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| For Academic Affairs and Research Use Only |
| Proposal Number | NHP22 |
| CIP Code:  |  |
| Degree Code: |  |

**NEW OR MODIFIED COURSE PROPOSAL FORM**

**[ x ] Undergraduate Curriculum Council**

**[ ] Graduate Council**

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

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 3/7/2023**Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**COPE Chair (if applicable)** |
| Cheryl DuBose 3/7/2023**Department Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Head of Unit (if applicable)**   |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Undergraduate Curriculum Council Chair** |
| Mary Elizabeth Spence 03/23/23**Office of Accreditation and Assessment (new courses only)** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Graduate Curriculum Committee Chair** |
| \_\_Scott E. Gordon\_\_ 3-24-23**College Dean** | \_\_ Len Frey \_\_\_\_\_\_\_\_\_\_\_\_ 4/20/23**Vice Chancellor for Academic Affairs** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**General Education Committee Chair (if applicable)**   |  |

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

Jessica Cooper, jmcooper@astate.edu, 870-972-2747

1. **Proposed starting term and Bulletin year for new course or modification to take effect**

Fall 2023

**Instructions:**

*Please complete all sections unless otherwise noted. For course modifications, sections with a “Modification requested?” prompt need not be completed if the answer is “No.”*

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|  | **Current (Course Modifications Only)** | **Proposed (New or Modified)** *(Indicate “N/A” if no modification)* |
| **Prefix** | **RSLT** | **n/a** |
| **Number\*** | **2021** | **n/a** |
| **Title** (include a short title that’s 30 characters or fewer) | **Limited X-ray Machine Operator ~~Chest and Spine~~ Procedures Lab****Abbreviated: LXMO ~~Chest/Spine~~ Procedures Lab** | **Limited X-ray Machine Operator Procedures Lab****Abbreviated: LXMO Procedures Lab** |
| **Description\*\*** | **~~Radiographic terminology and steps of radiographic exams. Radiographic anatomy and positioning of the chest and spine~~.** **Prerequisite, Admission to LXMO certificate program. Fall.** | **Simulation and practice of radiographic procedures of the chest, spine, and extremities.** **Prerequisite, Admission to LXMO certificate program. Fall.** |

 ***\**** Confirm with the Registrar’s Office that number chosen has not been used before and is available for use. For variable credit courses, indicate variable range. *Proposed number for experimental course is 9*.

\*\*Forty words or fewer (excepting prerequisites and other restrictions) as it should appear in the Bulletin.

1. **Proposed prerequisites and major restrictions** **[Modification requested? No]**

(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. YES Are there any prerequisites?
	1. If yes, which ones?

Admission into the Certificate of Proficiency for the Limited X-ray Machine Operator program

* 1. Why or why not?

Limited admission into certificate program. All courses must be taken simultaneously.

1. YES Is this course restricted to a specific major?
	1. If yes, which major? Limited X-ray Machine Operator Program
2. **Proposed course frequency [Modification requested? NO]**

(e.g. Fall, Spring, Summer; if irregularly offered, please indicate, “irregular.”) *Not applicable to Graduate courses.*

Fall

1. **Proposed course type [Modification requested? YES]**

Will this course be lecture only, lab only, lecture and lab, activity (e.g., physical education), dissertation/thesis, capstone, independent study, internship/practicum, seminar, special topics, or studio? Please choose one.

Lab

1. **Proposed grade type [Modification requested? No]**

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

Standard Letter

1. NO Is this course dual-listed (undergraduate/graduate)?
2. 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.)*

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

 Enter text...

 **b.** – **Yes / No** Can the cross-listed course be used to satisfy the prerequisite or degree requirements this course satisfies?

 Enter text...

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

a. If yes, what program?

 Enter text...

1. NO Will this course be a one-to-one equivalent to a deleted course or previous version of this course (please check with the Registrar if unsure)?

a. If yes, which course?

**Course Details**

1. **Proposed outline** **[Modification requested? YES]**

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

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| **Week** | **Content** |
| 1 | Equipment and basic positions check-off |
| 2 | AP, Lateral, Lordotic Chest Positioning, chest practical |
| 3 | Fingers, Hand, Wrist Positioning |
| 4 | Forearm, Elbow, Humerus Positioning |
| 5 | Pectoral Girdle Positioning, upper extremity lab practical |
| 6 | Toes, Foot, Calcaneus Positioning |
| 7 | Ankle, Tibia/Fibula, Knee/Patella Positioning; lower extremity lab practical |
| 8 | Midterm lab practical per A-State academic calendar |
| 9 | AP, Lateral Thoracic Spine Positioning |
| 10 | AP, Lateral, Oblique, Swimmer’s Lateral, Flexion/Extension Cervical Spine Positioning |
| 11 | AP, Lateral, Oblique, Swimmer’s Lateral, Flexion/Extension Cervical Spine Positioning |
| 12 | AP, Lateral, Oblique, Flexion/Extension Lumbar Spine Positioning |
| 13 | AP, Lateral, Oblique, Flexion/Extension Lumbar Spine Positioning |
| 14 | AP, Lateral Scoliosis Positioning |
| 15 | AP, Lateral Sacrum/Coccyx; SI Joint Positioning, spine lab practical |
| 16 | Review and final lab practical per A-State academic calendar |

1. **Proposed special features** **[Modification requested? YES]**

(e.g. labs, exhibits, site visitations, etc.)

Lab only

1. **Department staffing and classroom/lab resources**

One instructor, one lab

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

 NO

1. 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.*

**Justification**

**Modification Justification (Course Modifications Only)**

1. Justification for Modification(s)

After two years of course evaluation, I have found this course needs to be a full-time lab course so students can spend all their time in the x-ray lab learning positioning and procedures.

**New Course Justification (New Courses Only)**

1. Justification for course. Must include:

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

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

c. Student population served.

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

**Assessment**

**Assessment Plan Modifications (Course Modifications Only)**

1. YES Do the proposed modifications result in a change to the assessment plan?

 *If yes, please complete the Assessment section of the proposal*

**Relationship with Current Program-Level Assessment Process (Course modifications skip this section unless the answer to #18 is “Yes”)**

1. 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?

Students will be able to meet the following program goals by completing this course.

1. Students will produce quality radiographs.

2. Students will recommend corrective action for sub-optimal radiographs.

1. Considering the indicated program-level learning outcome/s (from question #19), 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 #19)** | Students will produce quality radiographs |
| Assessment Measure | 70% or higher course grade and practical average; lab rubric |
| Assessment Timetable | Fall semester, weekly throughout the semester |
| Who is responsible for assessing and reporting on the results? | Program faculty |

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| **Program-Level Outcome 2 (from question #19)** | Students will recommend corrective action for sub-optimal radiographs |
| Assessment Measure | 70% or higher course grade and practical average; lab rubric |
| Assessment Timetable | Fall semester, weekly throughout the semester |
| 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**

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

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| **Outcome 1** | Identify anatomic relations, positioning, and projection terminology |
| Which learning activities are responsible for this outcome? | Homework, quizzes, lab practicals |
| Assessment Measure  | Submit assignments on time; maintain 70% or higher course grade and exam average |

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| **Outcome 2** | Discuss and demonstrate pectoral girdle radiography, anatomy, and pathology |
| Which learning activities are responsible for this outcome? | Homework, quizzes, lab practicals |
| Assessment Measure  | Submit assignments on time; maintain 70% or higher course grade and exam average |

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| **Outcome 3** | Discuss upper extremity radiography, anatomy, and pathology |
| Which learning activities are responsible for this outcome? | Homework, quizzes, lab practicals |
| Assessment Measure  | Submit assignments on time; maintain 70% or higher course grade and exam average |

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| **Outcome 4** | Discuss and demonstrate lower extremity radiography, anatomy, and pathology |
| Which learning activities are responsible for this outcome? | Homework, quizzes, lab practicals |
| Assessment Measure  | Submit assignments on time; maintain 70% or higher course grade and exam average |

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| **Outcome 5** | Discuss and demonstrate chest radiography, anatomy, and pathology |
| Which learning activities are responsible for this outcome? | Homework, quizzes, lab practicals |
| Assessment Measure  | Submit assignments on time; maintain 70% or higher course grade and exam average |

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| **Outcome 6** | Discuss and demonstrate spine radiography, anatomy, and pathology |
| Which learning activities are responsible for this outcome? | Homework, quizzes, lab practicals |
| Assessment Measure  | Submit assignments on time; maintain 70% or higher course grade and exam average |

*(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. 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.**  |

<https://catalog.astate.edu/preview_program.php?catoid=3&poid=684&returnto=77>

Before:

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| Limited X-Ray Machine Operator, Certificate |
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Return to {$returnto_text}Return to: [Programs by Department](https://catalog.astate.edu/content.php?catoid=3&navoid=77)This program will prepare students for the ARRT Limited Scope of Practice in Radiography exam for the State of Arkansas Licensure and to work in the clinical setting of physician offices. This is a formal education program to educate limited license technicians on radiologic positioning, radiation safety, and image critique. |
| Required Courses:* [RSLT 2012 - Introduction to Limited X-Ray Machine Operator](https://catalog.astate.edu/preview_program.php?catoid=3&poid=684&returnto=77) **Sem. Hrs:** **2**
* [RSLT 2013 - Imaging Equipment and Exposure](https://catalog.astate.edu/preview_program.php?catoid=3&poid=684&returnto=77) **Sem. Hrs:** **3**
*
* [RSLT 2021 - Limited X-Ray Machine Operator ~~Chest and Spine~~ Procedures](https://catalog.astate.edu/preview_program.php?catoid=3&poid=684&returnto=77) Lab **Sem. Hrs:** **1**
* ***OR***
* [RSLT 2031 - Limited X-Ray Machine Operator Extremity Procedures](https://catalog.astate.edu/preview_program.php?catoid=3&poid=684&returnto=77) **Sem. Hrs:** **1**
*
* [CLS 1512 - Principles of Clinical Laboratory Science](https://catalog.astate.edu/preview_program.php?catoid=3&poid=684&returnto=77) **Sem. Hrs:** **2**
* [CLS 1511 - Principles of Clinical Laboratory Science Laboratory](https://catalog.astate.edu/preview_program.php?catoid=3&poid=684&returnto=77) **Sem. Hrs:** **1**
* [HP 2013 - Medical Terminology](https://catalog.astate.edu/preview_program.php?catoid=3&poid=684&returnto=77) **Sem. Hrs:** **3**
* [RS 436V - Independent Study in Radiologic Sciences](https://catalog.astate.edu/preview_program.php?catoid=3&poid=684&returnto=77) **Sem. Hrs:** **Variable**

Total Required Hours: 15 |

Return to: [Programs by Department](https://catalog.astate.edu/content.php?catoid=3&navoid=77)

After:

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| Limited X-Ray Machine Operator, Certificate |
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Return to {$returnto_text}Return to: [Programs by Department](https://catalog.astate.edu/content.php?catoid=3&navoid=77)This program will prepare students for the ARRT Limited Scope of Practice in Radiography exam for the State of Arkansas Licensure and to work in the clinical setting of physician offices. This is a formal education program to educate limited license technicians on radiologic positioning, radiation safety, and image critique. |
| Required Courses:* [RSLT 2012 - Introduction to Limited X-Ray Machine Operator](https://catalog.astate.edu/preview_program.php?catoid=3&poid=684&returnto=77) **Sem. Hrs:** **2**
* [RSLT 2013 - Imaging Equipment and Exposure](https://catalog.astate.edu/preview_program.php?catoid=3&poid=684&returnto=77) **Sem. Hrs:** **3**
*
* [RSLT 2021 - Limited X-Ray Machine Operator Procedures](https://catalog.astate.edu/preview_program.php?catoid=3&poid=684&returnto=77) Lab **Sem. Hrs:** **1**
* ***OR***
* [RSLT 2031 - Limited X-Ray Machine Operator Extremity Procedures](https://catalog.astate.edu/preview_program.php?catoid=3&poid=684&returnto=77) **Sem. Hrs:** **1**
*
* [CLS 1512 - Principles of Clinical Laboratory Science](https://catalog.astate.edu/preview_program.php?catoid=3&poid=684&returnto=77) **Sem. Hrs:** **2**
* [CLS 1511 - Principles of Clinical Laboratory Science Laboratory](https://catalog.astate.edu/preview_program.php?catoid=3&poid=684&returnto=77) **Sem. Hrs:** **1**
* [HP 2013 - Medical Terminology](https://catalog.astate.edu/preview_program.php?catoid=3&poid=684&returnto=77) **Sem. Hrs:** **3**
* [RS 436V - Independent Study in Radiologic Sciences](https://catalog.astate.edu/preview_program.php?catoid=3&poid=684&returnto=77) **Sem. Hrs:** **Variable**

Total Required Hours: 15 |

Return to: [Programs by Department](https://catalog.astate.edu/content.php?catoid=3&navoid=77)

<https://catalog.astate.edu/content.php?filter%5B27%5D=RSLT&filter%5B29%5D=&filter%5Bcourse_type%5D=-1&filter%5Bkeyword%5D=&filter%5B32%5D=1&filter%5Bcpage%5D=1&cur_cat_oid=3&expand=&navoid=78&search_database=Filter#acalog_template_course_filter>

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| Before:**Limited X-Ray Operation** |
|    | •  [RSLT 2012 - Introduction to Limited X-Ray Machine Operator](https://catalog.astate.edu/preview_course_nopop.php?catoid=3&coid=5599) **Sem. Hrs:** **2**  |
|    | •  [RSLT 2013 - Imaging Equipment and Exposure](https://catalog.astate.edu/preview_course_nopop.php?catoid=3&coid=5600) **Sem. Hrs:** **3**  |
|    | [RSLT 2021 - Limited X-Ray Machine Operator ~~Chest and Spine~~ Procedures](https://catalog.astate.edu/content.php?filter%5B27%5D=RSLT&filter%5B29%5D=&filter%5Bcourse_type%5D=-1&filter%5Bkeyword%5D=&filter%5B32%5D=1&filter%5Bcpage%5D=1&cur_cat_oid=3&expand=&navoid=78&search_database=Filter) Lab

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| Print (opens a new window)RSLT 2021 - Limited X-Ray Machine Operator ~~Chest and Spine~~ Procedures Lab**Sem. Hrs:** **1**~~Radio­graphic terminology and steps of radiographic exams. Radiographic anatomy and positioning of the chest and spine.~~ Simulation and practice of radiographic procedures, of the chest, spine, and extremities, Fall. **Prerequisites:** Admission to Certificate of Proficiency for the Limited X-Ray Machine Operator. |

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|    | •  [RSLT 2031 - Limited X-Ray Machine Operator Extremity Procedures](https://catalog.astate.edu/preview_course_nopop.php?catoid=3&coid=5602) **Sem. Hrs:** **1** |

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| After:**Limited X-Ray Operation** |
|    | •  [RSLT 2012 - Introduction to Limited X-Ray Machine Operator](https://catalog.astate.edu/preview_course_nopop.php?catoid=3&coid=5599) **Sem. Hrs:** **2**  |
|    | •  [RSLT 2013 - Imaging Equipment and Exposure](https://catalog.astate.edu/preview_course_nopop.php?catoid=3&coid=5600) **Sem. Hrs:** **3**  |
|    | [RSLT 2021 - Limited X-Ray Machine Operator Procedures](https://catalog.astate.edu/content.php?filter%5B27%5D=RSLT&filter%5B29%5D=&filter%5Bcourse_type%5D=-1&filter%5Bkeyword%5D=&filter%5B32%5D=1&filter%5Bcpage%5D=1&cur_cat_oid=3&expand=&navoid=78&search_database=Filter) Lab

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| --- |
| Print (opens a new window)RSLT 2021 - Limited X-Ray Machine Operator Procedures Lab**Sem. Hrs:** **1**Simulation and practice of radiographic procedures, of the chest, spine, and extremities, Fall. **Prerequisites:** Admission to Certificate of Proficiency for the Limited X-Ray Machine Operator. |

 |
|    | •  [RSLT 2031 - Limited X-Ray Machine Operator Extremity Procedures](https://catalog.astate.edu/preview_course_nopop.php?catoid=3&coid=5602) **Sem. Hrs:** **1** |