



COURSE IMPLEMENTATION DATE: September 2014
 COURSE REVISED IMPLEMENTATION DATE: _____
 COURSE TO BE REVIEWED: September 2020
(six years after UEC approval) *(month, year)*

OFFICIAL UNDERGRADUATE COURSE OUTLINE INFORMATION

Students are advised to keep course outlines in personal files for future use.
 Shaded headings are subject to change at the discretion of the department – see course syllabus available from instructor

ENGR 100	Physics	1
COURSE NAME/NUMBER	FACULTY/DEPARTMENT	UFV CREDIT
Production in Practice		
COURSE DESCRIPTIVE TITLE		

CALENDAR DESCRIPTION:

This course gives students rudimentary hands-on experience in several industrial practices associated with welding, electrical systems, construction, and automotive work.

PREREQUISITES: Enrolled in the Engineering Physics diploma in Mechatronics program.
 COREQUISITES:
 PRE or COREQUISITES:

SYNONYMOUS COURSE(S):

- (a) Replaces: _____
- (b) Cross-listed with: _____
- (c) Cannot take: _____ for further credit.

SERVICE COURSE TO: *(department/program)*

TOTAL HOURS PER TERM: 30

STRUCTURE OF HOURS:

Lectures:	<u>15</u> Hrs
Seminar:	_____ Hrs
Laboratory:	_____ Hrs
Field experience:	_____ Hrs
Student directed learning:	_____ Hrs
Other (specify): Shop experience	<u>15</u> Hrs

TRAINING DAY-BASED INSTRUCTION:

Length of course: _____
 Hours per day: _____

OTHER:

Maximum enrolment: 18
 Expected frequency of course offerings: Annually
(every semester, annually, every other year, etc.)

WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only) Yes No
WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department) Yes No
TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE: Yes No

Course designer(s): <u>Peter Mulhern</u>	Date approved: <u>August 26, 2013</u>
Department Head: <u>Derek Harnett</u>	Date of meeting: <u>September 27, 2013</u>
Campus-Wide Consultation (CWC)	Date approved: <u>October 18, 2013</u>
Curriculum Committee chair: <u>David Fenske</u>	Date approved: <u>October 18, 2013</u>
Dean/Associate VP: <u>Lucy Lee</u>	Date of meeting: <u>November 22, 2013</u>
Undergraduate Education Committee (UEC) approval	

LEARNING OUTCOMES:

Upon successful completion of this course, students will be able to:

- Perform simple shop manufacturing activities,
- Identify the names, functions, and limitations of standard tools and standard fasteners.
- Identify projects that should be constructed by someone else.
- Find industrial code information.
- Estimate time and cost of simple projects.
- Adhere to shop safety standards.

METHODS: *(Guest lecturers, presentations, online instruction, field trips, etc.)*

Lecture
Shop experience

METHODS OF OBTAINING PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):

Examination(s) Portfolio assessment Interview(s)

Other (specify):

PLAR cannot be awarded for this course for the following reason(s):

TEXTBOOKS, REFERENCES, MATERIALS:

[Textbook selection varies by instructor. An example of texts for this course might be:]

None
Students will need access to industrial codes

SUPPLIES / MATERIALS:

As dictated by the shop supervisor for that offering of the course

STUDENT EVALUATION:

[An example of student evaluation for this course might be:]

In-class quizzes to assess knowledge of safety and standards: 20%
Shop work: 80%

COURSE CONTENT:

[Course content varies by instructor. An example of course content might be:]

Hands-on experience in:

- Welding
- Metal fabrication
- Automotive
- Framing
- Electrical/wiring
- Plumbing