Course title	Code	semester	T+U	credit	ECTS
Web Services		5	3+0	3	4

Prerequisite Courses	None
Language of the Course	English
Course Level	Undergraduate
Type of Course	Optional
Course Coordinator	
Instructors	
Course Assistants	
The aim of lesson	It aims to learn basic information about web services and use it in web applications.
Course Content	REST - Restful Services, data services, Service Component Architecture (SCA), handling of non-source APIs.
Course Learning Outcomes	Students who successfully complete this course; one. Ability to use Web Services. 2. REST - Learning RESTful services functionality. 3. Ability to use NHibernate with. 4. Ability to secure a REST service using standards-based authentication and authorization and JSON Web tokens.

Weeks	Topics
one	Implementation standards and strategies for web services
2	Web Services
3	SOAP
4	WSDL
5	REST - Relaxing Services
6	Data Services
7	Data Services
8	Web Service Composition
9	Web Service Composition: Control Flows
10	Service Component Architecture (SCA)
11th	Service Component Architecture (SCA)
12	JSON, CORS, CSRF
13	Using NHibernate with ASP.NET Web API
14	Using NHibernate with ASP.NET Web API
15	Project

General Competencies

Will have the necessary knowledge of application standards and strategies for web services.

resources

Jamie Kurtz ASP.NET Web API 2: Building a REST Service from Start to Finish ", Apress, 2015, ISBN: 1484201108.

Evaluation System

The dates, days and hours of the Midterm Exam, Quiz, Final Exam and Evaluations will be announced later, according to the decision of the Faculty Administrative Board.

	WITH PROGRAM LEARNING OUTCOMES COURSE LEARNING OUTCOMES RELATIONSHIP TABLE										
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**
LO1	5	5	5	5	4	4	4	5	5	4	4
LO2	5	4	4	4	4	3	3	3	5	4	5
LO3	5	5	5	4	4	3	3	3	3	3	3
LO4	5	5	5	3	5	3	3	5	3	4	5
LO: Learning Outcomes OP: Program Outcomes											
Contribution Level	**1 Very Low**		**2 Low**		**3 Medium**		**4 High**		**5 Very High**		

Relation of Program Outcomes and Related Course

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**
Introduction to Software Engineering	5	5	5	4	4	3	3	4	4	4	4