Course: Statistics for Analytical Chemistry — credits: 5

Course code	CHVP23STATISTIEK
Name	Statistics for Analytical Chemistry
Study year	2026-2027
ECTS credits	5
Language	Dutch, with parts in English
Coordinator	J. Geertsema

Modes of delivery	Lecture Practical / Training Project-based learning
Assessments	Practicum - Other assessment Statistiek voor Analytische Chemie Theorie - Written, organised by STAD examinations

Learning outcomes

This module has the following learning outcomes:

- You apply statistical tests and/or terms to given experiments.
- You apply different statistical tests during a written test and/or practical problem, for example a ring test.
- You solve a chromatographic (HPLC, GC) problem with the help of theoretical knowledge and practical skills.
- You recognize a quality system and apply the acquired theoretical knowledge about it to a practical problem (HPLC, GC).
- You apply the acquired theoretical knowledge about chromatography and statistics in an independent, safe and responsible way while performing a simple experiment, and communicate about this with a logbook and/or measurement report according to the given guidelines.
- You write a report on one of the practical experiments according to the given guidelines. (= PS)

DAS competencies

Competency	Level (I-IV)
Research	I
Experimentation	I
Development	
Management	
Advise	
Instruction	
Leadership	
Self-management	I

Content

This module focuses on statistics and analytical chemistry. Students apply learned statistics during a practical through HPLC, GC and a ring test. For language learning, a report is written and assessed. Theory is taught through instructional lectures.

It is highly desirable that the Chromatography and Spectrometry module has been taken.

Included in programme(s)

Chemistry

School(s)

Engineering, Life Sciences & ICT

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