# **COURSE DETAIL**

### MATHEMATICAL LOGIC

**Country** Norway

Host Institution University of Oslo

**Program(s)** University of Oslo

UCEAP Course Level Upper Division

UCEAP Subject Area(s) Mathematics

**UCEAP Course Number** 104

**UCEAP Course Suffix** 

UCEAP Official Title MATHEMATICAL LOGIC

**UCEAP Transcript Title** MATHEMATICAL LOGIC

UCEAP Quarter Units 8.00

**UCEAP Semester Units** 5.30

#### **Course Description**

The content of this course contains first order logic up to proofs of the completeness and incompleteness theorems. Students become familiar with the syntax and semantics of first-order logic, completeness theorem of first-order logic, compactness theorem and basic model theory, and Gödel's first incompleteness theorem.

# Language(s) of Instruction

English

#### Host Institution Course Number MAT-INF3600

# Host Institution Course Title

MATHEMATICAL LOGIC

### **Host Institution Campus**

Mathematics and Natural Sciences

**Host Institution Faculty** 

**Host Institution Degree** 

## **Host Institution Department**

Mathematics

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