

COURSE DETAIL

TOPOLOGY III

Country

Germany

Host Institution

Free University of Berlin

Program(s)

Technical University Berlin,Free University Berlin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mathematics Computer Science

UCEAP Course Number

149

UCEAP Course Suffix

C

UCEAP Official Title

TOPOLOGY III

UCEAP Transcript Title

TOPOLOGY III

UCEAP Quarter Units

5.50

UCEAP Semester Units

3.70

Course Description

The course covers a selection from the following topics: homotopy sets, homotopy groups and the Hurewicz theorem, fibrations and cofibrations, generalized homology theories and spectra, bundles and classifying spaces, characteristic classes, low-dimensional topology, geometric group theory, spectral sequences and cohomology operations. The methods presented are illustrated by applications to various classical problems in algebraic topology.

Language(s) of Instruction

English

Host Institution Course Number

19215101,19215102

Host Institution Course Title

TOPOLOGIE III

Host Institution Course Details

<https://www.fu-berlin.de/vv/en/lv/1074389?query=topologie%20II&sm=965826&id=107...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Institut für Mathematik

Course Last Reviewed

2025-2026

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