ENGR 770 Course Outline as of Summer 2017

CATALOG INFORMATION

Dept and Nbr: ENGR 770 Title: SUPPLEMENTAL ENGINEERING
Full Title: Supplemental Instruction: Engineering and Applied Technology
Last Reviewed: 10/11/2021

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	0	Lecture Scheduled	0	17.5	Lecture Scheduled	0
Minimum	0	Lab Scheduled	0	2	Lab Scheduled	0
		Contact DHR	4.00		Contact DHR	70.00
		Contact Total	4.00		Contact Total	70.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 0.00 Total Student Learning Hours: 70.00

Title 5 Category:	Non-Credit
Grading:	Non-Credit Course
Repeatability:	27 - Exempt From Repeat Provisions
Also Listed As:	
Formerly:	

Catalog Description:
An open-entry, open-exit class for students who seek to expand upon their knowledge and skills in engineering related disciplines through technology projects, training, workshops, and presentations. Students will build on the skills developed in referring course(s) in the disciplines: Engineering, Electronics, Photovoltaic Technology, Civil Engineering Technology, Survey Technology, Geospatial Technology, Applied Technology, Water Treatment, Wastewater Treatment, Architecture, and Construction Management.

Prerequisites/Corequisites:

Recommended Preparation:

Limits on Enrollment:

Schedule of Classes Information:
Description: An open-entry, open-exit class for students who seek to expand upon their knowledge and skills in engineering related disciplines through technology projects, training, workshops, and presentations. Students will build on the skills developed in referring course(s)

in the disciplines: Engineering, Electronics, Photovoltaic Technology, Civil Engineering Technology, Survey Technology, Geospatial Technology, Applied Technology, Water Treatment, Wastewater Treatment, Architecture, and Construction Management. (Non-Credit Course)
Prerequisites/Corequisites:
Recommended:
Limits on Enrollment:
Transfer Credit:
Repeatability: Exempt From Repeat Provisions

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**	Effective:	Inactive:
CSU GE:	**Transfer Area**	Effective:	Inactive:
IGETC:	**Transfer Area**	Effective:	Inactive:

CSU Transfer:	Effective:	Inactive:
UC Transfer:	Effective:	Inactive:

CID:

Certificate/Major Applicable:
Not Certificate/Major Applicable

Approval and Dates

Version:	02	Course Created/Approved:	4/27/2015
Version Created:	3/8/2017	Course Last Modified:	6/4/2022
Submitter:	Abe Farkas	Course last full review:	10/11/2021
Version Status:	Approved (Changed Course)	Prereq Created/Approved:	10/11/2021
Version Status Date:	3/13/2017	Semester Last Taught:	Spring 2022
Version Term Effective:	Summer 2017	Term Inactive:	Fall 2022

COURSE CONTENT

Student Learning Outcomes:
At the conclusion of this course, the student should be able to:
1. Demonstrate increased skill and knowledge in engineering and applied technology courses for which the students sought assistance.

Objectives:
Upon completion of the course, students will be able to:
1. Effectively utilize computer software and the internet to research, analyze, and solve problems related to their engineering and applied technology coursework.
2. Use computer software to produce design solutions and generate reports and documents related to their engineering and applied technology coursework.
3. Utilize manufacturing tools and test equipment to implement designs related to their engineering and applied technology coursework.

Topics and Scope:

Topics may include:
1. Concepts and applications from the referring courses
2. Computer aided design and other software tools related to engineering and applied technology
3. Manufacturing tools related to the above disciplines
4. Test and measurement equipment related to the above disciplines

Assignment:

Student assignments will vary and may include, but are not limited to:

1. Supplemental work from instructors in engineering and applied technology courses.
2. Software or equipment tutorials.
3. Individual or group design projects.
4. Individual or group research projects.
5. Career related investigations and activities.

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None	Writing 0 - 0%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

None	Problem solving 0 - 0%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None	Skill Demonstrations 0 - 0%

Exams: All forms of formal testing, other than skill performance exams.

None	Exams 0 - 0%

Other: Includes any assessment tools that do not logically fit into the above categories.

Attendance and participation in activities. Improved skills and knowledge related to referring course.	Other Category 100 - 100%

Representative Textbooks and Materials:
Textbook and materials from the referring classes.

Instructor prepared materials.

OTHER REQUIRED ELEMENTS

STUDENT PREPARATION

Matric Assessment Required:		Unknown
Prerequisites-generate description:	NP	No Prerequisite
Advisories-generate description:	NA	No Advisory
Prereq-provisional:	N	NO
Prereq/coreq-registration check:	N	No Prerequisite Rules Exist
Requires instructor signature:	N	Instructor's Signature Not Required

BASIC INFORMATION, HOURS/UNITS & REPEATABILITY

Method of instruction:	04	Laboratory
Area department:	ENGR	Engineering and Applied Technology
Division:	73	Science, Technology, Engineering & Mathematics
Special topic course:	N	Not a Special Topic Course
Program status:	2	Not Certificate/Major Applicable
Repeatability:	27	Exempt From Repeat Provisions
Repeat group id:		

SCHEDULING

Audit allowed:	N	Not Auditable
Open entry/exit:	Y	Open Entry/Open Exit
Credit by exam:	N	Credit by examination not allowed
Budget code: Program:	0000	Unrestricted
Budget code: Activity:	0901	Engineering

OTHER CODES

Discipline:	Engineering OR Engineering Noncredit OR Engineering Support	
Basic skills:	N	Not a Basic Skills Course
Level below transfer:	Y	Not Applicable
CVU/CVC status:	N	Not Distance Ed
Distance Ed Approved:	N	
Emergency Distance Ed Approved:	N	None
Credit for Prior Learning:	N	Agency Exam
	N	CBE
	N	Industry Credentials
	N	Portfolio
Non-credit category:	I	Short-Term Vocational
Classification:	L	Not eligible for enhanced funding
SAM classification:	C	Clearly Occupational
TOP code:	0924.00	Engineering Technology, General
Work-based learning:	N	Does Not Include Work-Based Learning
DSPS course:	N	Not a DSPS Course
In-service:	N	Not an in-Service Course