, and adaptive software which can be loaned to qualified individuals. A student/employee who seeks accommodations on the basis of disability must register with the Office of Disability Services in the Counseling Center, Clark Student Center Room 108. Documentation of disability from a competent professional is required.

Individuals with grievances related to discrimination or lack of accommodation on the basis of a disability are encouraged to resolve the problem directly with the area involved. If the matter remains unresolved, advice and/or assistance will be provided by the Office of Disability Services for resolution. The grievance procedure may be found in the Student Handbook and Activities Calendar.

The Director of the Counseling Center serves as the ADA Coordinator and may be contacted at (940)397-4618, TDD (940)397-4515, or 3410 Taft Blvd., Clark Student Center Room 108.

Evaluation:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
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<tbody>
<tr>
<td>Module Exams</td>
<td>40%</td>
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<tr>
<td>Module Activities</td>
<td>20%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>40%</td>
</tr>
</tbody>
</table>

Grade Scale:

- A: 100-90
- B: 89-80
- C: 79-75
- D: 74-65
- F: 64 & below

The last opportunity to drop this course with a grade of “W” is 4:00pm October 18, 2010. Refer to the Undergraduate Bulletin for details about receiving a grade of “Incomplete” in a course.

In an emergency or extenuating circumstance, a student may request a grade of “Incomplete” in a course before grades are submitted.

If the instructor grants the “Incomplete,” the student has until thirty (30) days after the beginning of the next long semester to complete the course requirements. If the student does not complete the course requirements within the deadline, the grade of “Incomplete” will automatically convert into a grade of “F.”
Administrative Process: Unresolved issues related to this course should be first addressed between the student and the course instructor. If there is no resolution, students must follow this sequence:

Department Chair – Dr. Donna Wright (940-397-4615)
College Dean – Dr. Susan Sportsman (940-397-4594)
Dean of Students – Dail Neely (940-397-6273)

Honor System: RADS 1001 adheres to the MSU Code of Conduct. In particular, academic dishonesty, however small, creates a breach in academic integrity. A student’s participation in this course comes with the expectation that his or her work will be completed in full observance of the MSU Code of Student Conduct. A student should consult the current Student Handbook for answers to any questions about the code.

Many components of RADS 1001 are designed to be highly interactive with students helping each other learn. Students are encouraged to take full advantage of many resources available including online WebCT course resources, Internet sites, other textbooks and journals, faculty, and peers when answering objectives. This interactive collegial learning environment is conducive for life-long learning.

Specific components of RADS 1001 are designed to represent the efforts of each student INDIVIDUALLY and are NOT to be shared or copied (plagiarized) from other sources. These components include the discussion board activities, WebCT Open Book Module Quizzes and the WebCT Comprehensive Final Exam. When students submit their efforts for grading, they are attesting they abided by this rule.

Cheating includes, but is not limited to, (1) use of any unauthorized assistance in taking quizzes, tests, or examinations; (2) dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or completing other assignments; or (3) the acquisition of tests or other academic materials belonging to the university faculty or staff without permission.

Plagiarism includes, but is not limited to, the use of, by paraphrase or direct quotation without correct citation in the text and on the reference list, the published or unpublished works of another person. Students may NOT submit papers and assignments that they have previously submitted for this or other courses. The use of materials generated by agencies engaged in "selling" term papers is also plagiarism. Students are encouraged to review the tutorials and suggested websites for more information about plagiarism. Papers and other assignments may be submitted to an external agency for verification of originality and authenticity.

Academic dishonesty (cheating, plagiarism, etc.) will not be tolerated in this class. Whenever a student is unsure of whether a particular situation will be interpreted as academic dishonesty, he/she should ask the instructor for clarification. If students are guilty of academic dishonesty, a grade of zero (0) may be given for the quiz, assignment, etc. Cases may also be referred to the Dean of Students for possible dismissal from the university.

PLEASE NOTE
By enrolling in this course, the student expressly grants MSU a “limited right” in all intellectual property created by the student for the purpose of this course. The “limited right” shall include but shall not be limited to the right to reproduce the student’s work product in order to verify originality and authenticity, and for educational purposes. Specifically, faculty may submit student papers and assignments to an external agency to verify originality and authenticity, and to detect for plagiarism.

Communication with Instructor: Contact information for the instructor is listed at the beginning of this syllabus. Email is the preferred mode of communication – outside of classroom time and pre-arranged appointments. The instructor will respond or at least acknowledge email messages from students within a maximum of five (5) business days when MSU is in session. Beyond standard university holidays and breaks, the instructor will notify students of any extended periods of time when email contact is not practical (professional meetings, etc).

When emailing the instructor, you must use the following subject header:

1001_your last name_topic of message
Example: 1001_Smith_Quiz 4
This course will also include an UNGRADED Discussion Board on WebCT. There will be two main sections, one section for questions for the instructors and one section for social messages. Students may post questions they want the instructors to answer on the Discussion Board and one of the instructors will respond so that the entire class will benefit from the answers.

Please note: The instructor will only use the student’s MSU email account. If students use other accounts more frequently, they should have their MSU email forwarded. There will be no exceptions. If students do already have a MSU email account, they can go to http://infosys.mwsu.edu/email.asp to sign up for a MSU account and for more information. Students are responsible for updated their WebWorld information with this email address.

CLASS ACTIVITIES AND ASSIGNMENTS

All assignments, quizzes, group projects, discussion board, etc. must be completed and submitted by the due date indicated on the course schedule at the end of this syllabus. If a student cannot complete a course activity by the indicated due date, he or she MUST contact the course instructor IMMEDIATELY. Please note that there will be at least a 10-point penalty for any late submission, and that preapproval is required. Any activity not completed and submitted by the due date will be addressed on an individual basis.

Independent Reading Assignments
Students must read the assigned chapters and extra resources before attempting the module exams.

Module 1: Chapters 1, 2, 6, 3, 4
Module 2: Chapters 8, 7
Module 3: Chapters 9, 5
Module 4: Chapters 12, 22, 23, 24, 10

Module Activities
Students must select one discussion activity from each module to complete. Students must also complete two peer reviews to include rating and substantial comment/critique for each module. More information can be found in the course discussion board (WebCT).

Exams
Exams must be completed by the student on WebCT. Exams are timed, open book and may contain a variety of question types including but not limited to: multiple choice, true-false, fill-in-the-blank, essay, diagrams. Each exam will contain 50 questions and students will be given 60 minutes to complete each quiz.

Sharing information about a content exam or answers to questions on a content exam is considered cheating and is a violation of the MSU Code of Honor. Refer to the Honor System for more information.

Be sure to read the Instructions and Troubleshooting information before taking the exams. If you do experience some difficulties, you must try to contact the course instructor immediately. You must also complete an online problem form (the link can be found in the course’s WebLinks).

Comprehensive Final Exam ----PROCTORED---
The final will be a comprehensive closed-book final exam. Students must take the final exam at the stated time and date – No exceptions! The exact date and time will be given towards the end of the semester.
Be sure to read the Instructions and Troubleshooting information before taking the final exam.

The final exam will contain 100 questions, and students will have 2 hours to complete it.

Proctor Guidelines and the Proctor Application form are available on WebCT. The MSU Radiologic Sciences department uses a standardized protocol and proctor application. Students must provide the proctor with the Proctor Guidelines. Students should submit the completed proctor application to the course instructor (faxed or emailed from proctor).
## Fall 2010 COURSE SCHEDULE
*This schedule is subject to change. Students will be notified of any changes.*

<table>
<thead>
<tr>
<th>Date</th>
<th>Activity Due</th>
<th>Date</th>
<th>Activity Due</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>August 21</em></td>
<td><em>Classes Start</em></td>
<td><em>August 30</em></td>
<td><em>Module 1 Opens</em></td>
</tr>
<tr>
<td><em>August 23</em></td>
<td><em>Module 1 DB Post</em></td>
<td><em>September 6</em></td>
<td><em>Module 1 DB Peer Response</em></td>
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<tr>
<td><em>August 30</em></td>
<td></td>
<td>*September 13</td>
<td><em>Module 1 Exam</em></td>
</tr>
<tr>
<td><em>September 6</em></td>
<td><em>Module 1 DB Post</em></td>
<td>*September 20</td>
<td><em>Module 2 DB Peer Response</em></td>
</tr>
<tr>
<td>*September 13</td>
<td></td>
<td>*September 27</td>
<td><em>Module 2 Exam</em></td>
</tr>
<tr>
<td>*September 20</td>
<td><em>Module 2 Opens</em></td>
<td><em>October 4</em></td>
<td><em>Module 2 DB Peer Response</em></td>
</tr>
<tr>
<td>*September 27</td>
<td></td>
<td><em>October 11</em></td>
<td><em>Module 3 Open</em></td>
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<tr>
<td><em>October 4</em></td>
<td></td>
<td><em>October 18</em></td>
<td><em>Module 3 DB Post</em></td>
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<tr>
<td><em>October 11</em></td>
<td></td>
<td><em>October 25</em></td>
<td><em>Module 3 DB Peer Response</em></td>
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<tr>
<td><em>October 18</em></td>
<td><em>Last day to withdraw with a “W” (4:00pm CST)</em></td>
<td><em>November 1</em></td>
<td><em>Module 3 Exam</em></td>
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<tr>
<td><em>October 25</em></td>
<td></td>
<td><em>November 8</em></td>
<td><em>Module 4 DB Post</em></td>
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<tr>
<td><em>November 1</em></td>
<td><em>Module 4 Opens</em></td>
<td><em>November 15</em></td>
<td><em>Module 4 DB Peer Response</em></td>
</tr>
<tr>
<td><em>November 8</em></td>
<td></td>
<td><em>November 22</em></td>
<td><em>Module 4 Exam</em></td>
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<tr>
<td><em>November 15</em></td>
<td></td>
<td><em>November 29</em></td>
<td>(MSU will be closed 11/24 – 11/28)</td>
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<tr>
<td><em>November 22</em></td>
<td>(12/1 – Last day of classes)</td>
<td><em>December 6</em></td>
<td><em>Final Exam Opens</em></td>
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<tr>
<td><em>November 29</em></td>
<td></td>
<td><em>December 10</em></td>
<td>Final Exam Closes (12 noon)</td>
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*All activities open at 8:00am on the date indicated. *All activities (except Final Exam) are due by 11:55pm CST on the date indicated.