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

**NEW OR MODIFIED COURSE PROPOSAL FORM**

**[X] Undergraduate Curriculum Council**

**[ ] Graduate Council**

|  |
| --- |
| **[X]New Course, [ ]Experimental Course (1-time offering), or [ ]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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| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**COPE Chair (if applicable)** |
| Julie B. King 8/7/2020**Department Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Head of Unit (if applicable)**   |
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| Mary Elizabeth Spence | 9/4/2020 |
| **Office of Assessment** |  |

 | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Undergraduate Curriculum Council Chair** |
| Shanon Brantley 08/26/2020**College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Graduate Curriculum Committee Chair** |
| \_\_Susan Hanrahan\_\_\_\_\_\_\_\_ 8/27/2020**College Dean** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Vice Chancellor for Academic Affairs** |
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| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Enter date |

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

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

Dr. Julie King, juking@astate.edu; 870-932-3920

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

 Fall 2021, Bulletin year 2021-2022.

**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** |  | **OESH** |
| **Number\*** |  | **4213** |
| **Title** |  | **Construction Safety** |
| **Description\*\*** |  | Occupational safety hazards associated with the construction industry. Emphasis is placed on OSHA policies, procedures, and standards as well as construction health and safety principles.  |

 ***\**** (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 as it should appear in the Bulletin.

1. **Proposed prerequisites and major restrictions** **[Modification requested? Yes/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?

Must be admitted to OESH program.

OESH 4003 Internship

OESH 4013 OSHA Standards and Practices

OESH 4113 Environmental Health and Safety Management

OESH 4203 Principles of Food Safety and Sanitation

* 1. Why or why not?

Students should have completed the prerequisites coursework for the OESH program and have had prior OESH coursework

1. **Yes** Is this course restricted to a specific major?
	1. If yes, which major? **Occupational Safety and Environmental Health**
2. **Proposed course frequency [Modification requested? Yes/No]**

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

**Spring**

1. **Proposed course type [Modification requested? Yes/No]**

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.

**Lecture only**

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

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

**Standard Letter grade**

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

*(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. **Yes** Is this course in support of a new program? Yes

a. If yes, what program?

 Occupational and Environmental Safety and Health

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)? No

a. If yes, which course?

Enter text...

**Course Details**

1. **Proposed outline** **[Modification requested? Yes/No]**

(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 | Topic/Assignments |
| 1 | The Safety Movement and the Construction Industry, The Cost of Accidents |
| 2 | Roles of Construction Personnel in Health and Safety |
| 3 | Accident Causation Theories Part I  |
| 4 | Accident Causation Theories Part II |
| 5 | Ethics in Construction Safety |
| 6 | Workers’ Compensation |
| 7 | Introduction to OSHA Compliance |
| 8 | OSHA Construction Standard 1926: Subparts A-E |
| 9 | OSHA Construction Standard 1926: Subparts F-J |
| 10 | OSHA Construction Standard 1926: Subparts K-P (Selected topics |
| 11 | OSHA Construction Standard 1926: Subparts Q-U (Selected Topics) |
| 12 | OSHA Construction Standard 1926: Subparts V-Z (Selected Topics) |
| 13 | Hazard Analysis Construction Equipment Safety |
| 14 | Accident Investigation |
| 15 | Reporting and Record Keeping |
|  | FINAL EXAM |

1. **Proposed special features** **[Modification requested? Yes/No]**

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

Site visitations

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

Traditional classroom setting

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

Possible that an additional adjunct faculty member with expertise in construction safety will be needed

1. **Yes / No** 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.*

**Justification**

**Modification Justification (Course Modifications Only)**

1. Justification for Modification(s)

Enter text...

**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)

 Many safety specialists are utilized by the construction industry to ensure safety on job sites. Students can expect to become familiar with OSHA’s Construction Safety Standard 29 CFR Part 1926 and will be able to anticipate and recognize hazards on construction sites. Students will also be able to communicate within all levels of personnel on a job site and be able to recommend changes to mitigate the hazards. Students should also be able to understand the steps in accident investigation and understand the importance of OSHA reporting and recordkeeping.

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.

 The core mission of the College of Nursing and Health Professions is to provide a comprehensive and quality education to students seeking careers in various areas of health professions including occupational safety specialists who protect worker health. The mission of the OESH program is to educate the next generation(s) of environmental health and safety practitioners that will be able to function effectively in industrial settings, the public sector, or academia, and to produce valuable occupational safety and environmental health specialists that act ethically in the practice considering the implications to the health of workers and the environment.

One area in which safety specialists are heavily relied upon is the construction industry where there are many hazards that are immediate dangers to life and health. Safety specialists are needed to anticipate, recognize and evaluate hazards on job sites and mitigate the risks of working in such a dangerous field. This program will be seeking accreditation from National Environmental Science Protection Accreditation Council (NEHSPAC/EHAC) and students are expected to have an in-depth knowledge in the area of Occupational health and safety. Students who are able to know and apply safety standards in the construction industry will play a vital role in protecting worker health.

c. Student population served.

This course serves those students pursuing a Bachelors of Science in Occupational and Environmental Safety and Health.

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

Offering this as an upper level course allows students to apply technical skills to advanced knowledge associated with construction safety. The level and content of this course will be consistent with upper level academic coursework and relies on students having completed prior OESH coursework in occupational safety.

**Assessment**

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

1. **Yes / No** 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?

Because this is an upper level course in the program, it is expected to touch on all of the program learning outcomes for the program. This includes the development of critical thinking skills and communication skills. Students should also be familiar with experimental design and be able to design and evaluate a management program to implement safety plans.

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 #23)** | Students will be able to apply a broad base of science, mathematics, and communication knowledge to anticipate, recognize, and quantify environmental health and occupational safety hazards.  |
| Assessment Measure | Direct measure: OESH 4003 Internship and OESH 4401 Senior Seminar act as a capstone to the program. Internship preceptors and instructors will be given a detailed evaluation form to fill out upon internship completion to assess for critical thinking skills in anticipating, recognizing and evaluating environmental health and occupational safety hazards. Students will also be given mock certification exams in either environmental health or occupational safety in the OESH 4401 Senior Seminar course. The grade outcomes of these exams will also be used to assess the program. Indirect measures: Students will be given program exit surveys in the OESH 4401 Senior Seminar course to assess the program.  |
| Assessment Timetable | Annually |
| Who is responsible for assessing and reporting on the results? | Course faculty and program chair: Julie King, Arkansas State University, College of Nursing & Health Professions, P.O. Box 910, State University, AR 72469, juking@astate.edu 870-972-3920 |

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

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| --- | --- |
| **Program-Level Outcome 2 (from question #23)** | Students should be able to communicate occupational and environmental standards, studies, and programs effectively and professionally with a wide range of audiences verbally and in writing through publications, presentations, and technical reports. |
| Assessment Measure | Direct measure: OESH 4003 Internship and OESH 4401 Senior Seminar act as a capstone to the program. Students will be required to give a formal presentation in the OESH 4401 Senior seminar detailing their experiences in the internship. Presentations will be evaluated for communication skills. Internship preceptors and instructors will also give detailed evaluations on the students’ ability to communicate with a variety of audiences. Indirect measures: Students will be given program exit surveys in the OESH 4401 Senior Seminar course to assess the program.  |
| Assessment Timetable | Annually |
| Who is responsible for assessing and reporting on the results? | Course faculty and program chair: Julie King, Arkansas State University, College of Nursing & Health Professions, P.O. Box 910, State University, AR 72469, juking@astate.edu 870-972-3920 |

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| **Program-Level Outcome 3 (from question #23)** | Students will be able to design and conduct environmental or workplace studies, experiments, or investigations, then analyze data and draw appropriate conclusions using sound scientific judgement. |
| Assessment Measure | Direct measure: OESH 4003 Internship and OESH 4401 Senior Seminar act as a capstone to the program. Internship preceptors and instructors will be given a detailed evaluation form to fill out upon internship completion to assess for ability to design and conduct detailed workplace studies, experiments, and investigations. Students will also be assessed for their ability to draw sound scientific conclusions using data from these experiments. Students ability to conduct these investigations will also be assessed by program faculty in their formal presentation of their internship experiences required in OESH 4401 Senior Seminar. Indirect measures: Students will be given program exit surveys in the OESH 4401 Senior Seminar course to assess the program.  |
| Assessment Timetable | Annually |
| Who is responsible for assessing and reporting on the results? | Course faculty and program chair: Julie King, Arkansas State University, College of Nursing & Health Professions, P.O. Box 910, State University, AR 72469, juking@astate.edu 870-972-3920 |

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| **Program-Level Outcome 4 (from question #23)** | Students should be able to design, analyze, and evaluate environmental health or occupational safety management systems or programs including placing an emphasis on ethical considerations, stakeholder interests, and fiscal responsibility.  |
| Assessment Measure | Direct measure: OESH 4003 Internship and OESH 4401 Senior Seminar act as a capstone to the program. Internship preceptors and instructors will be given a detailed evaluation form to fill out upon internship completion to assess for student’s ability to design, analyze and evaluate OESH programs. Students will also be assessed by program faculty in a formal presentation of their internship experience which will be completed in OESH 4401 Senior Seminar. Students will also be assessed by exam scores on mock certification exams to be taken in the senior seminar course. Indirect measures: Students will be given program exit surveys in the OESH 4401 Senior Seminar course to assess the program.  |
| Assessment Timetable | Annually |
| Who is responsible for assessing and reporting on the results? | Course faculty and program chair: Julie King, Arkansas State University, College of Nursing & Health Professions, P.O. Box 910, State University, AR 72469, juking@astate.edu 870-972-3920 |

 **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** | Learn the importance of construction site safety, not only as a life saving measure, but as a cost-effective measure for industry. |
| Which learning activities are responsible for this outcome? | LecturesHomework assignmentsDiscussion board posts |
| Assessment Measure  | Discussion board rubric benchmark 85%  |

*(Repeat if needed for additional outcomes)*

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| **Outcome 2** | Compare and contrast various accident causation theories and demonstrate an understanding of the most effective for a variety of safety incidents.  |
| Which learning activities are responsible for this outcome? | LecturesHomework assignmentsDiscussion board postsWritten assignments |
| Assessment Measure  | Final Exam rubric Benchmark 85%  |

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| **Outcome 3** | Demonstrate an understanding of the role of OSHA plays in construction safety and know the basic requirements of accident/incident reporting and recordkeeping for OSHA compliance purposes |
| Which learning activities are responsible for this outcome? | LecturesHomework assignmentsDiscussion board postsWritten assignments |
| Assessment Measure  | Final Exam rubric Benchmark 85%  |

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| **Outcome 4** | Be able to communicate verbally and in writing through technical reports, presentations, and memoranda with a variety of audiences including managers, administrators, and construction personnel. |
| Which learning activities are responsible for this outcome? | LecturesHomework assignmentsOral short presentationsWritten assignments |
| Assessment Measure  | Short and Final presentation rubric Benchmark 85%  |

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| **Outcome 5** |  Obtain experiential learning to the OSHA Construction Safety Standard 1926: Subparts A-Z in particular Subparts: M, K, E, D, X, L, P, I, N, and H.  |
| Which learning activities are responsible for this outcome? | LecturesHomework assignmentsexamsWritten assignments |
| Assessment Measure  | Final exam rubric Benchmark 85%  |

**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.**  |

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Insert

**Major in Occupational and Environmental Safety and Health**

*Bachelor of Science*

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| **University Requirements:** |  |
| See University General Requirements for Baccalaureate degrees (p. 42) |  |
| **First Year Making Connections Course:** | **Sem. Hrs.** |
| UC 1013, Making Connections | **3** |
| **General Education Requirements:** | **Sem. Hrs.** |
| See General Education Curriculum for Baccalaureate degrees (p. 78)**Students with this major must take the following:***MATH 1023, College Algebra or MATH course that requires MATH 1023 as a prerequisite**CHEM 1013 and CHEM 1011 General Chemistry and Lab**BIO 2013 and BIO 2011 Biology of the Cell and Lab**COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)* | **35** |
| **Major Requirements:** | **Sem. Hrs.** |
| OESH 3013 Fundamentals of Occupational Safety | 3 |
| OESH 3023 Principles of Environmental Health | 3 |
| OESH 3103 Recognition of Occupational Hazards | 3 |
| OESH 3113 Toxicology | 3 |
| OESH 3203 Control of Occupational Hazards | 3 |
| OESH 3223 Industrial Hygiene Sampling and Analysis Laboratory | 3 |
| OESH 3303 Water, wastewater, Solid and Hazardous Waste Treatment | 3 |
| OESH 3313 Epidemiology and Biostatistics | 3 |
| DPEM 3503 Principles of Disaster Preparedness and Emergency Management | 3 |
| OESH 4003 OESH Internship | 3 |
| OESH 4013 OSHA Standards and Practices | 3 |
| OESH 4113 Environmental Health and Safety Management | 3 |
| OESH 4203 Principles of Food Safety and Sanitation | 3 |
| OESH 4213 Construction Safety | 3 |
| OESH 4223 Accident Investigation and Analysis | 3 |
| OESH 4303 Environmental Risk Assessment | 3 |
| OESH 4313 Ergonomics | 3 |
| OESH 4323 Air Pollution | 3 |
| OESH 4401 OESH Senior Seminar | 1 |
| POSC 4533 Environmental Law and Administration | 3 |

**Page 534 Course Descriptions**

**Occupational and Environmental Safety and Health (OESH)**

**OESH 4213 Construction Safety** – Occupational safety hazards associated with the construction industry. Emphasis is placed on OSHA policies, procedures, and standards as well as construction health and safety principles. Admission to the Occupational and Environmental Safety and Health Program required. Prerequisites, OESH 4003, OESH 4013, OESH 4113, and OESH 4203. Spring.