

University of Montana

ScholarWorks at University of Montana

Syllabi

Course Syllabi

Fall 9-1-2006

RAD 211T.01: Radiographic Procedures II

Anne V. Delaney

University of Montana - Missoula, anne.delaney@umontana.edu

Follow this and additional works at: <https://scholarworks.umt.edu/syllabi>

Let us know how access to this document benefits you.

Recommended Citation

Delaney, Anne V., "RAD 211T.01: Radiographic Procedures II" (2006). *Syllabi*. 10723.
<https://scholarworks.umt.edu/syllabi/10723>

This Syllabus is brought to you for free and open access by the Course Syllabi at ScholarWorks at University of Montana. It has been accepted for inclusion in Syllabi by an authorized administrator of ScholarWorks at University of Montana. For more information, please contact scholarworks@mso.umt.edu.

**THE UNIVERSITY OF MONTANA – MISSOULA
COLLEGE OF TECHNOLOGY
DEPARTMENT OF RADIOLOGY TECHNOLOGY**

COURSE SYLLABUS

COURSE NUMBER AND TITLE: RAD 211T Radiographic Procedures II

DATE REVISED: Fall 2006

CLASS TIME: Friday, 11:40 -1:00

SEMESTER CREDITS: 3

PREREQUISITES: SCN 119N Anatomy and Physiology, CRT 101 Intro to Computers, MAT 100T Algebra, RAD 110T Medical Imaging, RAD 111 T, RAD 121 T, RAD 131 T

Faculty: Anne Delaney
E-Mail: Anne.Delaney@umontana.edu
Phone: 243-7809
Office: AD
Office Hours: By appointment

RELATIONSHIP TO PROGRAM: Students will learn the special nursing skills needed to care for patients in an imaging department. Students will be challenged to use critical thinking to when facing legal and ethical issues.

COURSE DESCRIPTION: Content of the class is designed to establish students with a knowledge base in quality patient care and to follow the code of ethics as written by the American Registry of Radiologic Technologists.

STUDENT PERFORMANCE OUTCOMES:

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

1. Describe specialized standards of behavior for the healing arts as a continuum, with historical and philosophical roots in the earliest periods of human history.
2. List the major milestones in the development of codes of behavior and ethical standards in the healing arts.
3. Explain ethics as a branch of philosophy and the moral, social and cultural basis of the development of an ethic.
4. Describe the moral, social and cultural basis of ethics.
5. Apply medical/professional ethics in the context of a broader societal ethic
6. Explain concepts of personal honesty, integrity, accountability, competence and compassion as ethical imperatives in health care.
7. Explain the role of ethical behavior in health care delivery

8. Differentiate between empathetic rapport and sympathetic involvement in relationships with patients and relate these to ethical conduct.
9. List legal/professional standards and their relationship to practice in health professions.
10. Identify specific situations and conditions that give rise to ethical dilemmas in health care.
11. Discuss the *US Genome Project* relative to the cause of genetically induced disease.
12. Explore the ethical issues of genetic screening.
13. Explain the genetic counseling responsibility of health care providers.
14. Employ a basic system of examination, clarification, determination of alternatives and decision-making in addressing ethical questions.
15. Explain select concepts embodied in principles of patients' rights, the doctrine of informed (patient) consent and other issues related to patients' rights.
16. Explain the legal implications of professional liability, malpractice, professional negligence/carelessness and other legal doctrines applicable to professional practice.
17. Describe the importance of accurate, complete, correct methods of documentation as a legal/ethical imperative.
18. Explore theoretical situations and questions relating to the ethics of care and health care delivery.
19. Explain specific legal terms, principles and laws.
20. Outline the elements necessary for a valid malpractice claim..
21. Describe the scope of practice for radiography, the elements that comprise it and responsibilities of the radiographer.
22. Differentiate between professional and legal standards and describe how each relates to the radiography profession.
23. Describe institutional and professional liability protection typically available to the radiographer.
24. Describe the elements and implications of informed consent.
25. Identify standards for disclosure relative to informed consent.
26. Describe how consent forms are utilized relative to specific radiographic procedures.
27. Describe the scope of practice for the radiographer as defined by the ASRT and state licensure.
28. Explain select perceptions of death and dying from patient and technologist viewpoints.
29. Describe ethical, emotional, personal and physical aspects of death.
30. List the stages of dying and describe the characteristics of each stage.
31. Identify methods for determining the correct patient for a given procedure.
32. Explain the use of various communication devices and systems.
33. Explain specific aspects of a radiographic procedure to the patient.
34. Demonstrate correct principles of body mechanics applicable to patient care.
35. Demonstrate techniques for specific types of patient transfer.
36. Demonstrate select procedures for turning patients with various health conditions
37. Describe select immobilization techniques for various types of procedures and patient conditions.
38. Describe specific patient safety measures and concerns.

39. Explain the purpose, legal considerations and procedures for reporting an accident or incident.
40. Describe methods for evaluation of patient status.
41. List the information to be collected prior to patient examination.
42. Describe vital signs used to assess patient condition.
43. Convert a Fahrenheit measurement to the Celsius equivalent.
44. State the normal temperature values for the oral and rectal routes of measurement.
45. Describe the method of monitoring respiration and state the normal values expected.
46. Identify the normal values for blood pressure for males and females
47. Identify the seven major sites for monitoring the pulse and indicate the normal values.
48. Assess patient vital signs.
49. List the normal ranges for specific laboratory studies.
50. Define terms related to infection control.
51. Describe the importance of Standard Precautions and Isolation Procedures.
52. Explain the purpose, precautions and care of tubes, lines, catheters and collection devices.
53. Outline the steps in the operation and maintenance of suction and oxygen equipment and demonstrate their use.
54. Demonstrate competency in cardiopulmonary resuscitation (CPR).
55. Demonstrate the use of specific medical emergency equipment and supplies.
56. Demonstrate select first aid techniques.

STUDENT PERFORMANCE ASSESSMENT METHODS AND GRADING PROCEDURES:

Grading scale:

100-90 A

89-80 B

79-70 C

69-60 D

Total grade will be determined by total points received on homework, tests, final paper and final exam.

Quizzes:	20%
Tests:	20%
Paper:	30%
Final Exam:	<u>30%</u>
	100%

Instructions for Semester Paper: Choose a topic or several related topics from the list of student performance outcomes. Give me your topic in writing no later than Friday, September 29, 2006. Research and expand upon the subject in a type written paper, double spaced and 3 to 4 pages in length. Use 12pt font and one inch top and bottom margins. Students will present these papers to the class during class on December 6th and

9th. This paper is to include a reference and bibliography page in addition to the 3 to 4 pages.

The purpose of the presentation is to instruct fellow students, provide opportunity for discussion and to gain confidence in presenting ideas and information. Please send me an electronic copy of your paper prior to the day you are presenting and give me a hardcopy directly following your presentation.

Papers will be graded for content, interest, and attention to detail, correct grammar and punctuation. Presentations will represent 10% of the paper grade. Plagiarism will not be tolerated; if you are quoting a source you must reference it. Papers found to be plagiarized will be reduced by 20 points. Use of previous papers written by a student and turned as new material will be considered plagiarized.

Note: Students must pass this course with a “B” (80%) in order to continue with the Radiology Technology Program the next semester.

ATTENDANCE POLICY: All students are expected to come to class each day, on time and prepared by having read the required chapters. Class participation is expected and may impact grades that are borderline.

REQUIRED TEXT: *Ethical and Legal Issues for Imaging Professionals, Doreen M. Towsley-Cook and Terese A Young.*

Basic Medical Techniques and Patient Care in Imaging Technology, 6th Edition, Lillian S. Torres, TerriAnn Linn-Watson Norcutt, Andrea Guillen Dutton

RAD 211T Radiographic Procedures

DATE	READING ASSIGNMENT	WORK DUE
September 1	Introduction	
September 8	ARRT Ethics/ ASRT Radiology Practice Standards	Debbie Fillmore
September 15	Patient Care - Chapter 3 Patient Care – Chapter 4	Infection Control Video
September 22	Surgery Video Patient Care – Chapter 5 Patient Care –Chapter 6	Quiz – Definitions from first 4 Chapters
September 29	Test Patient Care - Patient Care - Chapter 7 - Chapters 8	
October 6		Test Chapter 3-6 Paper topics due
October 13	Patient Care - Chapters 9 Patient Care – Chapter 10 First half of Chapter 11	
October 20	Patient Care - Chapters 11 Bob Wafstad	Quiz – Definitions from chapters 5-11
October 27	Patient Care - Chapter 12 – Chapter 13 Ethics - Chapter 1	Mary McHugh
November 3	Mary Neilson and Drug Administration Test	IV Administration Patient Care chapters 7 - 13
November 10	Veterans Day	
November 17	Ethics Chapter 2 -3	?? Mark Hanson
November 24	Thanksgiving	
December 1	Ethics Chapter 4 -5 Ethics Chapter 6-9	?? Monica Trimble
December 8	Paper Presentations	
December 11 – 15	Finals	

2/13/2020