New Course Request

Indiana University

TUPUI Campus

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

1. School/Division: School of Medicine
2. Academic Subject Code: RAON
3. Course Number: D 701 (must be cleared with University Enrollment Services)
4. Instructor: DesRosiers, Colleen
5. Course Title: Independent Study / Research in Radiation Oncology
   Recommended Abbreviation (Optional): Ind Study/Research/RadOnc
   (Limited to 32 Characters including spaces)
   Spring Semester 2011

6. First time this course is to be offered (Semester/Year): [ ]
7. Credit Hours: Fixed at ______ or Variable from _______ to _______.
8. Is this course to be graded S-F (only)? Yes [X] No [ ]
9. Is variable title approval being requested? Yes [X] No [ ]
10. Course description (not to exceed 50 words) for Bulletin publication:
    The independent study is a focused study on one topic in Radiation Therapy. The
    topic is agreed upon between the course director and the student.
    For students who wish to continue in a graduate program, this course may serve as a
    prelude to a Master's thesis.

11. Lecture Contact Hours: Fixed at ______ or Variable from _______ to _______.
12. Non-Lecture Contact Hours: Fixed at ______ or Variable from _______ to _______.
13. Estimated enrollment: 2-5 of which ______ percent are expected to be graduate students.
14. Frequency of scheduling: [ ] once/year [X] [ ] [ ] [ ] [ ]
15. Will this course be required for majors? [X] [ ]
16. Justification for new course: establishment of new certificate program in medical dosimetry
   [ ] unknown
17. Are the necessary reading materials currently available in the appropriate library? [ ]
18. Please append a complete outline of the proposed course, and indicate instructor (if known), textbooks, and other
   materials.
19. If this course overlaps with existing courses, please explain with which courses it overlaps and whether this overlap is
   necessary, desirable, or unimportant.
20. 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] 
Department/Chairman/Division Director
Date: [Date]

Dean of Graduate School (when required)
Date

Approved by: [Signature] 
Dean
Date: [Date]

Chancellor/Vice-President
Date

University Enrollment Services

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.

UPS 724

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

I. Title: Independent Study / Research in Radiation Oncology
   Course #    RAON-D701
   Course Director: Colleen DesRosiers, Ph.D.
   Prerequisites:

   Suggested Course Abbreviation: Ind Study/Research/Rad Onc
   Spring Semester    2 credit hours    approx ½ day per week scheduled for this activity
   2400 – 3000 minutes

II. Course Description and Rationale
   The independent study is a focused study on one topic in Radiation Therapy. The topic is agreed upon
   between the course director and the student. For students who wish to continue in a graduate
   program, this course may serve as a prelude to a Master’s thesis.

III. Educational Objectives
   Upon completion of this course the student will be able to:
   1. Describe their selected topic in detail.
      
      Assessment: The student will write a 1-2 page description of their topic, outlining what
      problem they are addressing, any hypothesis (es), and experiment, if applicable.

   2. Understand the historical context of the topic.
      
      Assessment: The student will outline in detail the historical context of the topic in 1-2
      pages utilizing references and other resources, as needed. The text will serve as part of
      a final paper, to be submitted to an appropriate journal for publication.

   3. Describe the current issues surrounding the topic.
      
      Assessment: The student will outline in detail the current issues surrounding the topic in 1-2
      pages utilizing references and other resources, as needed. The text will serve as part of
      a final paper, to be submitted to an appropriate journal for publication.

   4. Describe future directions, potential research topics.
      
      Assessment: The student will outline in detail future directions relevant to this topic in
      1-2 pages utilizing references and other resources, as needed. The text will serve as
      part of a final paper, to be submitted to an appropriate journal for publication.

   5. Present results of small research experiment, if applicable.
Assessment: The student will prepare a final paper and a slide show presentation. The student will present results to medical dosimetrists, physicists, and other invited faculty/staff as determined by the student's mentor. The presentation should be 30-60 minutes in length.

IV. Course Content – Syllabus
1. No formal syllabus.
2. The student will have direct interaction with a mentor. The student and mentor will meet at least once/week to discuss progress on their topic.
3. The student is expected to spend 4-6 hours per week on this study.

V. Required and Recommended Textbooks
1. Acceptable literature includes
   a. Textbook chapters
   b. Publications in medical journals
   c. Publications in scientific journals
   d. Any agreed upon resource between mentor and student

VI. Evaluation and Grading
The student will be graded based on the quality of a paper submitted at the end of the course. The paper should be in a format acceptable to a selected professional journal such as Medical Physics or Medical Dosimetry.

The grading of the paper will break down as follows:
- Accurate reporting of facts: 20%
- Proper construction: 20%
- Writing quality/grammar: 20%
- Presentation of problem/solution: 20%
- Originality of thought: 20%

The student’s final grade will be issued based on the Indiana University grading scale.

VII. Cheating and Plagiarism:
Students are instructed to make themselves aware of University regulations concerning plagiarism, the maintenance of academic honesty and the definitions of unacceptable behavior and cheating. Academic misconduct of any sort will not be tolerated and will be dealt with as outlined in the IU/PUI Code of Student Rights, Responsibilities, and Conduct, which can be viewed at:

http://www.iupui.edu/code/

Examples of misconduct include but are not limited to:
1. Cheating
   A student must not use or attempt to use unauthorized assistance, materials, information, or study aids in any academic exercise.
2. Fabrication
A student must not falsify or invent any information or data in an academic exercise including, but not limited to, records or reports, laboratory results, and citations to the sources of information.

3. Plagiarism
A student must not adopt or reproduce ideas, words, or statements of another person without appropriate acknowledgment. A student must give credit to the originality of others and acknowledge an indebtedness whenever he or she does any of the following:

a. Quotes another person’s actual words, either oral or written.
b. Paraphrases another person’s words, either oral or written.
c. Uses another person’s idea, opinion, or theory, or
d. Borrows facts, statistics, or other illustrative material, unless the information is common knowledge.

4. Interference
a. A student must not steal, change, destroy, or impede another student’s work.
b. A student must not give or offer a bribe, promise favors, or make threats with the intention of affecting a grade or the evaluation of academic performance.

Potential consequences for academic misconduct:

If the instructor has information that one of his/her students committed an act of academic misconduct, the faculty member will hold an informal conference with the student. The conference will be prompt and private. If the faculty member concludes that the student is responsible for the misconduct, then the faculty member will impose an appropriate academic sanction (i.e., lower or failing grade on the assignment, assessing a lower or failing grade for the course).

VIII. Americans with Disabilities Act:
If you need any special accommodations due to a disability, please contact Adaptive Educational Services at (317)-274-3241. The office is located in CA 001E.