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| For Academic Affairs and Research Use Only |
| Proposal Number | NHP30 |
| CIP Code:  |  |
| Degree Code: |  |

**NEW OR MODIFIED COURSE PROPOSAL FORM**

**[X] Undergraduate Curriculum Council**

**[ ] Graduate Council**

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| **[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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| Amy Hyman 3/3/2022**Department Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**COPE Chair (if applicable)** |
| Joseph L. Richmond 3/3/2022**Department Chair** | Julie B. King 3/1/2022**Head of Unit (if applicable)**   |
| Shanon Brantley 3/21/2022**College Curriculum Committee Chair** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Undergraduate Curriculum Council Chair** |
| Mary Elizabeth Spence 3/1/2022**Office of Assessment (new courses only)** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Graduate Curriculum Committee Chair** |
| \_\_\_\_\_\_\_\_\_\_Scott E. Gordon\_\_\_\_\_\_\_\_\_ 3/22/22**College Dean** | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**Vice Chancellor for Academic Affairs** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date…**General Education Committee Chair (if applicable)**   |  |

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

Dr. Amy Hyman, ahyman@astate.edu 870-680-8286

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

Fall 2022, Bulletin year 2022-2023.

**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** |  | **OESH** |
| **Number\*** |  | **480V (1-3)**  |
| **Title** (include a short title that’s 30 characters or fewer) |  | **Independent Study in Occupational and Environmental Safety and Health****SHORT TITLE: Independent Study in OESH** |
| **Description\*\*** |  | **Exploration of various occupational and environmental safety and health areas with topic and mode of study agreed upon by the student and the instructor. Admission to the Occupational and Environmental Safety and Health Program required. Prerequisite, Instructor permission. Fall, Spring, Summer.** |

 ***\**** 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? 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?

Instructor permission

* 1. Why or why not?

To determine if the course is compatible with the student’s degree completion plan.

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

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

Fall, Spring, Summer

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.

Independent Study

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

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?

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.)

Content will be designed to fill a typical 14-week semester or 9-week full summer term. Content will be designed and tailored to fit the needs of the student that has been granted permission to utilize the Special Problems course within their degree plan.

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

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

Student must present to the OESH faculty an overview of the work completed/research completed/project completed within the Special Problems course.

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

None

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)

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)

 Occupational safety professionals are an integral part of both public and private sector industry. These professionals must be trained to anticipate, recognize, evaluate, and control hazards in occupational settings. Often times, there is a disconnect between traditional book learning and the application of knowledge to real world scenarios. This course will help to bridge that gap for students by allowing them to explore real life situations and problems and apply what they have learned in class to these problems. Students will put into practice what they have learned from lower level OESH courses and build up on the knowledge with skills to acquire and analyze data applicable to special problems or research topics.

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 health and safety. 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 or the public sector. This course fits with the mission by providing some real-world problems for students to apply concepts learned in lower level OESH courses.

c. Student population served.

This course will help to fulfill the requirements for a Bachelors of Science in OESH, but is limited to OESH students.

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

Offering this as an upper level course allows students to apply knowledge associated with lower level course work. Students will be using skills and knowledge to learn how to gather and analyze data with real world problems. Therefore this course will meet the rigor and standards of an upper level course.

**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?

The intended program-level outcomes for students enrolled in this course are to develop critical thinking skills as they apply to anticipating, recognizing, evaluating, and controlling occupational hazards. Students are also expected to develop writing and communication skills consistent with the program-level outcomes.

SLO – 1 Students will demonstrate critical thinking skills to anticipate, recognize, and evaluate hazards affecting human health and the environment and develop and evaluate effective strategies to solve problems and mitigate risk.

SLO – 2 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.

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)** | SLO – 1 Students will demonstrate critical thinking skills to anticipate, recognize, and evaluate hazards affecting human health and the environment and develop and evaluate effective strategies to solve problems and mitigate risk. |
| 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 #19)** | SLO – 2 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. 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 |

 **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** | Students will be able to demonstrate their understanding of a special problem (previously agreed upon by both the instructor and student) in occupational and environmental safety and health and will investigate, gather data, analyze outcomes, and present the results of the investigation.  |
| Which learning activities are responsible for this outcome? | Oral/Electronic Presentations Discussions Assignments |
| Assessment Measure  | The assessment measure will be a final project assignment consisting of a 5-7 page paper that outlines the results of the student investigation with an average grade of 90%. |

*(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.**  |

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**OESH 3303. Water, Wastewater, Solid and Hazardous Waste Treatment** Water quality, water supply, and wastewater disposal, as well as solid and hazardous waste management, treatment, and disposal technology. Admission to the Occupational and Environmental Safety and Health Program required. Prerequisites, OESH 3013, OESH 3023, OESH 3103, OESH 3113, and

DPEM 3503. Spring.

**OESH 3313. Epidemiology and Biostatistics** Introduction to basic concepts of epidemiology and biostatistics as well as some of the basic techniques of public health and evidence-based medicine. Admission to the Occupational and Environmental Safety and Health Program required. Prerequisites, OESH 3013, OESH 3023, OESH 3103, OESH 3113, and DPEM 3503. Spring.

# **OESH 480V. Independent Study in Occupational and Environmental Safety and Health.** Exploration of various occupational and environmental safety and health areas with topic and mode of study agreed upon by the student and the instructor. Admission to the Occupational and Environmental Safety and Health Program required. Prerequisite, Instructor permission. Fall, Spring, Summer.

**OESH 4003. Internship** Supervised field-based experience in a private or public industrial, hospital, or governmental agency. Admission to the Occupational and Environmental Safety and Health Program required. Prerequisites, OESH 3203, OESH 3223, OESH 3303, OESH 3313, and POSC 4633. Fall.

**OESH 4013. OSHA Standards and Practices** Anticipation, identification, and evaluation of health and safety hazards and application of safety and health laws and OSHA regulations. Admis- sion to the Occupational and Environmental Safety and Health Program required. Prerequisites, OESH 3203, OESH 3223, OESH 3303, and OESH 3313. Fall.

**OESH 4113. Environmental Health and Safety Management** Introduction to EHS management principles in both office and industrial settings to develop safer and healthier work environments. Admission to the Occupational and Environmental Safety and Health Program required. Prereq- uisites, OESH 3203, OESH 3223, OESH 3303, OESH 3313, and POSC 4633. Fall.

**OESH 4203. Principles of Food Safety and Sanitation** Principles and techniques applied to the protection of food for human consumption. Emphasis is placed on food safety and proper environmental control measures to minimize health dangers. Admission to the Occupational and Environmental Safety and Health Program required. Prerequisites, OESH 3203, OESH 3223, OESH 3303, OESH 3313, and POSC 4633. Fall.

**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.

**OESH 4223. Accident Investigation and Analysis** Introduction to principles and practices for understanding the nature of occupational hazard recognition, accident prevention, loss reduc- tion, and accident investigation analysis. Admission to the Occupational and Environmental Safety and Health Program required. Prerequisites, OESH 4003, OESH 4013, OESH 4113, and OESH 4203. Spring.

**OESH 4303. Environmental Risk Assessment** Introduction to risk analysis and ex- amination of the fundamental aspects of risk, focusing on environmental and public health risks including hazard identification, exposure assessments, and risk communication. Admission to the Occupational and Environmental Safety and Health Program required. Prerequisites, OESH 4003, OESH 4013, OESH 4113, and OESH 4203. Spring.

**OESH 4313. Ergonomics** Introduction to the principles of ergonomics including fundamental ter- minology, concepts and applications of physiology, anthropometry, biomechanics, and engineer- ing to workplace design. Admission to the Occupational and Environmental Safety and Health Program required. Prerequisites, OESH 4003, OESH 4013, OESH 4113, and OESH 4203.

Spring.

**OESH 4323. Air Pollution** Pollutants, health effects, and technologies for controlling for emis- sions. Admission to the Occupational and Environmental Safety and Health Program required. Prerequisites, OESH 4003, OESH 4013, OESH 4113, and OESH 4203. Spring.

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**OESH 3303. Water, Wastewater, Solid and Hazardous Waste Treatment** Water quality, water supply, and wastewater disposal, as well as solid and hazardous waste management, treatment, and disposal technology. Admission to the Occupational and Environmental Safety and Health Program required. Prerequisites, OESH 3013, OESH 3023, OESH 3103, OESH 3113, and

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 **OESH 480V. Special Problems in Occupational and Environmental Safety and Health.** Exploration of various occupational and environmental safety and health areas with topic and mode of study agreed upon by the student and the instructor. Admission to the Occupational and Environmental Safety and Health Program required. Prerequisites, Faculty/Department Chair permission. Fall, Spring, Summer.

**OESH 4003. Internship** Supervised field-based experience in a private or public industrial, hospital, or governmental agency. Admission to the Occupational and Environmental Safety and Health Program required. Prerequisites, OESH 3203, OESH 3223, OESH 3303, OESH 3313, and POSC 4633. Fall.

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**OESH 4113. Environmental Health and Safety Management** Introduction to EHS management principles in both office and industrial settings to develop safer and healthier work environments. Admission to the Occupational and Environmental Safety and Health Program required. Prereq- uisites, OESH 3203, OESH 3223, OESH 3303, OESH 3313, and POSC 4633. Fall.

**OESH 4203. Principles of Food Safety and Sanitation** Principles and techniques applied to the protection of food for human consumption. Emphasis is placed on food safety and proper environmental control measures to minimize health dangers. Admission to the Occupational and Environmental Safety and Health Program required. Prerequisites, OESH 3203, OESH 3223, OESH 3303, OESH 3313, and POSC 4633. Fall.

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