

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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