



WEBER STATE UNIVERSITY

CONTINUING EDUCATION CONCURRENT ENROLLMENT

DET 1160 Syllabus

High School: Nuames

WSU Concurrent Adjunct Instructor: Mr. Reid

High School Course Name: Introduction to Engineering Design

(Attention: Contact the College or University you wish to attend to make sure that these Concurrent Enrollment courses will meet your goals for fulfilling General Education requirements or will count toward your chosen major).

Concurrent Adjunct Instructor's Office Hours:
7:30-8am M-F

Concurrent Adjunct Instructor's email:
Robertreid1@weber.edu

Prerequisite High School Courses if any:
NA

WSU Department Name:
Design Engineering Technology

WSU Course Number & Listing:
DET 1160: Geometric Dimensioning and Tolerancing 3D CAD (Required course for DET, MET and MFET majors)

WSU Course Description:
Learning to use CAD to create industrial level production working drawings, including ANSI standards, precision dimensions, fits and tolerances, surface finished, symbols for welding, piping, etc., machine elements and processes, sheet metal, and surface and solid modeling. Geometric Dimensioning and Tolerancing (GD&T) basics, and descriptive geometry.

Students will demonstrate ABET Program Outcomes in the following categories:

- a. An appropriate mastery of the knowledge, techniques, skills, and modern tools of their discipline
- d. An ability to apply creativity in the design of systems, components, or processes appropriate to program educational objectives.

Course Learning Objectives:

Upon successful completion students will be able to

1. Understand GD&T and its application and function
2. Create detail drawings with GD&T appropriately
3. Create 3D parts from 2D sketches and then use these parts to create detail drawings and assemblies
4. Know how to manage models, drawings and assembly files in the computer system

Course Textbook:

Geometric Dimensioning and Tolerancing: Based on ANSI/ASME Y14.5 – 2009
by David A. Madsen & David P. Madsen

Course Equipment:

Canvas Login
Firefox Internet Browser
SolidWorks experience
Download Student Version of Solidworks or Autodesk Inventor to use at home (optional)
2GB Flash drive

Course Administration:

- Students are expected to attend all the lectures. It is students' responsibility to secure all materials and information presented in lecture, even with an excused absence. Lectures will not be repeated.
- Students are expected to be self-disciplined, to be prepared, to be on-time with assignments, and to do original work. Failure to do so will result in lost course points or failure.
- Students are responsible for the security of their files. Students are expected to maintain their digital data. In case of data loss, students must recreate their work without exceptions.
- Students are expected to be respectful and professional towards the instructor and classmates.
- Electronic devices (cell phones, tablets, and etc.) are not allowed in the room during any test, exam, or quiz.
- Students are not allowed to submit their assignments via email unless otherwise specified by the Instructor.
- It is permissible to bring your own laptop to lecture for taking notes purpose. Any electronic devices should be on silent. If your device becomes a disturbance

to class members, you will be asked to turn it off, or not to bring it back. If you need to use your cellphone, please leave the room.

Attendance Policy:

- DET students are considered Design Engineering Technology professionals and are responsible for directing their own education. As such, the decision to attend class is at each student's personal discretion.
- Absences CAN effect student grades if they do not understand the material or are not aware of changes to the class that can include (but are not limited to) the scheduling of quizzes, exams, assignments, projects, and extra credit. The instructor has the right to alter the course at his own discretion, so students missing class may not be aware of important information.
- Students are responsible for the body of information in the lectures, labs, and assigned reading materials. Students who do not attend class will not be given makeup lecture sessions or notes by the instructor. Similarly, makeup tests and quizzes will also not be given. If a student misses a class, it is up to them to make sure they acquire the relevant material from another source. Do NOT send the instructor an e-mail asking to explain the contents of a missed lecture or lab.
- Students are expected to attend class for mandatory events such as tests and quizzes, and it is up to the individual student to know when those events are. Ignorance of these events is not an excuse, and any student who wants current information is expected to attend class.

Outside Work:

Outside work will be absolutely necessary. Students will NOT be able to do well in this course if they work only in regularly scheduled class sessions.

Course Projects:

Students will be expected to successfully complete multiple projects throughout the course of the semester. Projects will be graded on professionalism, execution, creativity, technical merit, and communicative value.

Exams:

Exams will cover material from the lecture, demonstrations, and laboratory portions of the course and be administered during the regularly scheduled lecture period.

Grading Policy:

Grades will be given using the following total earned scores.

94-100 = A	74-76% = C
90-93% = A-	70-73% = C-
87-89% = B+	67-69% = D
84-86% = B	64-66% = D
80-83% = B-	60-63% = D-
77-79% = C+	59-0% = F

WSU Course Evaluation:

As a concurrent student, you are given the privilege of evaluating this concurrent course. This is an anonymous evaluation which allows you an opportunity to express your opinions of the course and the instructor.

Student Conduct & Disabilities:

WSU Student Code of Conduct <http://www.weber.edu/deanofstudents/judicial.html>
Students with Disabilities <http://www.weber.edu/ssd>

*PPM 3-34 notes: "When students seek accommodation in a regularly scheduled course, they have the responsibility to make such requests at the Center for Students with Disabilities before the beginning of the quarter [semester] in which the accommodation is being requested. When a student fails to make such arrangements, interim accommodations can be made by the instructor, pending the determination of the request for a permanent accommodation." **Weber State University Concurrent Enrollment students** who have a pre-established 504 Plan or IEP may continue using the accommodations established therein during CE courses, provided that the accommodations have proven effective and are reasonable for a university level course. Faculty, staff, parents, and students may contact WSU Disability Services at any point to discuss or verify accommodations for CE classes. CE students should discuss their accommodation needs with faculty as soon as possible. Most questions or situational issues can be discussed and subsequently resolved to meet the students' needs. Students should provide faculty with written (print or email) requests of accommodations for their approved 504 or IEP plan.*