Code # Enter text…

**New Course Proposal Form**

**[x] Undergraduate Curriculum Council**

**[ ] Graduate Council**

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| **[x] 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 4/10/2017 **Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **COPE Chair (if applicable)** |
| Ray Winters 4/10/2017 **Department Chair:** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **General Education Committee Chair (If applicable)** |
| Deanna Barymon 4/10/2017 **College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Undergraduate Curriculum Council Chair** |
| dr. susan hanrahan 4/10/2017 **College Dean** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Graduate Curriculum Committee Chair** |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…  **Vice Chancellor for Academic Affairs** |

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

Amber Wooten MSHS, RT(R), RDMS, RVT

870-972-2914

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

2. Proposed Starting Term and Bulletin Year

Spring 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*. )

RSU 4833

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).

Breast Sonography

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

Sonographic knowledge, skills and abilities in the areas of normal breast as well as breast abnormalities and how to coordinate images with screening or diagnostic mammography.

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).

1. Are there any prerequisites? No
   1. If yes, which ones?

Enter text...

* 1. Why or why not?

Enter text...

1. Is this course restricted to a specific major? Yes
   1. If yes, which major? Radiography Specialty Track Mammography/Breast Ultrasound

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

Spring

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.

Lecture and Lab

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

No

11. 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

1. If yes, please list the prefix and course number of cross listed course.

Enter text...

1. Are these courses offered for equivalent credit? Yes / No

Please explain. Enter text...

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

a. If yes, what program?

No

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

a. If yes, what course?

No

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

a. If yes, which course?

Enter text...

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

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

16. 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...

**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.)

Week 1-Normal Breast Anatomy

Week 2-Patient Care

Week 3-Normal Breast Physiology

Week 4-Breast layering

Week 5-BI-RADS Classifications

Week 6-Benign Pathology

Week 7-Malignant Pathology

Week 8-Doppler use for masses

Week 9-Integration of Data/Coordination with Mammography, MRI, & Nuclear Medicine

Week 10-Scanning Techniques-Protocols, Planes, Measurements, Labeling, Positions

Week 11-Artifacts & Augmentation considerations

Week 12-Intraoperative & Invasive procedures

Week 13-New Technologies

Week 14-Registry Review

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

Students will practice scanning in the sonography lab.

19. Department staffing and classroom/lab resources

No additional staffing.

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

Enter text...

20. Does this course require course fees? No

*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)

In accordance with the American Registry for Diagnostic Medical Sonography, successful students will understand how to scan a breast according to protocol, know the normal anatomy of the breast as well as breast abnormalities. Students will also understand how to coordinate sonographic images with screening or diagnostic mammography and have the knowledge to perform invasive procedures of the breast. This course is designed to accomplish this goal. At this time, the course will be offered as an elective with plans to create a new mammography/breast ultrasound track in the future.

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 Department of Medical Imaging & Radiation Sciences is to provide a comprehensive, multi-skilled education preparing students for entry-level practice into the medical imaging and radiation therapy professions.  They will be competent in at least two emphasis areas- radiography, mammography, and breast sonography.

c. Student population served.

Radiologic Sciences students

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

This course will be an upper level course because students need a foundation of anatomy, physiology, and imaging principles before entering this course.

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. [ ] Global Awareness | * 1. [X] Thinking Critically | * 1. [ x] 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.

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) | 1. Students will be clinically competent: |
| Assessment Measure | Employer and graduate surveys |
| Assessment  Timetable | 6 months post-graduation |
| Who is responsible for assessing and reporting on the results? | Program faculty |

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

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| Program-Level Outcome 2 (from question #23) | 2. Students will communicate effectively with peers, medical staff, and patients. |
| Assessment Measure | Employer surveys |
| Assessment  Timetable | 6 months post-graduation |
| Who is responsible for assessing and reporting on the results? | Program faculty |

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 | 1. Students will be clinically competent in breast sonography |
| Which learning activities are responsible for this outcome? | Hands-on scanning on sonography lab  Image evaluation |
| Assessment Measure | Lab practical exams to demonstrate scanning skills image evaluation |

*(Repeat if needed for additional outcomes)*

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| Outcome 2 | 1. Students will communicate effectively with peers, medical staff, and patients regarding their knowledge of breast anatomy, pathology, and breast procedures. |
| Which learning activities are responsible for this outcome? | In class exams  Workbook exercises |
| Assessment Measure | Exams and homework will ensure comprehension of sonographic terms and procedures |

**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.* |

RSU 4732. Competency Sonography Lab I Clinical application knowledge of small parts, abdominal organs and organ systems. Students will participate in directed scanning exercises and simulator scanning to develop the critical thinking skills needed. Corequisite, 4223. Prerequisite, formal acceptance in to the professional program. Fall.

RSU 4742. Cardiac Sonography Lab Provide clinical application knowledge of gynecologic and obstetrical, vascular, or cardiac sonography. Directed scanning exercises and simulator scanning to develop the critical thinking skills. Registration restricted to students who have successfully completed the fall semester of appropriate DMS program. Summer.

RSU 4762. Advanced Vascular Sonography Procedures Clinical application knowledge of advanced vascular sonography procedures, directed scanning exercises and simulator scanning to develop the critical thinking skills needed in practice of vascular sonography. Prerequisite, formal acceptance in to the professional program. Spring.

RSU 4812. Cardiac Conduction and Arrhythmia Provides an understanding of normal and abnormal conduction of electrical impulses in the cardiac system. Prepares students to recognize cardiac rhythms in the clinical setting. Registration restricted by admittance to the DMS program. Spring.

*RSU 4833. Breast Sonography Sonographic knowledge, skills and abilities in the areas of normal breast as well as breast abnormalities and how to coordinate images with screening or diagnostic mammography. Registration restricted by admittance to the radiography program. Spring.*