| Module title | | | Abbreviation |
|---|---|---|---|
| **Chemometrics** | | | 08-LMC-Ch-212-m01 |
| **Module coordinator** | | **Module offered by** | |
| holder of the Chair of Food Chemistry | | Institute of Pharmacy and Food Chemistry | |
| **ECTS** | **Method of grading** | **Only after succ. compl. of module(s)** | |
| 3 | (not) successfully completed | -- | |
| **Duration** | **Module level** | **Other prerequisites** | |
| 1 semester | undergraduate | -- | |

**Contents**

Principles of collection of data and data processing, criteria for measurements, arrangement and organization of data, measures for data characterization, key figures (measures of location scales, dispersion measures), presentation of univariate sampling, characterization and presentation of associations, measures of associations, basics of probability theory and simple probability models, chemometric applications

**Intended learning outcomes**

The students master the basic principles of scientifically reasonable planning, implementation, evaluation and interpretation of chemical analysis with systematic aid of mathematical methods.

**Courses** (type, number of weekly contact hours, language — if other than German)

S (2)

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

written exercises (approx. 10 pages)
Assessment offered: Once a year, winter term

**Allocation of places**

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**Additional information**

Pursuant to Section 2 Subsection 2 Sentence 2 Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker (Regulation on the training and examination of state-certified food chemists, APOLmCh) in conjunction with No. II 2. Letter a) of Annex 1 of APOLmCh and No. 1 of Annex 3 of APOLmCh.

**Workload**

90 h

**Teaching cycle**

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**Referred to in LPO I** (examination regulations for teaching-degree programmes)

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**Module appears in**

Bachelor's degree (1 major) Food Chemistry (2021)
Bachelor's degree (1 major) Food Chemistry (2025)