Course Description Form	
Course Code and Name	BM359 INTERNET PROGRAMMING (TECH.ELECT.)
Course Semester	5
Catalog Content	Programming languages used on the Internet, Internet programming, client server architecture, Web server setup, programming language settings, session management and cookies, web forms.
Textbook	P. J. Deitel, H. M. Deitel , "Internet & World Wide Web How To Program", 5th edition, 2011.
Supplementary Textbooks	HTML and CSS: Design and Build Websites 1st Edition by Jon Duckett, 2011. JavaScript and JQuery: Interactive Front-End Web Development 1st Edition by Jon Duckett, 2014.
Credit	6
Prerequisites of the Course **(** *Attendance Requirements***)**	There is no prerequisite or co-requisite for this course.
Type of the Course	Technical Elective
Instruction Language	Turkish
Course Objectives	server and environment variables and usage, cookie concept and usage areas in internet programming, sending HTTP requests and replies over the internet, connecting to the database via the internet and performing transactions, listing, sorting, changing data in the database and developing a dynamic internet application for education.
Course Learning Outcomes	1. Designing and developing web applications. 2. Designing rich-internet applications.
Instruction Methods	The mode of delivery of this course is Face to face
Weekly Schedule	1. Introduction to Web programming 2. Server client architecture 3. Web server 4. Web programming environments 5. ASP 6. Variables, arrays 7. Decision-making structures, loops 8. Functions 9. Server variables 10. Session and cookies 11. Web forms 12. Database application 13. Database application 14. ASP.NET

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 Preparing a Presentation Presentations Preparation for Midterm and Midterm Exam Final Exam and Preparation for Final Exam

Assessment Criteria

	Numbers	**Total Weighting (%)**
Midterm Exams	1	40
Assignment		
Application	1	20
Projects		
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			0
Reading Tasks	14	2	28
Studies	14	2	28
Material Design and Implementation	14	1	14
Report Preparing			0
Preparing a Presentation	1	10	10
Presentations	1	1	1
Midterm Exam and Preparation for Midterm Exam	1	14	14
Final Exam and Preparation for Final Exam	1	14	14
Other (should be emphasized)			0
Total Workload			151
Total Workload / 25			6,04
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	Lecturer Dr. Oktay YILDIZ oyildiz@gazi.edu.tr						