New Course Request

Check Appropriate Boxes:  Undergraduate credit [✓]  Graduate credit [ ]  Professional credit [ ]

1. School/Division  Radiologic Sciences/School of Medicine

2. Academic Subject Code  RADI

3. Course Number  RADI-R415 (must be cleared with University Enrollment Services)

4. Instructor  Linda Cox

5. Course Title  Essential Radiology for the Imaging Technologist I

   Recommended Abbreviation (Optional) — (Limited to 32 Characters including spaces)

6. First time this course is to be offered (Semester/Year):  Fall 2010

7. Credit Hours: Fixed at 2, or Variable from _________ to _________

8. Is this course to be graded S-F (only)?  Yes [✓]  No [ ]

9. Is variable title approval being requested?  Yes [ ]  No [✓]

10. Course description (not to exceed 50 words) for Bulletin publication:

   Course is designed to introduce students to Medical Imaging modalities and the decision
   making process to determine which imaging method is appropriate for a particular disease,
   pathology, or injury.

11. Lecture Contact Hours: Fixed at _________, or Variable from _________ to _________

12. Non-Lecture Contact Hours: Fixed at 2, or Variable from _________ to _________

13. Estimated enrollment: 22, of which 0 percent are expected to be graduate students.

14. Frequency of scheduling:  Once per year  Will this course be required for majors?  Yes

15. Justification for new course:  The course is currently S/F and shares course number with other types of seminar courses. The new course will be graded.

16. Are the necessary reading materials currently available in the appropriate library?  Yes

17. Please append a complete outline of the proposed course, and indicate instructor (if known), textbooks, and other materials.

18. If this course overlaps with existing courses, please explain with which courses it overlaps and whether this overlap is necessary, desirable, or unimportant.

19. A copy of every new course proposal must be submitted to departments, schools, or divisions in which there may be overlap of the new course with existing courses or areas of strong concern, with instructions that they send comments directly to the originating Curriculum Committee. Please append a list of departments, schools, or divisions thus consulted.

Submitted by:

[Signature]  Date 11/19/09
Department Chairman/Division Director

Dean of Graduate School (when required)  Date

Approved by:

[Signature]  Date 12/10/09
Dean

Chancellor/Vice-President  Date

University Enrollment Services  Date

After School/Division approval, forward the last copy (without attachments) to University Enrollment Services for initial processing, and the remaining four copies and attachments to the Campus Chancellor or Vice-President.

University Enrollment Services Final—White; Chancellor/Vice-President—Blue; School/Division—Yellow;
Department/Division—Pink; University Enrollment Services Advance—White
Indiana University
Department of Radiology/Radiologic Sciences Programs
School of Medicine
R415 Essential Radiology for the Imaging Technologist I

Instructor: Linda A. Cox M.S., R.T. (R) (MR) (CT)

Phone Numbers: Work 274-5188
Home 484-0592 (no calls after 9:00 p.m. please)
Pager 541-7865
Email: lcox1@iupui.edu

Class Length: Arranged
Credit Hours: Fall-2 credits


The purpose of this course is to give students an understanding of how decisions are made regarding the selection of the appropriate medical imaging modality and exam performed in relation to various diseases and injuries. The course is self-study and self-paced during the semester.

Course Objectives:
By completion of this course, the student will:
• Acquire a broader understanding of the entire field of radiology.
• Explain some of the different disease states that are dealt with in the field of radiology.
• Explain which radiologic procedures are used in the diagnosis and treatment of many types of disease states.
• Acquire a general knowledge of how physicians use patient data and read images for use in patient case management.
• Understand what represents quality patient data and images for physician use in the overall management of patient cases.

Course Requirements:
1. Read the Essential Radiology book and turn in ten (10) questions per chapter. Questions should be formatted as multiple choice questions. Please type up this document with the correct answers in bold and submit them through Oncourse. The chapter questions must be
posted on Oncourse before you can take the chapter quiz. Chapters may be done in any order. More than one (1) chapter may be turned in at a time.

2. Take a quiz for each chapter of the Essential Radiology book. A student may not take a quiz until the chapter questions have been submitted. Quizzes are taken on Fridays and in person. The student may schedule the quizzes throughout the semester according to what works with their schedule.

Grades:
100    A+
99-96   A
95-93   A-
92-90   B+
89-87   B
86-84   B-
83-81   C+
80      C

A Grade below 80% will result in course failure.