

Drafting and Design Technology PLOs 2017-2018



Acad Program - Drafting and Design Technology (AAS)

Unit Assessment Coordinator: David Shankle

Mission: The mission of the Drafting and Design Technology program is to provide students an opportunity to obtain board and computer drafting skills needed for employment and career advancement.

<i>Program Learning Outcomes</i>	<i>Assessment Methods</i>	<i>Assessment Results</i>	<i>Action Taken (Use of Results)</i>
<p>PLO #1 - Upon completing this program, students will be able to use AutoCAD in various disciplines of drafting.</p> <p>Outcome Status: Active/Ongoing</p> <p>Assessment Year: 2016 - 2017, 2017 - 2018, 2018 - 2019</p> <p>Start Date: 07/01/2016</p>	<p>Presentation - Drafting students will give a presentation on AutoCAD in CADD 1201.</p> <p>Criterion: 70% of the Drafting students will score a 70 or better on the AutoCAD presentation in CADD 1201.</p>	<p>Reporting Period: 2017 - 2018 EoY</p> <p>Result Type: Criterion Met</p> <p>9/9 (100%) of the students in CADD 1201 scored a 70 or better on the CAD Presentation. (05/23/2018)</p> <p>Analysis: The criterion was met.</p>	<p>Action Taken (Use of Results):</p> <p>While the criterion was met, the class will be upgraded to AutoCAD 2018 so students can make high-end renderings of objects in their presentation. (05/23/2018)</p>
	<p>Demonstration - Drafting students will demonstrate the proper use of common drafting tools and the ability to construct basic layouts in DRFT 1102.</p> <p>Criterion: 70% of the Drafting students in DRFT 1102 will score a 70 or better on the Pivot Bracket Project.</p>	<p>Reporting Period: 2017 - 2018 EoY</p> <p>Result Type: Criterion Not Met</p> <p>13/20 (65%) of students in DRFT 1102 scored a 70 or better on the Pivot Bracket Project. (05/18/2018)</p> <p>Analysis: The criterion was not met.</p>	<p>Action Taken (Use of Results):</p> <p>While the criterion was not met, it was far exceeded last year. There was an especially difficult group of students in the Spring 18 semester. Continued emphasis will be placed on successful completion of the Pivot Bracket Project. (05/18/2018)</p>
	<p>Demonstration - Drafting students will demonstrate the proper use of common drafting tools and the ability to construct basic layouts in DRFT 1103.</p> <p>Criterion: 70% of the students in DRFT 1103 will score a 70 or better on the Bracket Project.</p>		

<i>Program Learning Outcomes</i>	<i>Assessment Methods</i>	<i>Assessment Results</i>	<i>Action Taken (Use of Results)</i>
<p>PLO #2 - Upon completing this program, students will be able to interpret ideas or sketches into working drawings. Outcome Status: Active/Ongoing Assessment Year: 2016 - 2017, 2017 - 2018, 2018 - 2019 Start Date: 07/01/2016</p>	<p>Demonstration - Drafting students will sketch and measure an existing piece of equipment to complete a set of drawings in DRFT 2305. Criterion: 70% of Drafting students in DRFT 2305 will score a 70 or better on the Steel Platform Project.</p>	<p>Reporting Period: 2017 - 2018 EoY Result Type: Criterion Met 16/21 (76%) of students in DRFT 2305 scored a 70 or better on the Steel Platform Project. (05/23/2018) Analysis: The criterion was met.</p>	<p>Action Taken (Use of Results): While the criterion was met, the project will be upgraded to the Industrial Steel Platform behind the RTC. (05/23/2018)</p>
	<p>Demonstration - Drafting students will complete a set of CAD drawings from an assigned sketch in DRFT 2305. Criterion: 70% of Drafting students in DRFT 2305 will score a 70 or better on Problem 22.1.</p>	<p>Reporting Period: 2017 - 2018 EoY Result Type: Criterion Met 18/21 (86%) of students in DRFT 2305 scored a 70 or better on Problem 22.1. (05/23/2018) Analysis: The criterion was met.</p>	<p>Action Taken (Use of Results): No action necessary at this time. (05/23/2018)</p>
<p>PLO #3 - Upon completing this program, students will be able to collect field notes and data on existing equipment or property to be used in the creation of working drawings. Outcome Status: Active/Ongoing Assessment Year: 2016 - 2017, 2017 - 2018, 2018 - 2019 Start Date: 07/01/2016</p>	<p>Demonstration - Drafting students will measure and sketch all necessary views, notes, and dimensions to complete a set of drawings in the field in DRFT 2304. Criterion: 70% of Drafting students in DRFT 2304 will score a 70 or better on the Mini-Plant Project.</p>	<p>Reporting Period: 2017 - 2018 EoY Result Type: Criterion Met 18/21 (86%) of the students in DRFT 2304 scored a 70 or better on the Mini-Plant Project. (05/23/2018) Analysis: The criterion was met.</p>	<p>Action Taken (Use of Results): While the criterion was met, the assessment method will be changed to a more substantial Field Sketch and Measurement Project in 2018-2019. (05/23/2018)</p>
	<p>Demonstration - Drafting students will convert field notes and sketches of equipment into CAD files in DRFT 2304. Criterion: 70% of Drafting students in DRFT 2304 will score a 70 or better on Problem 21.26.</p>	<p>Reporting Period: 2017 - 2018 EoY Result Type: Criterion Met 16/21 (76%) of students in DRFT 2304 scored a 70 or better on Problem 21.26. (05/23/2018) Analysis: The criterion was met.</p>	<p>Action Taken (Use of Results): No changes necessary at this point. (05/23/2018)</p>