

# 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 Course Details**

<https://kurser.ku.dk/course/nplk13004u/2021-2022>

**Host Institution Campus****Host Institution Faculty**

Faculty of Science

**Host Institution Degree****Host Institution Department**

Department of Plant and Environmental Sciences

**Course Last Reviewed**

2021-2022

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