

COURSE DETAIL

ADVANCED ANALYTICAL CHEMISTRY: CHROMATOGRAPHY AND MASS SPECTROMETRY

Country

Denmark

Host Institution

University of Copenhagen

Program(s)

University of Copenhagen

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Chemistry

UCEAP Course Number

136

UCEAP Course Suffix**UCEAP Official Title**

ADVANCED ANALYTICAL CHEMISTRY: CHROMATOGRAPHY AND MASS SPECTROMETRY

UCEAP Transcript Title

CHROMATOGR&SPECTROM

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

The course covers chromatographic separation of small molecule organic compounds with special emphasize on the molecular mechanism and theory of analyte-column interactions for gas, supercritical fluid and liquid chromatography, and the theory of ionization, fragmentation, mass-to-charge separation, ion detection and data interpretation for all common mass spectrometers and ionization techniques.

Language(s) of Instruction

English

Host Institution Course Number

NPLK13004U

Host Institution Course Title

ADVANCED ANALYTICAL CHEMISTRY - CHROMATOGRAPHY AND MASS SPECTROMETRY

Host Institution Campus**Host Institution Faculty**

Faculty of Science

Host Institution Degree**Host Institution Department**

Department of Plant and Environmental Sciences

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