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### HEO 150T.01: Job Simulation

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**THE UNIVERSITY OF MONTANA  
COLLEGE OF TECHNOLOGY  
INDUSTRIAL TECHNOLOGY DEPARTMENT**

**COURSE SYLLABUS**

**COURSE NUMBER AND TITLE:** HEO 150T Job Simulation

**DATE REVISED:** Spring 2015

**SEMESTER CREDITS:** 6

**PREREQUISITES:** HEO 146T Safety and Basic Controls; HEO 148T Operational Skill Building; HEO 153T Construction Theory and Specialized Equipment

**Instructor Name:** Rod Frost

**E-Mail Address:** [rodney.frost@mso.umt.edu](mailto:rodney.frost@mso.umt.edu)

**Phone Number:** 406-243-7643

**Office Location:**

**Office Hours:** By appointment OR as posted on Faculty Office Door

**RELATIONSHIP TO PROGRAM:**

Continue to develop student operating skills, confidence to do the job, and ability to think on the job and solve problems as they arise. The effort is to prepare the student for employment with entry level equipment operator and work force skills.

**COURSE DESCRIPTION:**

Incorporates learned skills with job-type situations. Emphasis is on advanced equipment use including proper equipment selection and job safety. Students learn to define and solve job problems on site and then complete earth moving projects. Course may allow participation in cooperative project efforts within the community.

**STUDENT PERFORMANCE ASSESSMENT METHODS AND GRADING PROCEDURES:**

**Grading:** 92 – 100 = A  
82 – 91 = B  
71 – 81 = C  
60 – 70 = D  
0 – 59 = F

**NOTE: Courses must be passed with a 'C minus (C-)' or greater to count toward degree/certificate requirements.**

**Grade determination:**

Participation and Work Attitude (contribution to field project in planning, cooperation and equipment operation)	60%
Attendance	40%

**ATTENDANCE:**

1. ATTENDANCE IS NOT OPTIONAL. Students are expected to attend all scheduled classes and labs and complete assignments. Students must have a Doctor's note or other documentation for missed class. Notification of an absence other than for illness must be given before the absence to be considered excused and tardiness will be treated as unexcused.
2. Two unexcused absences will drop your final grade one letter grade. Each unexcused absence after that, continues to drop the final grade by one letter until the grade of 'F' is reached, at which time the student will be asked to withdraw from the class.

**CELL PHONE/PERSONAL ELECTRONIC DEVICES –**

**Cell Phones/Pagers/IPods:** These devices are not allowed in the classroom or lab, other than with prior approval of the instructor in case of emergency. Phones are not allowed in the classroom during tests. Taping or recording devices are not allowed to be used in lectures without prior permission from the instructor.

**ACADEMIC INTEGRITY:** All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University. All students need to be familiar with the Student Conduct Code. The Code is available for review online at <http://www.umt.edu/SA/VPSA/index.cfm/page/1321>.

**DISABILITY ACCOMMODATION:** Eligible students with disabilities will receive appropriate accommodations in this course when requested in a timely way. Please contact me after class or in my office. Please be prepared to provide a letter from your DSS Coordinator. For more information, visit the Disability Services website at <http://www.umt.edu/dss/> or call 406.243.2243 (Voice/Text).

**NOTE: Faculty reserves the right to modify syllabi and assignments as needed based on faculty, student, and/or environmental circumstances.**

**COURSE OUTLINE:**

- I. Review all operator manuals and safety booklets.
- II. Equipment use on site.
  - A. Determine equipment needs for given projects.
  - B. Goal – Provide maximum number job related operating hours.
  - C. Control the work project through surveying and plan specifications.
  - D. Build and develop skills
    1. Operation of the equipment
    2. Analysis of work needed
    3. Problem solving
- III. Spring Semester Project
  - A. Class hours may be adjusted to facilitate job continuity and student experience.

**NOTE: Faculty reserves the right to modify syllabi and assignments as needed based on faculty, student, and/or environmental circumstances.**