

CENTER FOR INNOVATIVE TECHNOLOGIES
MASTER COURSE DOCUMENT

EVT 158 Fundamentals of Industrial Hygiene

Course Description: A course on techniques for recognizing, evaluating, and controlling health and safety hazards in the workplace. Topics include: radiation safety, noise, solvents, biological hazards, and video display terminal (VDT) hazards.

Prerequisites(s): EVS 110

Corequisite(s): No corequisite

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| Lecture Hours: 1 | Lab Hours: 2 | Credit Hours: 2 |
| Lab Fee: 70 | Supplemental Fee: 0 | Purpose: |
| <input type="checkbox"/> Transfer Assurance Guide Course (TAG) | <input type="checkbox"/> Transfer Module Course (TM) | |
| Course Format: Lec/Lab | | Grading: A/B/C/D/F/I |
| Delivery Method: <input type="checkbox"/> Web <input type="checkbox"/> Hybrid <input checked="" type="checkbox"/> Classroom | | |
| Semesters Offered: <input type="checkbox"/> Fall <input type="checkbox"/> Spring <input checked="" type="checkbox"/> Summer | | |

Course Primary Text:

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|---|--------------|
| Title: Fundamentals of Industrial Hygiene | Edition: 6th |
| Author(s): Plog and Quinlan (editors) | |
| Publisher: National Safety Council | |

Supplemental Materials:

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| Handouts |
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Course Outcomes:

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| 1 | f. An ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature |
| 2 | e. An ability to identify, analyze, and solve narrowly defined engineering technology problems |
| 3 | An ability to apply the knowledge, techniques, skills, and modern tools of the discipline to narrowly defined engineering technology activities |
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Course Topics:

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|---------|------------------------------------|
| Week 1 | Overview of Industrial Hygiene |
| Week 2 | Anatomy & Physiology (lungs, skin) |
| Week 3 | Anatomy & Physiology (eyes, ears) |
| Week 4 | Recognition of Hazards |
| Week 5 | Test #1 |
| Week 6 | Gases, particulates |
| Week 7 | Radiation, biologicals |
| Week 8 | Evaluation of hazards |
| Week 9 | Evaluation of hazards |
| Week 10 | Test #2 |
| Week 11 | Control of Hazards |
| Week 12 | Control of Hazards |
| Week 13 | OS&H Professions |
| Week 14 | Governmental Regulations |
| Week 15 | Final |

Methods of Evaluation/Assessment

X ☐ Formative: X ☐ Summative

List assessment activities (e.g. quizzes, discussions, essays, research papers, debates, oral presentations, exams):

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| Homework |
| Paper |
| Presentation |
| quizzes |
| exams |
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Course Keeper: Dr. Ann Gunkel

Date Completed: 4/18/19