

H-Form ISE 472

Course Information:	
Code and Title:	ISE 472 Capstone Design Project (2)
Prerequisites:	ISE 471
Co requisite (if any)	
Credit Hours: 2	Lecture Hrs. (30), Tutorial Hrs. (15), Lab (0) Total Credits (45)
College/ Department:	College of Engineering/Industrial and Systems Engineering

Course Description:
<p>This course is continuation of capstone design project I; the senior students implement a production design project based on following tasks: selecting and finalizing appropriate design and/or experimental tools or mathematical/computer model; performing design/experiments or modeling/computation; performing analysis and evaluation of result; interpreting and drawing conclusions of results, recommendation and future work. The design may involve experimentation, realization and/or computer project. The project may be implemented using software, hardware, or a combination of both. Writing final and complete report; presenting and defending the project</p>

Course Objectives:
<p>This course is intended to teach the student to learn to develop the skill of working within design team on design project and develop a real-world engineering design system.</p>

Course Learning Outcomes		
		PLO
Knowledge Understanding		
1.1	Define project parameters and assumptions.	K4
Skills		
2.1	Prepare tradeoff studies to refine design and/or experiments.	S2
2.2	Apply design calculation and/or use of experimental tools	S2
2.3	Demonstrate ability to communicate and achieving the project design details orally and in writing.	S5
Values		
3.1	Support work teams providing leadership and creating a collaborative and inclusive environment while establishing goals to meet and planning tasks.	V1

Textbook:			
Title:	To be determined upon needs		
Author(s):			
Publisher:	-	Year and Edition:	
Other Useful Resources:			