DRAF 260 Drafting Capstone Course
Credit Hours: 1
Scheduled hours per week
Lecture: 1
Lab: 0
Other: 0

Catalog Course Description: This course serves as a culmination of the Drafting A.A.S. Degree program. Portfolios are designed and completed demonstrating competencies and skills learned within the courses of the program. Industry Standards Examinations are prepared for and taken. Capstone course.

Pre-requisites: Sophomore Status

Co-requisites: None

Course Learning Outcomes:
To demonstrate a comprehensive knowledge and understanding of the topics taught in the Drafting degree program, and that ability to apply those concepts to real world situations. Students will take the American Design Drafting Association Apprentice Drafter exam at the end of the semester.

Topics to be studied:
- ADDA Mechanical Apprentice Drafter Certification
- Drafting Portfolio
- Resume
- Cover Letter

Relationship of Course to Program Learning Outcomes:	
Create two and three-dimensional drawings using AuotCAD, Microstation, Inventor, Revit, and 3D Studio Max.	X
Create three-dimensional animations and walkthroughs using AutoCAD, Revit, Inventor and 3D Studio Max.	X
Apply arithmetic, algebraic, and trigonometric calculations in solving basic design problems.	X
Apply physics to solve mechanical design problems.	
Understand by verbal and visual means the design of drawings and models.	X
Understand in writing to fellow coworkers and customer of any comments and concerns	X

Relationship of Course to General Education Learning Outcomes:	
Composition and Rhetoric Students illustrate a fundamental understanding of the best practices of communicating in English and meet the writing standards of their college or program-based communication requirements.	X
Science & Technology Students successfully apply systematic methods of analysis to the natural and physical world, understand scientific knowledge as empirical, and refer to data as a basis for conclusions.	X
Mathematics & Quantitative Skills Students effectively use quantitative techniques and the practical application of numerical, symbolic, or spatial concepts.	X
Society, Diversity, & Connections Students demonstrate understanding of and a logical ability to successfully analyze human behavior, societal and political organization, or communication.	X
Human Inquiry & the Past Students interpret historical events or philosophical perspectives by identifying patterns, applying analytical reasoning, employing methods of critical inquiry, or expanding problem-solving skills.	X
The Arts & Creativity Students successfully articulate and apply methods and principles of critical and creative inquiry to the production or analysis of works of art.	X
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Special requirements of the course:

None

Additional information:

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