

## COURSE DETAIL

### OBJECT-ORIENTED PROGRAMMING IN JAVA

**Country**

Germany

**Host Institution**

Technical University Berlin

**Program(s)**

Technical University Berlin

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

140

**UCEAP Course Suffix****UCEAP Official Title**

OBJECT-ORIENTED PROGRAMMING IN JAVA

**UCEAP Transcript Title**

OBJ-ORNTD PRGM JAVA

**UCEAP Quarter Units**

5.50

**UCEAP Semester Units**

3.70

## Course Description

This course introduces students to modern programming techniques using the Java programming language as an example. The use of object-oriented concepts enables students to quickly work on complex tasks independently. In the practical exercises, students also learn how to use a development environment and a version management system (git) while programming. The programming language used is Java. -Java basics: \* Data types, variables, operators, static methods / functions - Object orientation: \* Classes and objects \* Polymorphism with interfaces \* Generics \* Implementation inheritance - Java Collections - Error handling - Input / Output - GUI if necessary.

### Language(s) of Instruction

German

### Host Institution Course Number

50139

### Host Institution Course Title

OBJECT-ORIENTED PROGRAMMING IN JAVA

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Institut für Land- und Seeverkehr

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