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| For Academic Affairs and Research Use Only |
| Proposal Number: | NHP77 |
| CIP Code:  |  |
| Degree Code: |  |

 **COURSE DELETION PROPOSAL FORM**

**[X] Undergraduate Curriculum Council**

**[ ] Graduate Council**

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

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| Deanna Barymon | 8/22/2022 |

**Department Curriculum Committee Chair** |

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**COPE Chair (if applicable)** |
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| Cheryl DuBose | 8/22/2022 |

**Department Chair** |

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**Head of Unit (if applicable)**   |
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| \_\_Amy Hyman\_\_ | 08/26/2022 |

**College Curriculum Committee Chair** |

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**Undergraduate Curriculum Council Chair** |
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| \_\_\_\_\_\_\_\_\_Scott E Gordon\_\_\_\_\_\_ | 8-26-22 |

**College Dean** |

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**Graduate Curriculum Committee Chair** |
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**General Education Committee Chair (if applicable)**   |

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| \_ Alan Utter \_\_\_\_\_\_\_\_ | 9-12-22 |

**Vice Chancellor for Academic Affairs** |

1. **Course Title, Prefix and Number**

Image Acquisition and Evaluation I Laboratory, RAD 3211

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

Dr. Cheryl DuBose

cdubose@astate.edu (870) 972-2772

1. **Justification**

This course was previously removed from all other MIRS degree programs. Unfortunately, it did not get deleted from the certificate programs at that time.

1. **Last semester course will be offered**

This course was last offered in Fall of 2019

1. Yes **Does this course appear in your curriculum? (if yes, and this deletion changes the curriculum, a Program Modification Form is required)**

A program modification form is being submitted as well.

1. **No Is this course dual-listed (undergraduate/graduate)?**

1. **No Is this course cross-listed with a course in another department?**

If yes, which course(s)?

 No

1. No **Is there currently a course listed in the Bulletin or Banner which is a one-to-one equivalent to this course (please check with the Registrar’s Office if unsure)?**

If yes, which course?

Enter text...

**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. Please include a before (with changed areas highlighted) and after of all affected sections.** **\*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.**  |

Page 377 21-22 bulletin

 Certificate in Radiologic Technology

Core requirements listed on page 349

Core Requirements (BSRS courses completed previously):

ARRT or ARDMS certification and registration in a primary pathway area Sem. Hrs.

See Core Requirements (p. 371) -

Required Courses:

Students must have previously earned a BSRS degree.

Sem. Hrs.

RAD 3103, Intro to Radiography 3

RAD 3113 AND RAD 3111, Radiographic Procedures I and Laboratory 4

RAD 3122, Radiation Physics and Imaging 2

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 Lab~~ ~~4~~

RAD 3232, Radiography Clinical I 2

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

Total Required Hours:  ~~43~~

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RAD 3113. Radiographic Procedures I Radiographic terminology, preliminary steps of a

radiographic examination including radiographic anatomy, positioning of the chest, abdomen,

and upper extremity. Positioning nomenclature, pathology and image evaluation will be covered.

Prerequisite, Admission to the Radiologic Science Program. Spring.

RAD 3122. Radiation Physics and Imaging Introduction to the basic x-ray equipment and the

production and use of ionizing radiation, basic radiation physics and its application, and components for radiologic imaging. Prerequisite, Admission to the Radiologic Science Program. Spring.

RAD 3201. Radiographic Procedures II Lab Simulation and practice of radiographic procedures of the shoulder girdle and lower extremity. Prerequisite, Admission to the Radiologic Science Program. Summer.

RAD 3202. Imaging Equipment Components, operation and purpose of imaging equipment,

including image-intensified and digital fluoroscopy, automatic exposure control, image recording

options, laser readers, and mobile imaging. Prerequisite, Admission to the Radiologic Science

Program. Fall.

RAD 3203. Radiographic Procedures II Radiographic terminology, anatomy, and positioning of

the shoulder girdle and lower extremity. Includes positioning nomenclature, pathology and image

evaluation. Prerequisite, Admission to the Radiologic Science Program. Summer.

 ~~RAD 3211. Image Acquisition and Evaluation I Lab Manipulation of exposure factors and~~

~~evaluation of the effects on image quality in the laboratory setting. Focus on skills to achieve~~

~~safe and optimal image acquisition. Prerequisite, Admission to the Radiologic Science Program.~~

~~Fall~~.

RAD 3213. Image Acquisition and Evaluation I Image acquisition for digital and screen-film

image receptors, the Image quality evaluation process, image quality factors, and image quality analysis. Emphasis on application of skills and suggested corrective actions. Prerequisite,

Admission to the Radiologic Science Program. Fall.

RAD 3223. Sectional Anatomy Introduction to sectional images of human anatomy using CT

and MRI. Provides the foundation knowledge required for successful practice by the radiologic

professional. Prerequisite, Admission to the Radiologic Science Program. Summer.

RAD 3232. Radiography Clinical I Supervised clinical experience in routine radiographic

procedures. Students are evaluated with a competency based evaluation system. Prerequisite,

Admission to the Radiologic Science Program. Summer.

RAD 4101. Radiographic Procedures III Lab Simulation and practice of radiographic procedures of the pelvis, hips, spine, bony thorax, skull and sinuses. Prerequisite, Admission to the

Radiologic Science Program. Fall.

RAD 4103. Radiographic Procedures III Radiographic terminology, anatomy and positioning of

the pelvis, hips, spine, bony thorax, skull and sinuses. Includes positioning nomenclature, pathology and image evaluation. Prerequisite, Admission to the Radiologic Science Program. Fall.

RAD 4113. Image Acquisition and Evaluation II Continues the study of image acquisition

and evaluation begun in RAD 3213 with specific emphasis on digital image acquisition errors,

image artifacts, pathology effects on image quality and technique chart development and use.

Prerequisite, Admission to the Radiologic Science Program. Spring.

RAD 4123. Imaging Pathology Imaging presentation of traumatic injuries and diseases including

manifestations of disease on images and the modalities best suited to distinguish the various

pathologies. Prerequisite, Admission to the Radiologic Science Program. Summer.

RAD 4132. Radiobiology Introduction to the biological effects of ionizing radiation and radiation

safety standards required for professional practice. Prerequisite, Admission to the Radiologic

Science Program. Summer.

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RAD 3203 AND RAD 3201, Radiographic Procedures II and Laboratory 4

RAD 3213, Image Acquisition & Evaluation I 3

RAD 3232, Radiography Clinical I 2

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

Total Required Hours: 41

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