

# COURSE DETAIL

## INTRODUCTION TO PROGRAMMING

**Country**

Netherlands

**Host Institution**

Maastricht University - University College Maastricht

**Program(s)**

University College Maastricht

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Computer Science

**UCEAP Course Number**

10

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

INTRODUCTION TO PROGRAMMING

**UCEAP Transcript Title**

INTRO PROGRAMMING

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course is an intensive introduction to programming in Java that assumes no prior programming experience. It explores all aspects of modern programming by means of lectures and hands-on practical lab sessions. The course starts with the basics of computer science and computer programming. After a short introduction to computer organization, the principles of structured programming in Java are presented. The main topics covered are data types and variables, methods, conditional statements, loops, and recursion. Finally, the course introduces the object-oriented features of Java and their usage for program design. All these concepts have to be understood both from their theoretical perspective and their practical applications.

### Language(s) of Instruction

English

### Host Institution Course Number

SCI2011

### Host Institution Course Title

INTRODUCTION TO PROGRAMMING

### Host Institution Campus

Maastricht University

### Host Institution Faculty

University College Maastricht

### Host Institution Degree

### Host Institution Department

Sciences

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