

## 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 409      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: Advanced Clinical Practice

Alpha Designation/Number: 

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Title Abbreviation: 

A	D	V		C	L	I	N	I	C	A	L		P	R	A	C	T	I	C	E			
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(Limit of 25 characters and spaces.)

Course Description (Limit of 30 words): Students will arrange clinical experience in selected imaging modality to gain competency in clinical procedures required to sit for post-primary ARRT certification exams.

Co-requisite(s): NONE      First Term to be offered: Spring 2010

Prerequisite(s): Senior status or ARRT certification      Credit Hours: 4

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 409

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)(ARRT)

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 SMMC has existing agreements to provide clinical experience. All clinical affiliates are approved by JACHO and JRCERT.

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:**

[http://arrt.org/examinations/contentspecs/CT\\_CS\\_2005.pdf](http://arrt.org/examinations/contentspecs/CT_CS_2005.pdf)

[http://arrt.org/examinations/contentspecs/MRI\\_CS\\_2006.pdf](http://arrt.org/examinations/contentspecs/MRI_CS_2006.pdf)

[http://arrt.org/examinations/contentspecs/QM\\_CS\\_2004.pdf](http://arrt.org/examinations/contentspecs/QM_CS_2004.pdf)

[http://arrt.org/examinations/contentspecs/CI\\_CS\\_2007.pdf](http://arrt.org/examinations/contentspecs/CI_CS_2007.pdf)

[http://arrt.org/examinations/contentspecs/CS\\_VI2008.pdf](http://arrt.org/examinations/contentspecs/CS_VI2008.pdf)

## COURSE SYLLABUS OUTLINE

### Course Title and Number: MI 409 Advanced Clinical Practice

Semester and Year: Spring 2010

\*Course with Special Designation: none

Text Information: Readings as assigned.

www.netanatomy.com

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](mailto:rfisher@st-marys.org)

**Course Description:** Students in advanced clinical practice tracks will be required to complete ACLS certification. Students will be responsible for arranging clinical experience in an approved clinical facility in computed tomography, magnetic resonance imaging, vascular/interventional imaging or cardiac imaging. ARRT post-primary exams in CT, MRI, VI and CV require that all recorded clinical procedures be completed within 24 months of the exam. Students will be advised of specific exam content. Students and program director will determine the minimum number of exams the student must achieve based on specific post-primary exam content.

**Credits:** 4

**Prerequisites:** Senior status or ARRT certification, ACLS certification.

**Co-requisites:**

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

1. Partial completion of the clinical requirements for an advanced (post-primary) ARRT certification examination.
2. Demonstrate ACLS certification (course offered at St. Mary's Medical Center for Education)

**Evaluation/Measurement/Assessment of Learner Outcomes:**

1. Students will submit a copy of the clinical examination completion form as required by the ARRT for candidacy for an advanced certification examination. Requirements vary according to the exam.
2. Student evaluations will be submitted by the clinical supervisor.
3. Successful completion of ACLS certification.

**Grading Policy:**

Clinical evaluation	50%
Exam completion form	50%

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 MCTC computer policy in the MU Student handbook

### **Proposed Course Outline**

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

**Specific clinical competency requirements available at [www.rrt.org](http://www.rrt.org)**

## **Clinical Experience for Post-Primary Certifications**

First-time candidates for a post-primary certification must meet clinical experience requirements before applying for certification. Candidates must complete and document specific procedures before signing the certification application. Whenever the requirements are revised, candidates are allowed a one-year grace period during which either the old or new requirements are acceptable. To learn more about each discipline's requirements, click on the links below or consult the certification handbook. To order a handbook, go to [My ARRT Information](#), or use the [interactive telephone system](#), or call (651) 687-0048 ext. 560.

**Statement of Purpose:** The purpose of the clinical experience requirements is to verify that candidates have completed a subset of the clinical procedures within a discipline. Successful performance of these fundamental procedures, in combination with mastery of the cognitive knowledge and skills covered by the certification examination, provides the basis for acquisition of the full range of clinical skills required in a variety of settings.

Candidates should document clinical experience without patient identifiers in order to achieve compliance with the Health Insurance Portability and Accountability Act (HIPAA). For each procedure, indicate the date and time it was performed, omitting any patient identifiers. When ARRT selects an individual's application for audit, supervisors will be asked to confirm that the procedure was indeed performed by that individual at that time.

Direct any questions about ARRT's clinical experience documentation procedures to ARRT at (651) 687-0048, ext. 560.

[Computed Tomography](#)

[Magnetic Resonance Imaging](#)

[Quality Management](#)

[Vascular Sonography](#)

[Cardiac-Interventional Radiography](#)

[Vascular-Interventional Radiography](#)

A list of approved clinical sites will be provided.