



WEBER STATE UNIVERSITY

CONTINUING EDUCATION CONCURRENT ENROLLMENT

DET 1040 Syllabus

High School: Nuames

WSU Concurrent Adjunct Instructor: Mr. Reid

High School Course Name: Introduction to Engineering

(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:

M-F 7:30-8 am

Concurrent Adjunct Instructor's phone and email:

Robertreid1@weber.edu

Prerequisite High School Courses if any:

NA

WSU Department Name:

Design Engineering Technology

WSU Course Number & Listing:

DET 1040: Introduction to Residential Architecture (Required course for traditional DET, Architectural Engineering Technology Minor, and BIS in Architectural Engineering Technology Majors)

WSU Course Description:

The first in a sequence of courses that prepare individuals for careers in the Architecture, Engineering, and Construction (AEC) industry. This course includes

instruction in 2D or 3D computer aided design (CAD) software to draw a small residential home with an emphasis on blueprint reading.

Course Learning Outcomes:

Upon successful completion students will be able to:

- Use construction documents to identify components and construct a scaled physical cross section model of a rambler with a basement using readily available materials.
- Interpret and create construction documents used in the AEC industry.
- Investigate Architecture, Engineering, and Construction (AEC) related career opportunities.
- Understand, demonstrate, and apply mathematics and measuring skills used in the AEC industry.
- Demonstrate Architectural sketching and CAD drawing techniques.
- Lay out a floor plan for a residence that meets Habitat for Humanity specifications for a two bedroom slab on grade, 20' x 40' starter home or a 8' x 16' tiny house.

Resources Needed:

- UEN Canvas Login
- Firefox or Google Chrome Internet Browser
- Adobe PDF Reader
- Print to PDF capability
- Something Capable of digitizing Letter & Ledger size paper (Phone, scanner)
- Engineers Scale
- Architects Scale
- File Storage (online preferred, box, google drive, dropbox, Autodesk 360)
- Headphones to use in the lab

Textbooks: None (everything is embedded into this course including the e-book)

Course Administration:

Lectures and in class discussion will concern the body of knowledge or "theory" needed to complete the learning outcomes. Demonstrations will cover specific operations and techniques. Students are expected to be at all class sessions. It is the responsibility of the students to secure all materials and information presented in class. ***Lectures will not be repeated.*** Lectures may be taped recorded with the professor's permission.

- 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 "did we cover anything important today" or ask 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 will be absolutely necessary. Students will NOT be able to do well in this course if they work only in regularly scheduled class sessions.
- As in the AEC industry, the instructor has the right to make changes to many portions of the curriculum due to the ever-changing nature of technology; certain information on Canvas may be obsolete or out-of-date. As such, it is up to the student to confirm this information by either attending class or obtaining the information from another source.
- In the event of a major campus emergency; course requirements and deadlines are subject to change that may be necessitated by a revised semester calendar or other circumstances.
- 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.

Grading Policy:

Grades will be given using the following total earned percentages. (See the weighted assignment groups in canvas under the course syllabus)

94-100% = A

90-93% = A-

87-89% = B+

84-86% = B

80-83% = B-

77-79% = C+

74-76% = C

You must get a "C" or better in order for this to class to count towards graduation.

Student Conduct Policy:

- No swearing, or derogatory comments about, or towards, any member of the class will be tolerated in any class period.
- No food or drinks of any kind will be allowed in any lab sessions.
- Students are expected to arrive on time for all class and lab sessions.
- Late assignments will not be accepted unless prior arrangements have been made with the Instructor and because of extreme circumstances. (Not coming to lab, or forgetting, doesn't rate as an extreme circumstance.)
- No student will be allowed to make up any written exam, lab practical, exam, or quiz unless they have an official or medical excuse.
- Any student found participating in cheating, plagiarism, copying material from another person's disk, using a cell phone or other materials during a written

examination, lying to course instructors and lab assistants about his or her own work, stealing tests, quizzes, or answer keys, and any such activities will be considered in conflict with the printed academic honesty guidelines as set out by Weber State University. In such cases the matter will be reported to the Office of the Dean and the appropriate Weber State University administration officers for consideration and possible disciplinary action.

- Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD) in room 181 of the Student Service Center. SSD can also arrange to provide course materials (including this syllabus) in alternative formats if necessary.
 - It is permissible to bring a laptop (notebook, tablet etc.) computer to class for the purpose of taking notes. Turn the sound OFF--- the clicking, clacking, or sound effects distracts other students. Similarly, there will be no tolerance for beeping, chirping, ringing (or any other sound) from a cell phone in class. If students must use your cell phone for any reason, they must leave the room.
 - WSU Student Code of Conduct <http://www.weber.edu/deanofstudents/judicial.html>
 - Students with Disabilities <http://www.weber.edu/ssd>
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- *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.