

TOROS ÜNİVERSİTESİ

Faculty Of Engineering
Electrical And Electronics Engineering (English)

Course Information

JAVA PROGRAMMING LANGUAGE					
Code	Semester	Theoretical	Practice	National Credit	ECTS Credit
		Hour / Week			
CSE320	Spring	3	0	2	3

Prerequisites and co-requisites	
Language of instruction	English
Type	Elective
Level of Course	Bachelor's
Lecturer	
Mode of Delivery	Face to Face
Suggested Subject	
Professional practise (internship)	None
Objectives of the Course	This course introduces computer programming using the JAVA programming language with object-oriented programming principles.
Contents of the Course	Students will understand object-oriented programming with Java and learn how to write increasingly sophisticated Java programs including the use of database interfaces, Java class library routines and error and exception checking. This is an indispensable class for anyone who wants to get started fast in Java programming.

Learning Outcomes of Course

#	Learning Outcomes
1	Write, compile and execute Java programs
2	Building robust applications using Java's object-oriented features
3	Developing platform-independent GUIs
4	Retrieving data from a relational database with JDBC

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Introduction to Java Programming	Lecture
2	Getting Started with Java	Lecture
3	NetBeans	Lecture
4	Language Fundamentals	Lecture
5	Objects and Classes	Lecture
6	Using Java Objects	Lecture
7	Midterm	
8	Inheritance in Java	Lecture
9	Packages	Lecture
10	Exception Handling	Lecture
11	Input/Output Streams	Lecture

12	Core Collection Classes	Lecture
13	Java Graphical User Interfaces	Lecture
14	Java Graphical User Interfaces and JDeveloper	Lecture
15	Adding Components with JDeveloper	Lecture
16	Final Exam	

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	Core Java 2 Volume 1 by Cay Horstmann, Gary Cornell		

Method of Assessment

#	Weight	Work Type	Work Title
1	40%	Mid-Term Exam	Mid-Term Exam
2	60%	Final Exam	Final Exam

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	Write, compile and execute Java programs	13	1,2
2	Building robust applications using Java's object-oriented features	15	1,2
3	Developing platform-independent GUIs	14	1,2
4	Retrieving data from a relational database with JDBC	12	1,2

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	4	56
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	1	14
3	Presentation and Seminar Preparation	0	0	0
4	Web Research, Library and Archival Work	0	0	0
5	Document/Information Listing	0	0	0
6	Workshop	0	0	0
7	Preparation for Midterm Exam	1	8	8
8	Midterm Exam	1	1	1
9	Quiz	0	0	0
10	Homework	0	0	0
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0
13	Final Project	0	0	0
14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	10	10
16	Final Exam	1	1	1
				90