

Drafting and Design Technology PLOs 2018-2019



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: 2018 - 2019 EoY</p> <p>Result Type: Criterion Met</p> <p>8/11 (72%) of the students in CADD 1201 scored a 70 or better on their presentation. (06/19/2019)</p> <p>Analysis: The criterion was met.</p>	<p>Action Taken (Use of Results):</p> <p>While the criterion was met, it was very close. The instructor plans on increasing the presentation time from 5 minutes to 10 minutes and requiring a minimum presentation time of 5 minutes. (06/19/2019)</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: 2018 - 2019 EoY</p> <p>Result Type: Criterion Met</p> <p>7/8 (88%) of the students in DRFT 1103 scored a 70 or better on the Bracket Project. (06/19/2019)</p> <p>Analysis: The criterion was exceeded this year.</p>	<p>Action Taken (Use of Results):</p> <p>This was our first year with the new assessment demonstration. We will continue to monitor the project for future improvements. (06/19/2019)</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</p>		

Program Learning Outcomes	Assessment Methods	Assessment Results	Action Taken (Use of Results)
	on the Bracket Project.		
<p>PLO #2 - Upon completing this program, students will be able to interpret ideas or sketches into working drawings.</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>Demonstration - Drafting students will sketch and measure an existing piece of equipment to complete a set of drawings in DRFT 2305.</p> <p>Criterion: 70% of Drafting students in DRFT 2305 will score a 70 or better on the Steel Platform Project.</p>	<p>Reporting Period: 2018 - 2019 EoY</p> <p>Result Type: Criterion Met</p> <p>15/18 (83%) of the students in DRFT 2305 scored a 70 or better on the Steel Platform Project. (06/19/2019)</p> <p>Analysis: The criterion was met.</p>	<p>Action Taken (Use of Results):</p> <p>While the criterion was met, students will be required to produce a 3D print of the steel platform in the future. (06/19/2019)</p>
	<p>Demonstration - Drafting students will complete a set of CAD drawings from an assigned sketch in DRFT 2305.</p> <p>Criterion: 70% of Drafting students in DRFT 2305 will score a 70 or better on Problem 22.1.</p>	<p>Reporting Period: 2018 - 2019 EoY</p> <p>Result Type: Criterion Met</p> <p>17/18 (94%) of students in DRFT 2305 scored a 70 or better on Problem 22.1. (06/19/2019)</p> <p>Analysis: The criterion was far exceeded.</p>	<p>Action Taken (Use of Results):</p> <p>While the criterion was far exceeded the last two years, it was not met three years ago. If it is far exceeded again next year, the criterion will likely be increased. (06/19/2019)</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.</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>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.</p> <p>Criterion: 70% of Drafting students in DRFT 2304 will score a 70 or better on the Mini-Plant Project.</p>	<p>Reporting Period: 2018 - 2019 EoY</p> <p>Result Type: Criterion Met</p> <p>13/13 (100%) of the students in DRFT 2304 scored a 70 or better on the Mini-Plant Project. (06/19/2019)</p> <p>Analysis: The criterion was far exceeded.</p>	<p>Action Taken (Use of Results):</p> <p>The mini-plant will be replaced by the "hot unit" at the PTECH building. (06/19/2019)</p>
	<p>Demonstration - Drafting students will convert field notes and sketches of equipment into CAD files in DRFT 2304.</p> <p>Criterion: 70% of Drafting students in DRFT 2304 will score a 70 or better on Problem 21.26.</p>	<p>Reporting Period: 2018 - 2019 EoY</p> <p>Result Type: Criterion Met</p> <p>13/13 (100%) of the students in DRFT 2304 scored a 70 or better on Problem 21.26. (06/19/2019)</p> <p>Analysis: The criterion was far exceeded.</p>	<p>Action Taken (Use of Results): We will monitor the results one more year. If the criterion are far exceeded again, we will increase the criterion. (06/19/2019)</p>