Course Description Form	
Course Code and Name	CENG367 SCRIPTING LANGUAGES (TECH.ELECT.)
Course Semester	5
Catalog Content	Providing dynamic content on web pages and communicating with the user
Textbook	HTML and CSS: Design and Build Websites, 1st Edition by Jon Duckett (Author), John Wiley & Sons, 2011
Supplementary Textbooks	PHP: Basic Fundamental Guide for Beginners (Volume 1) Paperback, CreateSpace Independent Publishing Platform, 2018 Learning Perl, R.L. Schwartz, T. Phoenix, B. Foy, 4th edition, O'Reilly Media, 2005
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	Teaching web structure to students and to gain ability to produce web solutions by using internet programming techniques
Course Learning Outcomes	1. Identify Internet Programming environments 2. Know HTML and versions and create a simple page with HTML 3. Recognize the Javascript scripting language and make simple applications 4. Install web servers on different operating systems 5. Perform XML, Web service applications
Instruction Methods	The mode of delivery of this course is Face to face.
Weekly Schedule	1. Development of scripting languages, types, properties and application areas 2. Web Programming 3. CGI Programming 4. Data abstraction 5. Object-oriented approach 6. User interface design and development 7. User interface design and development 8. HTML 9. XML 10. Java Script 11. PERL 12. Python 13. TCL/TK 14. Applied Term Project

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 Preparation of Midterm and Midterm Exam Final Exam and Preparation for Final Exam			

		Numbers	**Total Weighting (%)**	
Assessment Criteria	Midterm Exams	1	30	
	Assignment	5	30	
	Application	0	0	
	Projects	0	0	
	Practice	0	0	
	Quiz	0	0	
	Percent of In-term Studies (%)	0	60	
	Percentage of Final Exam to Total Score (%)	0	40	
	Attendance	-	-	

	Activity	**Total Number of Weeks**	**Duration (weekly hour)**	**Total Period Work Load**
Workload	Weekly Theoretical Course	14	3	42
	Weekly Tutorial Hours	0	0	0
	Reading Tasks	8	4	32
	Studies	9	4	36
	Material Design and	12	1	12
	Report Preparing	0	0	0
	Preparing a Presentation	0	0	0
	Presentations	0	0	0
	Midterm Exam and Preparation	1	13	10
	Final Exam and Preparation for Final Exam	1	15	15
	Other (should be emphasized)	0	0	0
	Total Workload			150
	Total Workload / 25			6
	Course Credit (ECTS)			6

	No	Program Outcomes	1	2	3	4	5
Contribution Level Between Course Learning Outcomes and Program Outcomes	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		

#	Outcome	1	2	3	4	5
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					
11	Ability to apply knowledge on project management, risk management and change management					
12	Awareness of entrepreneurship and innovation, ability to design and build sustainable systems					
13	Ability to devise local and global solutions to contemporary issues considering the effects of engineering applications on health, environment and					
14	Awareness of the legal consequences of engineering solutions					
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					

The Course's Lecturer(s) and Contact Information	Asst. Prof. Dr. Uraz Yavanoğlu uraz@gazi.edu.tr