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 R438 (must be cleared with University Enrollment Services)
4. Instructor Judith Kosegi
5. Course Title Essential Radiology I
6. First time this course is to be offered (Semester/Year): Fall 2010
7. Credit Hours: Fixed at 1 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: Selected topics in radiology to acquaint the nuclear medicine technology student with a broader understanding of other areas of radiology as well as a more in-depth knowledge about nuclear medicine image/data interpretation and the interconnection of nuclear medicine with other radiology procedures.

11. Lecture Contact Hours: Fixed at or Variable from to
12. Non-Lecture Contact Hours: Fixed at or Variable from to
13. Estimated enrollment: of which percent are expected to be graduate students.
14. Frequency of scheduling: Once per year □ Will this course be required for majors? Yes □ No □
15. Justification for new course: Current course was under the R407 seminar course title. New course number/description to alleviate confusion.
16. Are the necessary reading materials currently available in the appropriate library? Yes □ No □
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 1/29/2010
Department Chairman/Division Director

Approved by:
[Signature] Date 2/17/10
Dean

Chancellor/Vice-President

University Enrollment Services

Dean of Graduate School (when required)

University Enrollment Services Final—White; Chancellor/Vice-President—Blue; School/Division—Yellow; Department/Division—Pink; University Enrollment Services Advance—White

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.
I.U. NUCLEAR MEDICINE TECHNOLOGY PROGRAM  
SYLLABUS - AHLT R438  
Seminar: Essential Radiology I  
Fall 2010

This is a 1 credit hour course taken in the fall during the senior year in the Nuclear Medicine Technology (NMT) Program.

**COURSE DESCRIPTION:** Selected topics in radiology to acquaint the nuclear medicine technology student with a broader understanding of other areas of radiology as well as a more in-depth knowledge about nuclear medicine image/data interpretation and the interconnection of nuclear medicine with other radiology procedures.

**COURSE OBJECTIVES:**  
By completion of this course, the student will:

1) Acquire a broader understanding of the entire field of radiology.

2) Explain some of the different disease states that are dealt with in the field of radiology.

3) Recognize some of the different radiology procedures which are used in the diagnosis and treatment of many types of disease states.

4) Acquire a general knowledge of how physicians use patient data and interpret studies for use in patient case management.

5) Understand what represents quality patient data and images for the physician use in the overall management of patient cases.

**ESSENTIAL RADIOLOGY COURSE ORIENTATION WILL BE HELD ON AUGUST 24 AT 3:00 – 4:00 PM IN CL-124**

**COURSE ATTENDANCE REQUIREMENTS:**  
Students may determine when they wish to work on the requirements, listed below. However, students are not to work on course requirements during clinic time unless nothing else is going on and the student has the permission of clinical supervisors. There may be quizzes based on selected readings which will be scheduled in advance. Otherwise, students must attend lectures at times when they are not normally in clinic such as on Tuesdays, Thursdays, lunch-time, or before clinic starts. A journal, in the form of a book, must be kept to document attendance at Noon Conferences, Nuclear Medicine Meetings, Clerkship Lectures, and talks categorized as “Others” (see journal documentation requirements at the end of the syllabus).

**FALL SEMESTER:**  
By the end of the semester students must attend 15 hours worth of credit for the following sessions:
5) **6 hours of credit for 6 hours of Radiology Clerkship Lectures** (some are 2 hours long) given to the medical students. Consult the Radiology Clerkship Lecture Schedule given out monthly. Next semester you are to attend 8 more Radiology Clerkship Lectures. The same lectures are repeated every month, August through April, so if one is missed; it may be taken in another month. Students are not to attend the same lecture twice just to get their hours in. See “Fall & Spring Semester Course Documentation Requirements” listed below.

6) **4 hours of credit for 4 hours of Radiology Noon Conferences** for the Radiology Residents (12:30 – 1:30) usually given in FH 211. If a student wishes to attend a Noon Conference on a clinic day, then they must use their lunch hour. Next semester you are to attend 10 more Noon Conferences. Consult the Noon Conference schedule given out weekly. No scheduling is necessary if it is held in FH211. You **cannot** attend “M & T” conferences. Eating at Noon Conference is acceptable.

7) **2 hours of credit for the quizzes on 2 articles in the JNMT**: For the articles titled “Pediatric PET/CT Imaging: Tips and Techniques” (December, 2008) and “PET/MRI: The Blended-Modality Choice of the Future?” (June 2009) go to www.snm.org; click on Education, Continuing Education for Technologists, and find the articles. Read each article and take the on-line quizzes. Provide documentation of successfully passing each quiz. If quizzes are no longer available on-line, then in class quizzes will be given.

8) **3 hours of credit for 3 hours of “Other” activities.** “Other” activities can be from any formal lectures or conferences (other than Noon Conferences and Radiology Clerkships) such as from attendance at any Central Chapter Society of Nuclear Medicine (CCSNM) meeting. There will be the Indianapolis CCSNM Road Show and the Fall CCSNM meeting (including the Governance meetings). Lectures (& Governance Meetings) or conferences which are used to satisfy this requirement can **not** be used to also gain extra credit in the Practicum course. If you are attending anything other than these suggested conferences, to satisfy your 3 “other “ credits, then you must have prior approval from the course instructor.

9) **Working Ahead:** If you want to work ahead on the spring semester R419 (Essential radiology III) requirements, it is OK to do so. Refer to those requirements in the appropriate syllabus.

**COURSE DOCUMENTATION REQUIREMENTS:**

**Fall R438 and spring R439** course lectures or conferences must be listed, in chronological order, in a journal type of booklet. The journal may be hand written but must be readable. Break the journal into 3 categories labeled: Clerkships, Noon Conferences, and Other. All lectures/conferences must be listed by category and in chronological order:

1) Section the journal into Fall R428 and Spring R429 Sections

2) For all Lectures and Conferences:
   a) List **number of hours** (if more than 1 hour in a session, list as 1 & 2, etc. in the series), **date, title of lecture, speaker,** and in a few sentences **summarize the talk and then describe what you learned that was new to you** in specific detail. Make it two separate paragraphs.
   b) The description must be in your own words, not the group effort of others in attendance.
   c) List talks into either Fall or Spring Sections. Even if you do a spring talk in the fall, list it in the Spring Section
3) Turn in the journal **at mid-term** (October TBD for Fall and March TBD for Spring) at which point at least 25% of the required lectures should have been attended. Turn in the completed journal by the last Tuesday day before final exams (December TBD for Fall and April TBD for Spring). The journal will be reviewed and returned with comments. **If the reviews are not adequate, make-up lectures maybe required.**

4) It is a good idea to periodically turn the journal in to be checked off so, if you lose the journal, you will not lose credit for everything.

**GRADES:**
Both fall R438 and spring R439 courses are “satisfactory/fail”. The following criteria will be used in the determination of a grade. Failure to complete any of the assignments at the appropriate passing rate could result in failure of the course.

**Passing Grade:**

1) Perform the appropriate number of hours per semester of approved educational opportunities.
2) Document, as described above, the attendance of approved educational opportunities.
3) Turn in completed journals at mid-term and final dates as specified in the syllabus.
4) Pass all exams and quizzes with an 80% or better score. The student may need to meet additional requirements if unable to pass an exam or quiz.
3) If by the end of a semester due to illness or other acceptable, documented, non-academic reason you could not complete the full number of hours; makeup work may be required to pass the course, assuming all other requirements have been met.

**Failing Grade:**

1) Dishonesty in any form regarding attendance of educational opportunities or in the documentation process would be grounds for a failing grade. This would include any sessions that the student counted where they missed more than 10% of the session or were involved in other activities such as studying, sleeping, etc., instead of paying attention to the presentation.
2) Not completing the required hours in the approved categories, unless the course coordinator has granted approval.
3) Not passing all exams or quizzes at an 80% pass rate or performed appropriate make-up work in the event that an 80% pass rate was not achieved.
4) Being dismissed from a lecture for poor conduct.

**SUMMARY of the CLASS and EXAM SCHEDULE**

<table>
<thead>
<tr>
<th>Date</th>
<th>Class or Exam</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 5 (Tu)</td>
<td>Journal of Fall (25% done) Conferences/Lectures Due</td>
<td>4:00 PM</td>
<td>Kosegi’s Office</td>
</tr>
<tr>
<td>December 7 (Tu)</td>
<td>Journal of Fall (100% done) Conferences/Lectures Due</td>
<td>4:00 PM</td>
<td>Kosegi’s Office</td>
</tr>
<tr>
<td>December 7 (Tu)</td>
<td>Passed Quizzes on 2 JNMT articles</td>
<td>4:00 PM</td>
<td>Documentation to Kosegi</td>
</tr>
</tbody>
</table>