

Salt Lake Community College
EDMT Department
EDDT 2180: Electronics Drafting

Instructor:

Office: [REDACTED]

Phone:

Consultation Hours: TBD

E-Mail: Please use canvas

COURSE DISCRIPTION: Drafting and design techniques used in the electronics industry including: electronics symbols, schematic and logic diagrams, electro-mechanical design, printed circuit board design, artwork layout and related industry standards. Students will be using PADS which is a circuit board layout software package and AutoCAD.

COURSE LEARNING OUTCOMES:

- Drafting and design techniques used in the electronics industry including: electronics symbols, schematic and logic diagrams, electro-mechanical design, printed circuit board design, artwork layout, and related industry standards. Students will be using PADS which is a circuit board layout software package and AutoCAD.
- Create electrical schematic diagrams that meet current industry standards.
- Procedure to create layouts for printed circuit boards.
- Create the detail, artwork and assembly drawings associated with printed circuit boards.
- Design layouts using vendor sheets for components and produce the required drawing package for electro-mechanical assemblies.
- Create connection and/or cable diagrams that meet current industry standards.

Required Supplies: Computer Storage device.

Course Evaluation:

Grading of the course will be based on mastery of the performance objectives and determined according to accuracy, appearance, adherence to drafting standards, and completion of both the assignments and the final exam. The final grade will be based on the following percentages:

100% - 95% A	82% - 79% B-	65% - 62% D+
94% - 90% A-	78% - 75% C+	61% - 58% D
89% - 87% B+	74% - 70% C	57% - 54% D-
86% - 83% B	69% - 66% C-	53% - E

Homework: Most of the work can be completed in class. There are 4 CAD labs at the college which students can use to complete their work. Students can also download the software on their personal computer to do work at home.

CAD Assignments: CAD assignments will be graded and recorded in canvas. Assignments will be graded with the instructor to fully understand corrections that need to be made.

TENATIVE SCHEDULE: Will be posted on Canvas.