

Identification	Subject (code, title, credits)	ENGL 216 ESP Computer Engineering 3KU/ ECTS
	Program (undergraduate, graduate)	Undergraduate program
	Department	English Language and Literature
	Term	Fall, 2026
	Instructor, title	Nahida Guliyeva
	E-mail:	nahide.guliyeva5@gmail.com
	Phone:	
	Classroom/hours	6 hours
	Office hours	Monday-Saturday
Prerequisites	Foundations 2	
Language	English	
Compulsory/Elective	Compulsory	
Required textbooks and course materials	- Infotech English for computer users, Santiago Remacha Esteras, Cambridge [England]. Cambridge University Press, 2008. - Career Path “Computing” - Oxford English for Information technology, Eric H. Glendinning, John McEwan, Oxford University Press; 2nd Edition (October 26, 2006) - Technical English – Vocabulary and Grammar, Nick Brieger, Alison Pohl, Summertown Publishing - English for Information Technology, David Hill, Pearson Education ESL; 1st Edition (March 13, 2013) - Oxford English for Computing, Keith Boeckner, P. Charles Brown, Oxford University Press - Materials distributed by teacher	
Course description	This is an English course for students of computer science and engineering. It aims at helping students to develop a great variety of language skills and acquire knowledge of computers and technical terminology in the same field. It also seeks to improve their reading strategies, understanding of English clause structure and connectors encountered in academic types of reading, and the development of reading fluency. This course assumes the students have obtained a reasonable level of English in their previous studies. The course provides students with extensive, systematic and well-integrated practice in the productive and receptive skills necessary for successful communication in both oral and written forms of the language.	
Course outline	• Cyber security • Artificial intelligence • Information society • Bio-informatics • Programming languages • Operating systems • Database administration • Computer System Analysis • Computer Network Architects • Software development • Web development	

	Computer assisted education		
Course objectives	This course seeks to develop the following skills, abilities in students - Familiarizing students with technical terminology in the field of computer engineering - Increase awareness of the roles of computer engineering in other technological fields - Improve students' ability to use Web based sources of information to study in the field of computer engineering - Enhance students' practical skills in making and delivering presentations, - Provide students with adequate training in summarizing information and writing technical papers		
Learning outcomes	Upon successful completion of the course, the students should be able to: - Utilize the special terminology used in technical text books and major courses - Discuss latest developments in the field of computer engineering - Deliver group and individual presentations about technical issues with fluency. - Be able to discern technical writing including the definition, purpose and distinctive features of Technical Writing - Have a clear idea about the process composing a technical report - Successfully write a Technical report about subjects related to their field of study		
Teaching methods	Lecture		
	Group discussion		*
	Reading technical texts		*
	Videos		
	Writing tasks		*
	Online research & presentations		*
	Others		
Evaluation	Methods	Date/deadlines	Percentage (%)
	Midterm exam	November	30
	Extensive Reading	Till the Final Exam	10
	Quiz	Till the Final Exam	10
	Presentation	Till the Final Exam	5
	Attendance & Participation	During a term	10
	Final Exam		35
	Total		100
Policy	Assessment Poster Design- practical English learning process. In this activity a group of 3 to 5 students are selected and one topic is given to them to prepare a poster. The teamwork in preparation and designing poster about some specific topics is the main purpose of this stage. Extensive Reading- Short stories and staged simplified novels are selected and assigned to be read by the students. A continual observance of reading progress is recommended. Speaking Videos- Students record a video narration of the read short stories or any other subject of their own choice relevant to their disciplines, in their mobile phones for five minutes. The recorded works can be displayed in the classroom and accordingly evaluated on their fluency, content, creativity, vocabulary and structure. Writing Projects- Every student is given an opportunity to conduct independent investigation on a topic, preferably in their own field of study that interests her/him the most. Attendance (Lateness): Attendance is important. Absences can be detrimental to one's grade due to the number of class activities (presentations and class participation) and		

	complexity of the subject. For every three unexcused absences one (1) point will be deducted from the grade point average. More than 10 unexcused absences are excessive. Free participation is discouraged. Missed exams or assignments: Advance notification should be given if the student is unable to attend a scheduled presentation or test. Full class participation and completion of assigned homework are necessary. Academic Dishonesty: Any plagiarism while studying will be severely penalized, including the possibility of receiving a non-pass for the course. Reference should be given to the sources used in one’s work. However, any research paper consisting of references and citations only, without further analysis by the student, will not be acceptable either. Cheating during the tests will be penalized including the possibility of a zero mark on the test.		
	Generative AI Integration Generative AI is integrated into the course as a pedagogical and language-learning support tool. Students will use AI selectively to develop vocabulary, improve language skills, explore technical concepts, generate and evaluate ideas, and receive feedback. Activities will emphasize critical evaluation of AI-generated content, responsible use, and independent thinking. AI use will be encouraged, limited, or prohibited depending on the learning objectives and assessment requirements.		
Tentative Schedule			
Week	Date/Day (tentative)	Topics	Textbook/Assignments/Reading
1		Introduction to the Course Unit 2 – A Typical PC Course orientation, introducing computer systems, identifying hardware and software, explaining the functions of input, processing, output and storage, developing basic technical vocabulary.	Profeesional English Use ICT Handouts
2		Unit 3 – Types of Computer Systems Comparing desktops, laptops, workstations, servers, tablets and embedded systems; discussing advantages, disadvantages and applications of different computer systems.	Profeesional English Use ICT Handouts
3		Units 4–5 – Input Devices Identifying common input devices, explaining their functions, describing how users interact with computer systems, interpreting technical specifications.	Profeesional English Use ICT Handouts

4		Units 6–7 – Output Devices Comparing display technologies, printers and output devices; recommending suitable devices for different users; describing technical features.	Professional English Use ICT Handouts
5		Unit 8 – Processing Understanding the CPU, RAM, ROM and cache memory; explaining the processing cycle and the role of memory in computer performance.	Professional English Use ICT Handouts
6		Unit 9 – Disks and Drives	Professional English Use ICT Handouts

		Comparing HDDs, SSDs, flash memory, optical media and cloud storage; discussing storage capacity, speed and reliability.	
7		Unit 11 – Operating Systems and the GUI Exploring operating systems, graphical user interfaces, system software, application software and basic system utilities.	Professional English Use ICT Handouts
8		Midterm exam Comprehensive review of Weeks 1–7 followed by the midterm examination assessing vocabulary, reading, listening, writing and speaking.	Professional English Use ICT Handouts
9		Unit 17 – Programming Fundamentals Introducing programming languages, basic programming concepts and the software development process; describing simple algorithms and programming tasks.	Professional English Use ICT Handouts
10		Units 19–20 – ICT Systems & Networks Understanding ICT systems, network components, LANs, WANs, network topology and communication between devices.	Professional English Use ICT Handouts
11		Units 21 – 23 The Internet and the World Wide Web Exploring Internet services, web technologies, browsers, search engines and online communication; explaining how the Internet works.	Professional English Use ICT Handouts
12		Unit 26 – Internet Security Identifying cybersecurity threats, malware, phishing attacks, authentication methods and safe online practices; discussing digital security.	Professional English Use ICT Handouts

13		Units 30 & 32 – Artificial Intelligence and Future Trends Exploring AI, robotics, automation and emerging technologies; discussing future developments in computing and their impact on society.	Professional English Use ICT Handouts
14		Projects, presentations and evaluation Review session	
15		Final Exam	

