

For Curriculum Office Use Only

Date Submitted: 2018-09-21 Approval date by Faculty Senate and Provost: 2018-11-19
School: SM Division: NS Department: EDDT Catalog Year: 19/20
Course Level: UG Grading Mode: S, H Occupational Code: V Classification: BA

**Salt Lake Community College
Course Curriculum Outline (CCO)**

Faculty Contact: Michael Stenquist

Action: Revised

Rationale for action; include the proposed changes: Migrate/Update to new CCO template. Updating SLO's.

If other than next catalog year, semester of implementation: Spring 2019

Course Prefix: EDDT

Course Number: 1040

Course Title: Introduction to AutoCAD

If different than above, Full Course Title:

Course Description: Basic skills using AutoCAD for drawing applications are taught. The course includes: draw and modify commands, geometric construction, dimensions, templates, blocks and libraries, hatching, layers, scales, and plotting. Students will also be introduced to 3D CAD.

Pre-Requisite(s): None

Recommended Pre-Requisite(s): EDDT 1010

Co-Requisite(s): None

Recommended Co-Requisite(s): None

Other Registration Restriction(s): None

Semester(s) Taught: Fall, Spring, Summer

SLCC Equivalent Course(s): None

For Credit Courses	For Clock Hour Courses
Credit hours: 3	Clock hours:
Total contact hours: 5	Billable hours:
Lecture: 2	Total contact hours:
Lab: 3	
Other:	

Can this course be repeated for additional credit? No

If yes, what's the repeat limit?

Is this course designed for General Education? No

If yes, indicate General Education designations:

Complete the General Education Rationale.

Is there an equivalent (or potentially equivalent) course at other USHE institution(s)? No

If yes, explain:

Course Student Learning Outcomes mapped to [SLCC College-Wide & General Education Student Learning Outcomes](#).

- | | |
|------------------------------------|---|
| 1. Acquire substantive knowledge | 5. Become a community engaged learner |
| 2. Communicate effectively | 6. Work in a professional & constructive manner |
| 3. Develop quantitative literacies | 7. Develop computer & information literacy |
| 4. Think critically & creatively | 8. Develop lifelong wellness |

Course Learning Outcomes	SLCC CWSLO #
Basic skills using AUTOCAD for drawing applications are taught. The student will demonstrate an understanding of AutoCAD's draw and modify commands, geometric construction, dimensions, templates, blocks and libraries, hatching, layers, scales, and plotting.	1,2,3,4,6,7
The student will demonstrate an understanding of AutoCAD's user interface including: Screen Access, Menus, Toolbars, Dialog Boxes, command structure, Windows applications for editing, customized profiles, button assignments, drafting settings. Also drawing scales and factors.	1,2,3,4,6,7
The student will demonstrate an understanding of each of the following, modification, and reproduction commands, use of AutoCAD functions for ease and efficiency in geometric construction, orthographic and auxiliary projection including: polygons, ellipses, tangencies, splines, and alignments.	1,2,3,4,6,7
The student will demonstrate an understanding of drawing aids including: snap, grid, Object snap tools, Ortho, Polar tracking, Object tracking, coordinate and polar input, Cartesian coordinate system in the creation of precision drawings.	1,2,3,4,6,7
The student will demonstrate an understanding of basic Dimensioning including: a. Quick dimensioning. b. ANSI standards for different types of dimensioning c. Ordinate dimensions from a 0,0 datum d. Metric dimensions and scales e. Mechanical dimensions with tolerances, different precisions, and text added. f. Changing and creating dimension styles, scales, tolerances, units, and format.	1,2,3,4,6,7
The student will demonstrate an understanding of how to create blocks and block libraries, modifying existing blocks, attributes and using blocks from the Design Center.	1,2,3,4,6,7

The student will demonstrate an understanding of how to draw and dimension orthographic drawings, section drawings, and auxiliary drawings.	1,2,3,4,6,7
The student will create 3-D CAD drawings and also create parts with our 3D Printers to see how they apply to the design process.	1,2,3,4,6,7

See [SLCC Assessment webpage](#) for additional details about College-Wide Student Learning Outcomes

A representative syllabus must be included.

How were AIC comments addressed by School Curriculum Committee?

AIC comments were considered by the faculty member prior to bringing to SME curriculum committee. The SME curriculum committee examined each AIC comment and asked the faculty member to explain responses to AIC. The faculty member’s response to AIC comments was considered during the decision to support or reject the curriculum proposal. -Craig Caldwell