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| For Academic Affairs and Research Use Only | |
| CIP Code: |  |
| Degree Code: |  |

**New Course Proposal Form**

**[ X] Undergraduate Curriculum Council**

**[ ] Graduate Council**

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| --- |
| **[ ] New Course or [ ]Experimental Course (1-time offering) (Check one box)** |

Signed paper copies of proposals submitted for consideration are no longer required. Please type approver name and enter date of approval.

Email completed proposals to [curriculum@astate.edu](mailto:curriculum@astate.edu) for inclusion in curriculum committee agenda.

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| Deanna Barymon 10/25/2017 **Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **COPE Chair (if applicable)** |
| Cheryl DuBose 10/19/2017 **Department Chair:** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Head of Unit (If applicable)** |
| Deanna Barymon 10/25/2017 **College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Undergraduate Curriculum Council Chair** |
| Susan Hanrahan 10/25/17 Enter date… **College Dean** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Graduate Curriculum Committee Chair** |
| |  |  | | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |   **General Education Committee Chair (If applicable)** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Vice Chancellor for Academic Affairs** |

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

Cheryl DuBose

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

870-972-2772

2. Proposed Starting Term and Bulletin Year

Summer 2018

3. Proposed Course Prefix and Number (Confirm that number chosen has not been used before. For variable credit courses, indicate variable range. *Proposed number for experimental course is 9*. )

RS 4573

4. 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).

Title: Imaging for Women’s Health Clinical Education

Short title: Imaging Women Health Clinic Ed

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

Guided clinical practice experiences to develop, apply, analyze, integrate, synthesize and evaluate concepts and theories related to imaging in women’s health clinics. Areas of focus include mammography, breast ultrasound, and bone densitometry. Prerequisite, Admission to the Radiologic Sciences Program. Summer.

6. Prerequisites and major restrictions. (Indicate all prerequisites. 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

* 1. If yes, which ones?

Enter text...

* 1. Why or why not?

Enter text...

1. Yes Is this course restricted to a specific major?
   1. If yes, which major? Radiologic Sciences

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

Summer

8. 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, student exchange, occupational learning credit, or course for fee purpose only (e.g. an exam)? Please choose one.

Internship

9. What is the grade type (i.e. standard letter, credit/no credit, pass/fail, no grade, developmental, or other [please elaborate])

Standard letter

10. No Is this course dual listed (undergraduate/graduate)?

11. No Is this course cross listed?

*(If it is, all course entries must be identical including course descriptions. Submit appropriate documentation for requested changes. It is important to check the course description of an existing course when adding a new cross listed course.)*

**11.1** – If yes, please list the prefix and course number of cross listed course.

Enter text...

**11.2** – **Yes / No** Are these courses offered for equivalent credit?

Please explain. Enter text...

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

a. If yes, what program?

Enter text...

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

a. If yes, what course?

Enter text...

14. No Will this course be equivalent to a deleted course?

a. If yes, which course?

Enter text...

15. Yes Has it been confirmed that this course number is available for use?

*If no: Contact Registrar’s Office for assistance.*

16. No Does this course affect another program?

If yes, provide confirmation of acceptance/approval of changes from the Dean, Department Head, and/or Program Director whose area this affects.

Enter text...

**Course Details**

17. 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.)

Weeks 1-14

Clinical experiences tailored to the individual student needs which challenge the student’s performance and reinforce skills needed for the unique clinical experiences found in a Women’s Health clinical environment.

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

Clinic

19. Department staffing and classroom/lab resources

No new additional resources needed

1. Will this require additional faculty, supplies, etc.?

NO

20. No Does this course require course fees?

*If yes: please attach the New Program Tuition and Fees form, which is available from the UCC website.*

**Course Justification**

21. Justification for course being included in program. Must include:

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

This is an upper division clinical course which will provide an opportunity for the student to perform and refine clinical skills, patient interactions and radiation protection. These activities will require application of previously learned materials, critical thinking, decision-making, and evaluation of the patient condition to succeed in this course.

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 tailored clinical experience needed for successful clinical practice in the Women’s Health imaging environment.

c. Student population served.

Radiologic sciences students specializing in Women’s Health imaging practices (e.g. Mammography, Ultrasound, and/or Bone Densitometry)

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

This is an upper level clinical course for clinical experience tailored to students who have completed the radiologic technology portion of the program and are enrolled in a specialty area of Mammography, Ultrasound, and/or Bone Densitometry.

**Assessment**

**University Outcomes**

22. Please indicate the university-level student learning outcomes for which this new course will contribute. Check all that apply.

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| * 1. **[x]** Global Awareness | * 1. **[x]** Thinking Critically | * 1. **[ ]** Information Literacy |

**Relationship with Current Program-Level Assessment Process**

23. What is/are the intended program-level learning outcome/s for students enrolled in this course? Where will this course fit into an already existing program assessment process?

1. Students will be clinically competent

2. Students will communicate effectively with peers, medical staff and patients

3. Students will demonstrate professional behavior and attitudes

24. Considering the indicated program-level learning outcome/s (from question #23), please fill out the following table to show how and where this course fits into the program’s continuous improvement assessment process.

*For further assistance, please see the ‘Expanded Instructions’ document available on the UCC - Forms website for guidance, or contact the Office of Assessment at 870-972-2989.*

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| **Program-Level Outcome 1 (from question #23)** | Students will be clinically competent |
| Assessment Measure | Clinical Evaluation Form; Performance Objectives Form |
| Assessment  Timetable | Spring |
| Who is responsible for assessing and reporting on the results? | Program Faculty |
| **Program-Level Outcome 2 (from question #23)** | Students will communicate effectively with peers, medical staff and patients |
| Assessment Measure | Clinical Evaluation Form |
| Assessment  Timetable | Spring |
| Who is responsible for assessing and reporting on the results? | Program Faculty |
| **Program-Level Outcome 3 (from question #23)** | Students will demonstrate professional behavior and attitudes |
| Assessment Measure | Clinical Evaluation Form |
| Assessment  Timetable | Spring |
| Who is responsible for assessing and reporting on the results? | Program Faculty |

*(Repeat if this new course will support additional program-level outcomes)*

**Course-Level Outcomes**

25. What are the course-level outcomes for students enrolled in this course and the associated assessment measures?

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| **Outcome 1** | Students will demonstrate clinical proficiency in at least one area of Women’s Health imaging (Mammography, Ultrasound, or Bone Densitometry) |
| Which learning activities are responsible for this outcome? | 1. Prepare the equipment for the ordered procedure 2. Scan the correct protocol for the ordered procedure 3. Submit the images and history forms using PACS/RIS systems |
| Assessment Measure | Performance Objectives Form |
| **Outcome 2** | Students will communicate with medical staff and patients |
| Which learning activities are responsible for this outcome? | 1. Students will explain the procedure to the patient 2. Students will be able to communicate with the medical staff in a professional, learned manner |
| Assessment Measure | Clinical Evaluation Form |

*(Repeat if needed for additional outcomes)*

**Bulletin Changes**

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| **Instructions** |
| **Please visit** [**http://www.astate.edu/a/registrar/students/bulletins/index.dot**](http://www.astate.edu/a/registrar/students/bulletins/index.dot) **and select the most recent version of the bulletin. Copy and paste all bulletin pages this proposal affects below. Follow the following guidelines for indicating necessary changes.**  **\*Please note: Courses are often listed in multiple sections of the bulletin. To ensure that all affected sections have been located, please search the bulletin (ctrl+F) for the appropriate courses before submission of this form.**  - Deleted courses/credit hours should be marked with a red strike-through (~~red strikethrough~~)  - New credit hours and text changes should be listed in blue using enlarged font (blue using enlarged font).  - Any new courses should be listed in blue bold italics using enlarged font (***blue bold italics using enlarged font***)  *You can easily apply any of these changes by selecting the example text in the instructions above, double-clicking the ‘format painter’ icon 🡪 , and selecting the text you would like to apply the change to.*  *Please visit* [*https://youtu.be/yjdL2n4lZm4*](https://youtu.be/yjdL2n4lZm4) *for more detailed instructions.* |

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Major in Radiologic Sciences

**Bachelor of Science in Radiologic Sciences**

**Emphasis in Computed Tomography/Mammography**

A complete 8-semester degree plan is available at http://registrar.astate.edu/.

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| University Requirements: | |
| See University General Requirements for Baccalaureate degrees (p. 41) | |
| **First Year Making Connections Course:** | **Sem. Hrs.** |
| RT 1003, Making Connections in Radiology | **3** |
| **General Education Requirements:** | **Sem. Hrs.** |
| See General Education Curriculum for Baccalaureate degrees (p. 84)  **Students with this major must take the following:**  *MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisite*  *BIO 2203* ***AND*** *2201, Human Anatomy and Physiology I and Laboratory*  *PSY 2013, Introduction to Psychology*  *COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)* | **35** |
| **Major Requirements:** | **Sem. Hrs.** |
| HP 2013, Medical Terminology | 3 |
| HP 3413, Cultural Competency | 3 |
| RAD 2001, Intro to Medical Imaging | 1 |
| RAD 3103, Intro to Radiography | 3 |
| RAD 3113 **AND** RAD 3111, Radiographic Procedures I and Laboratory | 4 |
| RAD 3123, Radiation Physics and Imaging | 3 |
| RAD 3202, Imaging Equipment | 2 |
| RAD 3203 **AND** RAD 3201, Radiographic Procedures II and Laboratory | 4 |
| RAD 3213 **AND** RAD 3211, Image Acquisition & Evaluation I and Laboratory | 4 |
| RAD 3223, Sectional Anatomy | 3 |
| RAD 3233, Radiography Clinical I | 3 |
| RAD 4103 **AND** RAD 4101, Radiographic Procedures III and Laboratory | 4 |
| RAD 4113, Image Acquisition & Evaluation II | 3 |
| RAD 4123, Imaging Pathology | 3 |
| RAD 4132, Radiobiology | 2 |
| RAD 4143, Radiography Clinical II | 3 |
| RAD 4203, Radiography Clinical III | 3 |
| RAD 4213, Radiography Clinical IV | 3 |
| **Sub-total** | **54** |
| **Emphasis Area (CT/Mammography):** | **Sem. Hrs.** |
| RS 4623, CT Instrumentation | 3 |
| RS 4633, CT Procedures | 3 |
| RS 4644, CT Clinical Ed | 4 |
| RS 3122, Legal and Regulatory Environ of Radiology | 2 |
| RS 3733, Geriatric Considerations in Radiology | 3 |
| RS 4363, Independent Study in the Rad Sciences | 3 |
| RS 4463, Statistics for Medical Imaging | 3 |
| RS 4502, Mammography Procedures | 2 |
| RS 4512, Mammography Instrumentation | 2 |
| RS 4553, Mammography Clinical Education I | 3 |

*The bulletin can be accessed at* [*http://www.astate.edu/a/registrar/students/*](http://www.astate.edu/a/registrar/students/)330

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| RS 4563, Mammography Clinical Education II  ***RS 4573 Imaging in Women’s Health Clinical Education*** | 3  ***3*** |
| RS 4822, Psychosocial Factors in Healthcare | 2 |
| RSMR 4712, Imaging Information Management | 2 |
| **Sub-total** | **~~35~~ *38*** |
| **Required Support Courses:** | **Sem. Hrs.** |
| BIO 2223 **AND** 2221, Human Anatomy and Physiology II and Laboratory | **4** |
| **Total Required Hours:** | **~~131~~ *134*** |

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**RS 4532. Mammography Procedures and Instrumentation** This course is designed to introduce the student to the technical and procedural aspects of mammography. Various aspects of mammography, breast anatomy, patient interaction and exam procedures will be covered. Pre­requisite, formal acceptance in to the professional program. Spring.

**RS 4553. Mammography Clinical Education I** Guided clinical practice experiences to develop, apply, analyze, integrate, synthesize and evaluate concepts and theories in mammography. Prerequisite, Admission to the Radiologic Science Program. Spring.

**RS 4563. Mammography Clinical Education II** Guided clinical practice experience designed for sequential development, application, analysis, integration, synthesis and evaluation of concepts and theories in mammography. Prerequisite, Admission to the Radiologic Science Program. Summer.

***RS 4573 Imaging in Women’s Health Clinical Education. Guided clinical practice experiences to develop, apply, analyze, integrate, synthesize and evaluate concepts and theories related to imaging in women’s health clinics. Areas of focus include mammography, breast ultrasound, and bone densitometry. Prerequisite, Admission to the Radiologic Sciences Program. Summer.***

**RS 4601. Overview of Computed Tomography** Four content areas required by the ARRT for post-primary CT certification. Prerequisite, Instructor approval and admission to the Radiologic Science Program. Fall, Spring, Summer.

**RS 4623. Computed Tomography Instrumentation** Components, operation and purpose of specialized Computed Tomography equipment, including computer mechanisms, imaging theory and equipment operation. Prerequisite, Admission to the Radiologic Science Program. Summer.