Current Chair: Dr. Brian Morgan

Request for Undergraduate Course Addition

Prepare one paper copy with all signatures and forward to the University Curriculum Committee Chair. Additionally, immediately following attainment of the College Curriculum Chair signature, send ***one*** identical ELECTRONIC COPY sans signatures in PDF format with all supporting documentation converted to PDF format by email to the University Curriculum Committee chair for electronic distribution.

College: COHP Department/Division: Medical Imaging Alpha Designator / Number : MI 201 Graded: √ CR/NC: ☐

Contact Person: Dr. Shelia Kyle, Vice President Phone: 304-526-1412
St. Mary's Center for Education

Dr. Rita Fisher _ _____ 304-526-1259
Director – School of Medical Imaging

NEW COURSE DATA:

New Course Title: Introduction to Radiography

Alpha Designation/Number:

M	I		2	0	1				

Title Abbreviation:

I	N	T	R	O		T	0		R	A	D	I	O	G	R	A	P	H	Y				

(Limit of 25 characters and spaces.)

Course Description (Limit of 30 words): Provides an overview of the foundations in radiography and the practitioner's role in the health care delivery system and professional responsibilities of the radiographer

Co-requisite(s): None First Term to be offered: Summer 09

Prerequisite(s): BSC 228, CHM 203, MTH 121 or higher, PHY 101, & Admission to the Medical Imaging Program Credit Hours: 3

Course(s) being deleted in place of this addition *(must submit course deletion form):* None

CHECKLIST/REQUIREMENTS:

1. After completing this two page form in its entirety, include a complete syllabus and route through the departments/committees below.
2. A complete syllabus can be from when this course was previously taught as a special topics course or by creating a new, intended syllabus to use with the course. The sample syllabus must at a minimum address the following areas:
    a. COURSE OBJECTIVES
    b. COURSE OUTLINE
    c. SAMPLE TEXT(S) WITH AUTHOR(S) AND PUBLICATION DATE
    d. INSTRUCTIONAL METHODS (Lecture, Lab, Internship, Practicum, etc...)
    e. EVALUATION METHODS (Unit/Chapter, Midterm, Final, Projects, etc...)
3. If this course will replace a course that is required by another department, please send a memo to the affected department and include it with this packet, as well as, the response received from the affected department.
4. If this course will be similar in title or content to another department's courses, please send a memo to the affected department and include it with this packet, as well as, the response received from the affected department.
5. Send a copy of this completed form to the Marshall University Catalog Editor.

SIGNATURES: (If disapproved at any level, do not sign. Return to previous signer.)

Department Chair/Division Head_____ Date: _____

Registrar:_____ Date: _____

Librarian: _____ Date: _____

College Dean: _____ Date: _____

College Curriculum Chair_____ Date: _____

University Curriculum Committee Chair: _____ Date: _____

Faculty Senate Chair: _____ Date: _____

VP Academic Affairs/VP Health Services: _____ Date: _____

Request for Undergraduate Course Addition - Page 2

Additional Information Required for Undergraduate Course Addition

College: COHP Department/Division: Medical Imaging Alpha Designator/Number: MI 201

Provide complete information regarding the new course addition for each topic listed below. Before routing this form, a complete syllabus also must be attached addressing the items listed on the first page of this form.

1. Identify by name the faculty in your department/division who may teach this course.

   Rita Fisher, PhD RT (R)(CT)(CV)(ASRT)

2. If your department/division requires additional faculty, equipment, or specialized materials, attach an estimation of money and time required to secure these items.

   No additional funding required

3. If this course will be required by a department/division other than your own, identify by name.

   N/A

4. If there are any agreements required to provide clinical experience, attach details and signed agreements.

   No additional agreements will be needed for this class

5. If library resources are deemed inadequate, attach a plan to overcome this. The plan must include the cost as stated by the Dean of Libraries.

   No additional Library Resources to be provided by Marshall University

6. EQUIPMENT/SUPPLIES NEEDED TO TEACH THIS COURSE (this does not refer to additional equipment/supplies that need to be purchased; simply what materials are needed in order to teach this course successfully.):

   Computer, LCD Projector, Projector Screen, White Board, Markers, Handouts, CD Rom's

   No additional equipment or supplies will need to be provided by Marshall University

7. ADDITIONAL GRADUATE REQUIREMENTS IF LISTED AS AN UNDERGRADUATE OR GRADUATE COURSE (please also submit to Graduate Council course addition for 5xx graduate component):

   None

8. PROVIDE A COMPLETE BIBLIOGRAPHY INCLUDING ALL PUBLICATIONS RESEARCHED TO CREATE THIS COURSE AND WHAT PUBLICATIONS MAY BE BENEFICIAL TO STUDENTS TAKING THIS COURSE (separate page).

   See attached sheet

BIBLIOGRAPHY:

Adler A, Carlton R. *Introduction to Radiography and Patient Care*. 4th ed. Philadelphia, Pa: WB Saunders; 2007. ISBN 1416031944

Acello B. *Patient Care: Basic Skills for the Health Care Provider*. Albany, NY: Delmar Thomson Learning; 2000. ISBN 0766801829

Callaway W, Gurley LT. *Introduction to Radiologic Technology*. 5th ed. St. Louis, Mo: Mosby; 2002. ISBN 0323014488

Campeau FE. *Radiography: Technology, Environment, Professionalism.* Philadelphia, Pa: Lippincott Williams & Wilkins; 1999. ISBN 0397551967

Chabner DE. *The Language of Medicine.* 7th ed. Philadelphia, Pa: WB Saunders; 2004. ISBN 1416001271

Clinical Governance [pamphlet]. London, England: College of Radiographers; 1999.

Diestler S. *Becoming a Critical Thinker: A User Friendly Manual*. 4th ed. Upper Saddle River, NJ: Prentice Hall; 2005. ISBN 0131779982

Diller JV. *Cultural Diversity: A Primer for the Human Services*. 2nd ed. Cambridge, Mass: Wadsworth Publishing Co; 2004. ISBN 0534522211

Gurley LT, Callaway WJ. *Introduction to Radiologic Technology*. 5th ed. St. Louis, Mo**:** CV Mosby; 2002. ISBN 0323014488

Harris EL. *The Shadowmakers, A History of Radiologic Technology.* Albuquerque, NM: The American Society of Radiologic Technologists; 1995. ISBN 1886800006

Hiss S. *Introduction to Health Care Delivery and Radiology Administration*. Philadelphia, Pa: WB Saunders Company; 1997. ISBN 0721653146

O'Neil, SL. *Your Attitude is Showing: A Primer of Human Relations.* 10th ed. Upper Saddle River, NJ: Prentice Hall; 2002. ISBN 013022507.

COURSE SYLLABUS OUTLINE

Course Title and Number: MI 201 Introduction to Radiography
Semester and Year: Summer 2009
*Course with Special Designation: none
Text Information: Adler and Carlton. 2007 Introduction to Radiologic Sciences and Patient Care. 4th ed. Saunders
Computer Requirements: access to the internet:

Instructor: Name: Dr. Rita Fisher
Office: Room 212
Office Hours: As arranged
Phone/email: 526-1259, rfisher@st-marys.org

Course Description: Content is designed to provide an overview of the foundations in radiography and the practitioner's role in the health care delivery system. Principles, practices and policies of the health care organization(s) will be examined and discussed in addition to the professional responsibilities of the radiographer. Students will become BCLS certified and undergo orientation required by JACHO prior to entering clinical practice. Students will be introduced to the concept of radiation protection for occupational workers, patients, family and visitors.

Credits: 3
Prerequisites: BSC 227, BSC 228, CHM 203, MTH 121, PHY 101, PHY 101L, Admission to School of Medical Imaging
Co-requisites: None

Desired Learner Outcomes/Objectives: When finished with this course you should be able to:
Objectives

1. Identify other health science professions that participate in the patient's total health care.
2. Describe the relationship of these health care workers to the integrated care of patients.
3. Identify various settings involved in the delivery of health care.
4. Identify and discuss the responsibilities and relationships of all personnel in the radiology department.
5. Explain patient services available in the radiology department.
6. Explain the purposes of accreditation and certification and identify the agencies involved.
7. Identify the benefits of continuing education as related to improved patient care and professional enhancement.
8. Achieve BCLS certification. This will satisfy one of the mandatory general patient care clinical competencies as required by the ARRT. Refer to the student handbook for additional information.

Evaluation/Measurement/Assessment of Learner Outcomes:

1. 4 Exams: Exams will be administered to cover the content material found in the text, delivered in lecture and any additional materials. Exams will be multiple choice, true/false and short answer.
2. Class participation
3. Comprehensive final exam. Students who have achieved an A (93.1%) in the class may be exempt from the final exam.
4. Demonstration of the general patient care competency requirement for CPR.

Your demonstrated daily preparation, participation, and punctuality can raise or lower your final grade.

Grading Policy:

Exams: 100 points each	75% of grade
Final Exam	25% of grade

Grades will be determined by the following scale:

92.3-100	A
84.3-92.2	B
74.3-84.2	C
Below 74.3	F

Policy Statements:

1. **Attendance:** Regular attendance is expected. Students who miss more than two classes will receive a one letter drop in the final grade. You cannot pass the course with more than four absences. You must be present at the beginning of the class and stay until the end of class in order to be counted present. *The School of Medical Imaging follows Marshall University inclement weather policy. Refer to the Student Handbook.*
2. **Preparation, participation, punctuality.** All preparation material should be completed prior to its scheduled discussion in class. All class sessions will be conducted with the assumption that all appropriate readings and/or assignments have been completed. Doing the preparation work prior to class will allow you to identify specific topics with which you need the most help, and you can then raise the pertinent questions when the topic is scheduled for class time. Not all assigned information will be reviewed in class. Additionally, information that may not have been assigned may be reviewed in class. If you have a question about a particular subject, you have the responsibility of using class time to get your questions answered. This necessitates having attempted the work prior to class. Class time should be used to clarify issues; it is difficult to know what issues you need to have clarified if you have not prepared.
3. **Academic integrity**: Please refer to the Student Handbook. Students may not copy or utilize prior exams as study material unless provided by the instructor for review. Students who obtain copies of old exams from current or former students will be sanctioned.
4. **Make-up assignments**: **Late assignments will not be accepted**. Students who miss scheduled exams may make them up only in the event of a medical emergency or by prior arrangement with the instructor.
5. **Missed classes**: If you are absent, it is your responsibility to find out from a classmate what notes, handouts, assignments, or other course material you missed and to make arrangements with me to receive handouts.
6. **Office hours**: Instructors are available to meet individually by appointment.
7. **Learning Disabled Students**: consideration toward learning disabled students will be in accordance to SMI Student Handbook policies. Please make certain the instructor is made aware of any special needs.
8. **Computing policy at SMMC**:
    a. Authorized users of SMMC or other clinical affiliates institutional networks are those individuals who have been granted a username and password. Unauthorized use of usernames or passwords is prohibited
    b. Use of computer systems in the clinical setting is limited to authorized patient data entry. Unauthorized access or attempts to access privileged patient information is a HIPAA violation and may result in dismissal from the SMI.
    c. Students are provided access to the Internet through computers located in the School of Nursing Library, the computer lab and the SMI office. **Internet access is limited to assigned research projects**. Students may not access personal e-mail accounts (such as Hotmail or Yahoo) from these computers. Non school related use of the internet is prohibited. Students may access the internet via computers located in the Mojo/vending area in the hospital.
    d. Internet access at SMMC is monitored by Information Services. Any attempts to download material of an obscene nature may result in dismissal from the SMI.
    e. Students have access to computers located in the computer lab next to the SMI classroom. Students may not store information of the hard drive of these computers.
    f. Users must adhere to the ethical standards governing copyright, software licensing, and intellectual property.
    g. Suspected violation of these guidelines constitutes unacceptable use of information resources, and may violate other institutional policies and/or state and federal law including HIPPA. Suspected or known violations should be reported to the appropriate supervisory authority. The SMI and/or law enforcement agencies will process violations.
    h. Violations may result in revocation of computing resource privileges, academic dishonest proceedings, disciplinary action or legal action.
    i. Violations are subject to the appeal or grievance process.
    j. Students should refer to computer policy in the CFE Student handbook

Proposed Course Schedule.

Dates and content are subject to change as the semester progresses. Changes will be announced in class as far in advance as possible.

Week	Topic	Reading Assignment/Exam
	ARRT Code of Ethics	http://arrt.org/ethics/standardethic.pdf
	Introduction to Radiologic Technology	Chapter 1
	Professional Organizations	Chapter 2
	Radiology Administration	Chapter 6
	Exam One	
	Educational Survival Skills	Chapter 3
	Critical Thinking and Problem Solving	Chapter 4
	Introduction to Clinical Education	Chapter 5, assigned reading
	Exam Two	
	Basic Radiation Protection and Radiobiology	Chapter 10
	Radiographic and Fluroroscopic Equipment	Chapter 8
	Exam Three	
	Radiographic Imaging	Chapter 7, assigned reading
	Exam Four	
	Review	
	Final Exam	