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| For Academic Affairs and Research Use Only | |
| Proposal Number | NHP17 |
| 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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| 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** |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enter date… **Director 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** | **N/A** |
| **Number\*** | **3223** | **N/A** |
| **Title**  (include a short title that’s 30 characters or fewer) | **Industrial Hygiene Sampling and Analysis ~~Laboratory~~** | **Industrial Hygiene Sampling and Analysis**  **SHORT TITLE: Sampling and Analysis** |
| **Description\*\*** | Introduction to the most common types of field measurements, sampling collection methods, and laboratory analyses that are used in evaluating occupational health hazards. Prerequisites, ~~Admission to the Occupational and Environmental Safety and Health Program required. OESH 3013, OESH 3023, OESH 3103, OESH 3113, and DPEM 3503.~~ MATH 1023 or higher, CHEM 1011 and CHEM 1013 or CHEM 1041 and CHEM 1043. Spring. | Introduction to the most common types of field measurements, sampling collection methods, and laboratory analyses that are used in evaluating occupational health hazards. Prerequisites, MATH 1023 or higher, CHEM 1011 and CHEM 1013 or CHEM 1041 and CHEM 1043. Spring. |

***\**** 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]**

(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?

MATH 1023 College Algebra

CHEM 1011 General Chemistry Laboratory or CHEM 1041 Fundamentals of Chemistry Laboratory

CHEM 1013 General Chemistry I or CHEM 1043 Fundamentals of Chemistry

* 1. Why or why not?

A fundamental understanding of algebra and basic chemistry concepts is necessary to apply the concepts in this course.

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

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

Enter text...

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.

Lecture

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])

Enter text...

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? 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.)

Enter text...

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

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

This course was initially meant to be a laboratory course, but will be converted to a lecture course.

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

This course will be taught by current OESH faculty.

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)

The OESH program will be offering an online option and this course is modified to fit that modality. The concepts covered in the course can be covered in lecture format. This will allow this course to serve more students. The OESH program was also originally a lock step program, but it is no longer, and students should be allowed to take this course as their schedule permits. We would also like this course to be open to students who may have an interest in industrial hygiene sampling methods but are not in the OESH program.

**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)

Enter text...

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.

Enter text...

c. Student population served.

Enter text...

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

Enter text...

**Assessment**

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

1. **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?

Enter text...

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)** | Type outcome here. What do you want students to think, know, or do when they have completed the course? |
| Assessment Measure | Please include direct and indirect assessment measure for outcome. |
| Assessment  Timetable | What semesters, and how often, is the outcome assessed? |
| Who is responsible for assessing and reporting on the results? | Who (person, position title, or internal committee) is responsible for assessing, evaluating, and analyzing results, and developing action plans? |

*(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** | Type outcome here. What do you want students to think, know, or do when they have completed the course? |
| Which learning activities are responsible for this outcome? | List learning activities. |
| Assessment Measure | What will be your assessment measure for this outcome? |

*(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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| **University Requirements:** |  |
| See University General Requirements for Baccalaureate degrees (p. 47) |  |
| **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. 84)  **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 Health and 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 4633, Environmental Law and Administration | 3 |
| **Sub-total** | **58** |

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**Dietetics Practicum (NSP)**

**NSP 3213. Practicum I** Supervised practice in foodservice settings. These rotations provide a foundation for beginning skills necessary in the practice of dietetics. Prerequisites, Ad- mission to the Dietetics Program, NS 3113, NS 3123, NS 3133, NS 3153 and NS 3163. Spring.

**NSP 3323. Practicum II** Supervised practice in food service settings. with students ap- plying principles of management and systems in providing services to individuals in healthcare facilities.Prerequisites, Admission to the Dietetics Program, NS 3253, NS 4553, NS 3263, NS 3143 and NSP 3213. Summer.

**NSP 4433. Practicum III** Supervised practice in various community agencies and orga- nizations involving application of health and wellness principles for culturally diverse groups. Prerequisites, Admission to the Dietetics Program, NS 3243 and NSP 3323. Summer.

**NSP 4544. Practicum IV** Supervised practice in acute care, long-term care, and outpatient healthcare facilities providing experiences in the application of medical nutrition therapy and the nutrition care process. Prerequisites, Admission to the Dietetics Program, NS 4453 and NSP 4433. Fall.

**NSP 4654. Practicum V** Supervised rotations in acute care and outpatient clinical settings. Patient care management and application of the nutrition care process and medical nutrition therapy principles; includes staff relief experience near the end of the practicum. Pre- requisites, Admission to the Dietetics Program, NS 4413, NS 4442, NS 4443, NS 4463, and NSP 4544. Spring.

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

**OESH 3013. Fundamentals of Occupational Health and Safety** Introduction to major con- cepts and issues in occupational health and safety, including general principles, human work environment, control of hazards in the occupational environment, and occupational safety and health program requirements. Admission to the Occupational and Environmental Safety and Health Program required. Fall.

**OESH 3023. Principles of Environmental Healt**h Overview of traditional, emerging, and controversial issues associated with environmental health. Admission to the Occupational and Environmental Safety and Health Program required. Fall.

**OESH 3103. Recognition of Occupational Hazards** Introduction to the principles and practice of Industrial Hygiene through the study of chemical, physical, and biological agents responsible for occupational illness. Admission to the Occupational and Environmental Safety and Health Program required. Fall.

**OESH 3113. Toxicology** Principles of toxicology with industrial and environmental implications and the toxicological effects of certain dangerous substances, chemicals, metals, and environ- mentally relevant pesticides. Admission to the Occupational and Environmental Safety and Health Program required. Fall.

**OESH 3203. Control of Occupational Hazards** Introduction to control strategies to reduce or eliminate occupational hazards including administrative and engineering controls, ventilation, shielding, noise control, and biohazard, thermal stress and emission control. Admission to the Occupational and Environmental Safety and Health Program required. Prerequisites, OESH 3013, OESH 3023, OESH 3103, and OESH 3113, and DPEM 3503. Spring.

**OESH 3223. Industrial Hygiene Sampling and Analysis ~~Laboratory~~** Introduction to the most common types of field measurements, sampling collection methods, and laboratory analyses that are used in evaluating occupational health hazards. ~~Prerequisites, Admission to the Occupational and Environmental Safety and Health Program required.~~ ~~OESH 3013, OESH 3023, OESH 3103, OESH 3113, and DPEM 3503.~~ Spring. Prerequisites, MATH 1023 or higher, CHEM 1011 and CHEM 1013 or CHEM 1041 and CHEM 1043. Spring.

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