Code # NHP30 (2014) REV

**New/Special Course Proposal-Bulletin Change Transmittal Form**

⊠ **Undergraduate Curriculum Council** - Print 1 copy for signatures and save 1 electronic copy.

☐ **Graduate Council** - Print 1 copy for signatures and send 1 electronic copy to [mmcginnis@astate.edu](mailto:mmcginnis@astate.edu)

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| --- |
| ⊠**New Course or** ☐ **Special Course (Check one box)**  *Please complete the following and attach a copy of the catalogue page(s) showing what changes are necessary.* |

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| --- | --- |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **COPE Chair (if applicable)** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **Department Chair:** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **General Education Committee Chair (If applicable)** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Undergraduate Curriculum Council Chair** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **College Dean** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Graduate Curriculum Committee Chair** |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Vice Chancellor for Academic Affairs** |

1. Proposed Course Prefix and Number (For variable credit courses, indicate variable range.)

RAD 2001

2. Course Title – if title is more than 30 characters (including spaces), provide short title to be used on transcripts. Title cannot have any symbols (e.g. slash, colon, semi-colon, apostrophe, dash, and parenthesis). Please indicate if this course will have variable titles (e.g. independent study, thesis, special topics).

Introduction to Medical Imaging and Radiation Sciences

Short title: Intro to Med Imag and Rad Sci

3. Will this course be lecture only, lab only, lecture and lab, activity, dissertation, experiential learning, independent study, internship, performance, practicum, recitation, seminar, special problems, special topics, studio problems, student exchange, occupational learning credit, or course for fee purpose only (e.g. an exam)? Please choose one.

Lecture only

4. What is the grade type (i.e. standard letter, credit/no credit, pass/fail, no grade, developmental)?

Standard letter

5. Is this course dual listed (undergraduate/graduate)?

No

6. Is this course cross listed? (If it is, all course entries must be identical including course descriptions. It is important to check the course description of an existing course when adding a new cross listed course.)

No

7. Brief course description (40 words or fewer) as it should appear in the bulletin.

Overview of medical imaging modalities and radiation therapy, as well as the practitioner’s role in the health care delivery system..

8. Indicate all prerequisites and if this course is restricted to a specific major, which major. (If a student does not have the prerequisites or does not have the appropriate major, the student will not be allowed to register).

a. Are there any prerequisites?

No

b. Why?

This course is designed to assist students in determining if a career in medical imaging and radiation sciences is a good fit for their future.

9. Course frequency(e.g. Fall, Spring, Summer). Not applicable to Graduate courses.

Spring

10. Contact Person (Name, Email Address, Phone Number)

Ray Winters

[rwinters@astate.edu](mailto:rwinters@astate.edu)

ext. 3329

11. Proposed Starting Term/Year

Spring 2014

12. Is this course in support of a new program? NO

If yes, what program?

Enter text...

13. Does this course replace a course being deleted? No

If yes, what course?

Has this course number been used in the past? No

*Submit Course Deletion Proposal-Bulletin Change Transmittal Form.*

14. Does this course affect another program? No

If yes, provide contact information from the Dean, Department Head, and/or Program Director whose area this affects.

Enter text...

15. Justification should include:

a. Academic rationale and goals for the course (skills or level of knowledge students can be expected to attain)

Students need a basic understanding of the field of medical imaging and radiation sciences in order to determine if it is the appropriate career choice. This course will provide a broad exposure to the field.

b. How does the course fit with the mission established by the department for the curriculum? If course is mandated by an accrediting or certifying agency, include the directive.

The mission of the programs in medical imaging and radiation sciences is to produce competent entry level practitioners. Part of this education should include providing students with a foundation to determine if one of the fields of study is the right career choice for their future.

c. Student population served.

Students wishing to pursue a field in the medical imaging and radiation sciences.

d. Rationale for the level of the course (lower, upper, or graduate).

This course requires critical thinking skill typically required in upper level courses.

16. Outline (The course outline should be topical by weeks and should be sufficient in detail to allow for judgment of the content of the course.)

Week 1 Class Introductions/Syllabus review

Week 2 Chapter 1 Origins and Evolution

Week 3 Chapter 2 The Medical Imaging Practitioner as Student

Week 4 Exam 1

Week 5 Chapter 3 Communication and Critical Thinking Skills

Week 6 Chapter 4 Various Safety Issues

Week 7 Exam 2

Week 8 Chapter 5 Medical Techniques and Patient Care

Week 9 Chapter 6 Clinical Assessments

Week 10 Exam 3

Week 11 Chapter 7 Legal and Ethical Aspects of Medical Imaging

Week 12 Chapter 8 Sound Futures

Week 13 Chapter 9 Professional Development and Leadership

Week 14 Exam 4

Week 15 Finals

17. Course requirements (e.g. research papers, projects, interviews, tests, etc.)

Students are required to observe in a clinic or radiology department .

18. Special features (e.g. labs, exhibits, site visitations, etc.)

Students will tour all MIRS labs and classrooms.

19. Department staffing and classroom/lab resources (Will this require additional faculty, supplies, etc.?)

No additional staffing or classroom/lab resources will be required.

20. What is the primary intended learning goal for students enrolled in this course?

The successful student will have an understanding of the career path and requirements for career in one of the disciplines in medical imaging and radiation sciences.

21. Reading and writing requirements:

a. Name of book, author, edition, company and year

no book required- materials supplied by instructors

b. Number of pages of reading required per week: 10

c. Number of pages of writing required over the course of the semester: 4-5

22. High-Impact Activities (Check all that apply)

☐Collaborative assignments

☐Research with a faculty member

☐Diversity/Global learning experience

⊠Service learning or community learning

☐Study abroad

☐Internship

☐Capstone or senior culminating experience

☐Other Explain: Enter text...

23. Considering the indicated primary goal (in Box #20), provide up to three outcomes that you expect of students after completion of this course.

**Outcome #1:** (For example, what will students who meet this goal know or be able to do as a result of this course?)

Understand the various careers in the medical imaging and radiation sciences world.

Learning Activity:(For example, what instructional processes do you plan to use to help students reach this outcome?)

Students will observe a practitioner in their working environment for a minimum of a half a day. Lectures will discuss examinations and other job duties required them.

Assessment Tool: (For example, what will students demonstrate, represent, or produce to provide evidence of their learning?)

Reflection of shadowing paper and examinations

*(Repeat if needed for additional outcomes 2 and 3)*

**Outcome #2:**

Understand basic patient care and assessments.

Learning Activity:

Lectures and class discussions focusing on patient care including vital signs.

Assessment Tool:

In class discussions and examinations

**Outcome #3**:

Enter text...

Learning Activity:

Enter text...

Assessment Tool:

Enter text...

24. Please indicate the extent to which this course addresses university-level student learning outcomes:

* 1. Global Awareness

⊠Minimally  
☐Indirectly  
☐Directly

* 1. Thinking Critically

☐Minimally  
☐Indirectly  
⊠Directly

* 1. Using Technology

☐Minimally  
☐Indirectly  
⊠Directly

**From the most current electronic version of the bulletin, copy all bulletin pages that this proposal affects and paste it to the end of this proposal.**

**To copy from the bulletin:**

1. Minimize this form.
2. Go to <http://registrar.astate.edu/bulletin.htm> and choose either undergraduate or graduate.
3. This will take you to a list of the bulletins by year, please open the most current bulletin.
4. Find the page(s) you wish to copy, click on the “select” button and highlight the pages you want to copy.
5. Right-click on the highlighted area.
6. Click on “copy”.
7. Minimize the bulletin and maximize this page.
8. Right-click immediately below this area and choose “paste”.
9. For additions to the bulletin, please change font color and make the font size larger than the surrounding text. Make it noticeable.
10. For deletions, strike through the text, change the font color, and enlarge the font size. Make it noticeable.