**Summary**

Course Form Action: UPDATE  
Catalog Year: 2016-2017  
Prefix: AHXR  
Course #: 121  
Course Title: Radiographic Imaging I  
Course Dept.: MC: Health Professions  
Default subcommittee review: Forestry & Biomedical Science (ASCRC)

If the course requires review by more than one subcommittee due to interdisciplinary content please select: Choose

**Course Changes***

Please check one or more of the following and enter the corresponding changes in the course catalog details:

- [ ] Course Title
- [ ] Description
- [ ] Learning Outcomes
- [ ] Other scheduling
- [ ] Credits
- [ ] Level
- [ ] Course Number

**Justification/explanation***

For new courses please provide rationale for why the course is needed, how it fits with existing curriculum and whether there are curricular adjustments (see procedure 201.30.)

This course change is part of a proposed revision in Program Scope & Sequence. Under the proposal, didactic courses would be clustered in the first year, and clinical courses in the second year. This would eliminate overlapping clinical rotations among first and second-year students, reducing crowding at clinical sites and enhancing student success.

**Course Information**

**Current Course Catalog**

| Prefix  | AHXR |
| Course # | 121 |
| Full Title | Radiographic Imaging I |
| Short Title | Radiographic Imaging I |
| Level | U |
| Repeatability |  |
| Credits | 4 |

**Exact Entry to appear in the next catalog**

| Prefix | AHXR |
| Course # | 121 |
| Full Title | Radiographic Imaging I |
| Short Title | Radiographic Imaging I |
| Level | U |
| Repeatability |  |
| Credits | 4 |

**Brief Course Description with Prerequisites**

Offered spring. Introduction to fundamental physics principles underlying radiology and diagnostic x-ray production. Topics include electromagnetic waves, electricity and magnetism, electrical energy, and power and circuits as they relate to radiography. Factors of image quality and exposure methods: density, contrast, recorded detail, distortion, technique charts, manual and automatic exposure control, and tube rating charts.

**Common Course Numbering Review**

*Does an equivalent course exist elsewhere in the MUS CCN Course Guide (check all relevant disciplines if course is interdisciplinary)?*
*Do the proposed abbreviation, number, title and credits align with existing course(s)?

Yes  No

Please indicate equivalent course info.*

Course Prefix: AHXR  Course #: 121  Campus: HCMT

Co-convened courses

*Is this a co-convened course?

Yes  No

Course Fees

*New fees and changes to existing fees are only approved once each biennium by the Board of Regents. The coordination of fee submission is administered by Administration and Finance. Fees may be requested only for courses meeting specific conditions according to Policy 940.12.1. Please indicate whether this course will be considered for a fee.

Yes  No

Endorsements/Approvals

Requestor*

E-mail (umontana.edu addresses only)*  First Name  Last Name  Approver  Approve Date

daniel.funsch@umontana.edu  Daniel  Funsch  Daniel Funsch  9/22/2015 3:10:28 PM

anne.delaney@umontana.edu  Anne  Delaney  Anne Delaney  9/22/2015 3:21:05 PM

Program Chair(s)/Director(s)*

Department*  First Name  Last Name  Approver  Approve Date

MC: Health Professions  Nicholas  Arthur  Nicholas Arthur  9/23/2015 9:06:54 AM

Dean(s)*

College*  Approver  Approve Date

Missoula College

Other affected programs

Does this proposal affect other departments/programs because of:

• required courses including pre-requisites or co-requisites?
• perceived overlap in content areas?
• cross-listing of course work?
• program offers a teaching major or minor (choose Professional Education Council)?

If yes, click ADD and enter all affected departments/programs. If no, go to the next section.

Department*  First Name  Last Name  Approver  Approve Date

Department Notifications and Additional Editors - optional (e.g., Admin. Associates)
Attachments

SYLLABUS

AHXR 121 Radiographic Imaging Proposed.doc

COMMON COURSE NUMBERING FORMS

Required for undergraduate courses. See the Common Course Number Forms on the MUS site for the appropriate form.

NEW - UNIQUE COURSE

NEW - EXISTING COURSE

CHANGE COURSE

OTHER