

Course name: CENG403		Department: Computer Engineering						
Course Name : Special Topics in CENG I								
Semester	Methods of Education							Credit (ECTS)
	Practice	Recitation/ (Etud)	Lab	Project/ Field Study	Homework	Other	Total	
2021 – 2022 Fall	42	-	-	20	60	28	150	5
Language	English							
Compulsory/Elective	E							
Prerequisites	-							
Face to Face Lecture	0							
Online	3							
Course Contents	<p>Week 1 – Introduction to Software Engineering</p> <p>Week 2 – Software Industry Seminar (Software Development Lifecycle)</p> <p>Week 3 – Software Industry Seminar (Information Security Vs. Cybersecurity)</p> <p>Week 4 – Software Industry Seminar (Penetration Testing and Vulnerability-I)</p> <p>Week 5 – Software Industry Seminar (Penetration Testing and Vulnerability-II)</p> <p>Week 6 – Software Industry Seminar (Introduction to RTOS – GZIS)</p> <p>Week 7 – Software Industry Seminar (Introduction to Embedded Systems Software)</p> <p>Week 8 – Software Industry Seminar (Introduction to Electronic Warfare)</p> <p>Week 9 – Midterm</p> <p>Week 10 – Software Industry Seminar (Introduction to GPU Computing)</p> <p>Week 11 – Software Industry Seminar (Machine Learning in Defense Industry)</p> <p>Week 12 – Project Presentation</p> <p>Week 13 – Project Presentation</p> <p>Week 14 – Project Presentation</p> <p>Week 15 – Project Presentation</p>							
Course Objectives	<p>These courses focus on varied topics in computer science and technologies, presented as a result of technological change or community or student interest, that include a variety of computer-related skills or intensive study in a specific area of computer science and technologies. Topics are announced each semester in the class schedule. Course may be repeated for different topics.</p>							
Learning Outcomes and Competences	<p>Upon course completion, a student will be able to:</p> <ul style="list-style-type: none"> Assess the feasibility and applications of the specialized technologies. Recognize and explain the methods, techniques, and skills specific to the topics. Apply the specialized methods, techniques, and skills in software implications in computer and information systems. Ability to use modern engineering techniques, tools and information technologies and develop software equipment and software. 							
Textbook and /or References	-							
Assessment Criteria								%
	Midterm							30
	Quiz							30
	Final							40

Instructors			

