

# Assessment: Program Four Column

2021-22 Drafting and Design Technology



## 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><b>PLO #1</b> - Upon completing this program, students will be able to use AutoCAD in various disciplines of drafting.</p> <p><b>Outcome Status:</b> Active/Ongoing</p> <p><b>Assessment Year:</b> 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022</p> <p><b>Start Date:</b> 07/01/2016</p>	<p><b>Presentation</b> - Drafting students will give a presentation on AutoCAD in CADD 1201.</p> <p><b>Criterion:</b> 70% of the Drafting students will score a 70 or better on the AutoCAD presentation in CADD 1201.</p>	<p><b>Reporting Period:</b> 2021 - 2022 EoY</p> <p><b>Result Type:</b> Criterion Met</p> <p>88% of the students in CADD 1201 scored a 70 or better on the AutoCAD presentation.</p> <p>Fall 5/7 = 71%</p> <p>Spring 9/9 = 100%</p> <p>Total 14/16 = 88% (06/30/2022)</p> <p><b>Additional Notes:</b> Goodman</p> <p><b>Analysis:</b> The criterion was exceeded.</p>	<p><b>Action Taken (Use of Results):</b> No changes will be made to this assessment. Being able to make an AutoCAD presentation is an important skill in the drafting industry. (06/30/2022)</p>
	<p><b>Demonstration</b> - Drafting students will demonstrate the proper use of common drafting tools and the ability to construct basic layouts in DRFT 1103.</p> <p><b>Criterion:</b> 70% of the students in DRFT 1103 will score a 70 or better on the Bracket Project.</p>	<p><b>Reporting Period:</b> 2021 - 2022 EoY</p> <p><b>Result Type:</b> Criterion Met</p> <p>88% of the drafting students demonstrated the proper use of common drafting tools and the ability to construct basic layouts with a score of 70 or better in DRFT 1103.</p> <p>Fall 8/9 = 89%</p> <p>Spring 6/7 = 86%</p> <p>Total 14/16 = 88% (06/30/2022)</p> <p><b>Additional Notes:</b> Parker</p> <p><b>Analysis:</b> The criterion was exceeded.</p>	<p><b>Action Taken (Use of Results):</b> No changes will be made to the assessment. This is a critical skill in drafting. (06/30/2022)</p>
<p><b>PLO #2</b> - Upon completing this program, students will be able to interpret ideas or sketches into working drawings.</p> <p><b>Outcome Status:</b> Active/Ongoing</p> <p><b>Assessment Year:</b> 2016 - 2017, 2017 -</p>	<p><b>Demonstration</b> - Drafting students will sketch and measure an existing piece of equipment to complete a set of drawings in DRFT 2305.</p> <p><b>Criterion:</b> 70% of Drafting students</p>	<p><b>Reporting Period:</b> 2021 - 2022 EoY</p> <p><b>Result Type:</b> Criterion Met</p> <p>90% of the students in DRFT 2305 scored at least a 70 on the steel platform project.</p> <p>10/11 = 90% (This class is taught only one semester per</p>	<p><b>Action Taken (Use of Results):</b> No changes will be made to this assessment at this time. (06/30/2022)</p>

Program Learning Outcomes	Assessment Methods	Assessment Results	Action Taken (Use of Results)
<p>2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022  <b>Start Date:</b> 07/01/2016</p>	<p>in DRFT 2305 will score a 70 or better on the Steel Platform Project.</p> <p><b>Demonstration</b> - Drafting students will complete a set of CAD drawings from an assigned sketch in DRFT 2305.  <b>Criterion:</b> 70% of Drafting students in DRFT 2305 will score a 70 or better on Problem 22.1.</p>	<p>academic year.) (06/30/2022)  <b>Additional Notes:</b> Goodman  <b>Analysis:</b> The criterion was exceeded.  <b>Reporting Period:</b> 2021 - 2022 EoY  <b>Result Type:</b> Criterion Met  90% of the students in DRFT 2305 completed a set of CAD drawings from an assigned sketch.  10/11 = 90% (This course is only taught once per academic year.) (06/30/2022)  <b>Additional Notes:</b> Goodman  <b>Analysis:</b> The criterion was exceeded.</p>	<p><b>Action Taken (Use of Results):</b> No changes will be implemented to this assessment. The students performed very well. (06/30/2022)</p>
<p><b>PLO #3</b> - 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.  <b>Outcome Status:</b> Active/Ongoing  <b>Assessment Year:</b> 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022  <b>Start Date:</b> 07/01/2016</p>	<p><b>Demonstration</b> - Drafting students will measure and sketch all necessary views, notes, and dimensions to complete a set of drawings in the field in DRFT 2304.  <b>Criterion:</b> 70% of Drafting students in DRFT 2304 will score a 70 or better on the Mini-Plant Project.</p>	<p><b>Reporting Period:</b> 2021 - 2022 EoY  <b>Result Type:</b> Criterion Met  All students (100%) in DRFT 2304 scored a 70 or better on the mini plant project.  11/11 = 100% (This course is taught only once each academic year.) (06/30/2022)  <b>Additional Notes:</b> Goodman  <b>Analysis:</b> The criterion was far exceeded.</p>	<p><b>Action Taken (Use of Results):</b> No changes will be made to this assessment. (06/30/2022)</p>
<p><b>PLO #3</b> - 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.  <b>Outcome Status:</b> Active/Ongoing  <b>Assessment Year:</b> 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022  <b>Start Date:</b> 07/01/2016</p>	<p><b>Demonstration</b> - Drafting students will convert field notes and sketches of equipment into CAD files in DRFT 2304.  <b>Criterion:</b> 70% of Drafting students in DRFT 2304 will score a 70 or better on Problem 21.26.</p>	<p><b>Reporting Period:</b> 2021 - 2022 EoY  <b>Result Type:</b> Criterion Met  100% of the students in DRFT 2304 scored a 70 or better on the assignments to convert field notes and sketches of equipment into CAD files.  11/11 = 100% (This course is taught once per academic year.) (06/30/2022)  <b>Additional Notes:</b> Goodman  <b>Analysis:</b> The criterion was exceeded.</p>	<p><b>Action Taken (Use of Results):</b> No changes will be made to this assessment at this time. (06/30/2022)</p>