Spring 1-2016

WLDG 145.02K: Fabrication Basics I

Steven Patrick
University of Montana - Missoula, steven.patrick@mso.umt.edu

THE UNIVERSITY OF MONTANA
MISSOULA COLLEGE
INDUSTRIAL TECHNOLOGY DEPARTMENT

COURSE SYLLABUS

COURSE NUMBER AND TITLE: WLDG 145.01 and 145.02, Fabrication Basics I

DATE REVISED: Spring 2016

SEMESTER CREDITS: 4

PREREQUISITES: WLDG 180, WLDG 150,
CONCURRENT: WLDG 187, WLDG 117

INSTRUCTOR NAME: Steve Patrick
PHONE NUMBER: 243-7638
OFFICE LOCATION: West Campus, Welding Lab Office
OFFICE HOURS: 2:00 PM – 10:00 PM or by appointment

RELATIONSHIP TO PROGRAM(S):
This class provides theory of operations and skill development with a process that is primary in the fabrication of iron and steel. This experience complements the other welding processes taught in the program to attain a solid, broad based understanding of fabrications as an industrial metals joining process.

COURSE DESCRIPTION: This is a semester course that is set up as two half semester classes. The first section is a survey of different practices. This will introduce the student to various machines used for shaping, cutting, work-holding, and jig-making. Students will be required to take a project from a blueprint to a finished product.

STUDENT PERFORMANCE OUTCOMES:

Upon completion of this course, the student will be able to:

- Demonstrate by written exam, the theory and safe operation of fabrication equipment.
- Demonstrate by practical exam, making a project from blueprint to finished product.

STUDENT PERFORMANCE ASSESSMENT METHODS AND GRADING PROCEDURES:

NOTICE! Be aware that <u>each</u> course listed in <u>your</u> degree or certificate program must be completed with a C or better to graduate or receive a certificate.

GRADING:

Practical Assignments…….....35%	A = 90% - 100%
Written tests…….....30%	B = 89% - 80%
Quizzes.....10%	C = 79% - 70%
Completed Notebook.....20%	D = 69% - 60%
Professionalism.....5%	F = 59% or less

STUDENT PERFORMANCE ASSESSMENT METHODS AND GRADING PROCEDURES Continued:

Written Exam: Exams are derived from reading assignments given in class, homework, notes from class video presentations, etc. No make-up of exams, assignments, or quizzes will be allowed if proper notification wasn't given for absence.

Lab Work: these tests are derived from reading assignments given in class (homework), notes from class lectures, video presentations, etc. Class labs are building 2 small class projects and the major capstone project for the second half of the semester. Grading for the second half is also given a 20 point daily attendance grade for each scheduled lab day of class.

Quizzes are composed of your name/date and three to five questions. Name and date are worth 25%. To receive credit for questions they must be written out and correctly answered. Quizzes may be given at any time during the course scheduled meeting time. No make-up of exams, assignments, or quizzes will be allowed if proper notification wasn't given for absence.

Completed Notebook is a compilation of class notes and handouts. To receive the full 5% the notebook must be neat and organized. It must also be contained or be found contiguous within a three ring binder.

Professionalism is defined as a combination of one's attitude, motivation, participation, organization and willingness to maintain a clean work environment in the lab.

No make-up of written tests, written assignments or quizzes.

ATTENDANCE POLICY: Attendance is not taken, although you are required to be in attendance to successfully complete the course.

OTHER POLICIES:

1. **Safety** is required to be practiced at all times. Disregard of safe practices, endangering yourself or others may result in you being denied access to the Lab area.
2. **Eye protection** is mandatory at all times in the Lab area.

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 as referred to at the beginning of the syllabus. 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

REQUIRED TEXTBOOK: No required textbook for this class, reading materials are pulled from various resources and posted on Moodle.

SUGGESTED REFERENCE MATERIALS:

The Fabricator, Available at the COT library.