Computer Aided Drafting & Design (CADD): Mechanical, Process Piping and Control, AAS

Computer Aided Drafting Certificate

The assessment of student learning outcomes is not only a key indicator of program effectiveness, it is also one of the standards of excellence identified by the Middle States Commission (Standard 5) and is required through the SUNY assessment initiative.

Program Learning Outcomes as stated in Catalog

Upon completion, students will demonstrate:

1. The ability to use AutoCAD to express ideas in a timely and efficient manner
2. An understanding of industry standards
3. The ability to use basic algebra and trigonometry to solve design problems
4. The ability to use catalog and reference material to solve design problems
5. Use Solid Modeling design software and peripherals to produce industry acceptable designs

Curriculum Map					
	PLO1	PLO2	PLO3	PLO4	PLO5
DRF173	L(I)	L (I)			
DRF180	L,PR (R)	L (I)	L,PR (P)	L,PR (I)	
DRF181	L,PR (R)	L (P)	L,PR (P)	L,PR (P)	
DRF182	L,PR (R)	L (I)	L,PR (P)	L,PR (I)	
DRF275		L(P)	L,PR (P)	L,PR (P)	L,PR (I)
DRF279		PO			
DRF283		L(P)	L,PR (P)	L,PR (R)	L,PR (R)
DRF285	L (R)	L(P)	L (P)	L (R)	
DRF286	L,PR (R)	L(P)	L,PR (P)	L,PR (R)	
ELT250	L (R)	L(P)	L (P)	L (P)	
MET205		E,HW(P)	E,HW (P)	E (P)	
MET260		E,HW(P)	E,HW (P)	E (P)	
TEC110		L(P)	L (P)	L (P)	
TEC120		E,HW(P)	E,HW (P)	E (P)	

Assessment Key:

P=Paper E=Exam PO=Portfolio O=Oral Presentation L=Lab Assignment PR=Project I=Internship
HW=Homework (I)=Introduced (P)=Practiced (R)=Reinforced

STUDENT LEARNING OUTCOME RUBRIC

		Criterion			
Student Learning Outcomes	**Assessment Measure**	**Does Not Meet Standard** ***Grade: F***	**Approaches Standard** ***Grade range: D- to C-***	**Meets Standard** ***Grade range: C to A-***	**Exceeds Standard** ***Grade: A***
1. The ability to use AutoCAD to express ideas in a timely and efficient manner.	Level of coverage in all core courses.				
2. An understanding of industry standards.	Level of coverage in all core courses.				
3. The ability to use basic algebra and trigonometry to solve design problems.	Level of coverage in all core courses.				
4. The ability to use catalog and reference material to solve design problems.	Level of coverage in all core courses.				
5. Use Solid Modeling design software and peripherals to produce industry acceptable designs.	Level of coverage in all core courses.				