Course Description Form	
Course Code and Name	CENG357 FUNDAMENTALS OF ELECTRONIC COMMERCE (TECH. ELECT.)
Course Semester	5
Catalog Content	E-Commerce Applications, Models, Infrastructure
Textbook	E-commerce 2018 (14th Edition) by Kenneth Laudon, Carol Guercio Traver, 2018.
Supplementary Textbooks	Electronic Commerce 11th Edition by Gary Schneider, 2014. Electronic Commerce Principles and Practice, Hossein Bidgoli, 2002
Credit	6
Prerequisites of the Course **(** *Attendance Requirements***)**	There is no prerequisite or co-requisite for this course.
Type of the Course	Elective
Instruction Language	English
Course Objectives	It aims to teach the fundamentals of e-commerce.
Course Learning Outcomes	1 Students will be able to explain e-commerce principles. 2 Students will be able to develop e-commerce software and design.
Instruction Methods	The mode of delivery of this course is Face to face
Weekly Schedule	1.Week Electronic trade principles 2. Week Electronic trade Applications Models 3. Week Operational data movement systems 4. Week Security provisioning protocols 5. Week Secure applications 6. Week SIM and magnetic cards 7. Week Distributed control systems documentation 8. Week Inter-institutional transactions 9. Week E-commerce software design, development and management 10. Week E-commerce software design, development and management 11. Week Heterogeneous electronic commerce transactions 12. Week Heterogeneous electronic commerce transactions 13. Week Term Project presentations 14. Week Term Project presentations

Teaching and Learning Methods *(These are examples. Please fill which activities you use in the course)*	Weekly theoretical course hours: 3 Reading Activities Internet browsing, library work Designing and implementing materials Report preparing Preparing a Presentation Presentations Preparation of Midterm and Midterm Exam Final Exam and Preparation for Final Exam

Assessment Criteria

	Numbers	**Total Weighting (%)**
Midterm Exams	1	30
Assignment	2	10
Application		
Projects	1	20
Practice		
Quiz		
Percent of In-term Studies (%)		60
Percentage of Final Exam to Total Score (%)		40
Attendance		

Workload

Activity	Total Number of Weeks	Duration (weekly hour)	Total Period Work Load
Weekly Theoretical Course Hours	14	3	42
Weekly Tutorial Hours			
Reading Tasks	14	2	28
Studies	14	2	28
Material Design and Implementation	4	5	20
Report Preparing	1	3	3
Preparing a Presentation	1	3	3
Presentations	1	1	1
Midterm Exam and Preparation for Midterm Exam	1	10	10
Final Exam and Preparation for Final Exam	1	15	15
Other (should be emphasized)			
Total Workload			150
Total Workload / 25			6
Course Credit (ECTS)			6

Contribution Level Between Course Learning Outcomes and Program Outcomes

No	Program Outcomes	1	2	3	4	5
1	Sufficient knowledge on mathematics, science and computer engineering; ability to apply theoretical and practical knowledge in these areas to model and solve engineering problems					X
2	Ability to identify, define, formulate and solve complex engineering problems; ability to choose and apply appropriate analysis and modelling methods for these purposes				X	
3	Ability to design a complex system, process, device, software, algorithm, or product under realistic constraints and circumstances to meet certain requirements; ability to apply modern design techniques for this purpose					X
4	Ability to choose, develop and use modern techniques and tools necessary for engineering applications; ability to effectively use computing technologies			X		
5	Ability to design and implement systems or experiments to solve engineering problems, collect and interpret data to evaluate and analyze the results of solutions					X
6	Ability to work effectively in intradisciplinary and interdisciplinary teams or individually				X	
7	Ability to efficiently prepare, evaluate and interpret reports					X
8	Ability to make presentations and conduct effective verbal and written communication in Turkish and English				X	
9	Awareness of the necessity of lifelong learning; ability to access information, follow scientific and technological developments; ability to perpetually renew oneself				X	
10	Awareness of professional and ethical responsibility, ability to act in accordance with ethical principles					X

	11	Ability to apply knowledge on project management, risk management and change management					X
	12	Awareness of entrepreneurship and innovation, ability to design and build sustainable systems					X
	13	Ability to devise local and global solutions to contemporary issues considering the effects of engineering applications on health, environment and security			X		
	14	Awareness of the legal consequences of engineering solutions			X		
	15	Ability to apply knowledge on software development process and documentation rules			X		
	16	Knowledge on standards used in engineering applications			X		
	17	Awareness of occupational health and security, information security and privacy			X		
The Course's Lecturer(s) and Contact Information	Computer Engineering Department Chair bmbb@gazi.edu.tr						