Module title	Abbreviation
Modern Analytical Methods (lecture and laboratory course)	08-MAM-091-m01

Module coordinator	Module offered by
Dean of Studies Funktionswerkstoffe (Functional Materials)	Chair of Chemical Technology of Material Synthesis

ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--

Duration	Module level	Other prerequisites
1 semester	undergraduate	--

Contents

Analytical principles, gravimetric methods, titration, chromatography, spectroscopic methods (UV-VIS, IR, Raman, emission, fluorescence, NMR etc.), surface analysis, structure analysis.

Intended learning outcomes

Students have developed modern analytics expertise.

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

This module comprises 2 module components. Information on courses will be listed separately for each module component.

- 08-MAM-1-091: V (no information on SWS (weekly contact hours) and course language available)
- 08-MAM-2-091: P (no information on SWS (weekly contact hours) and course language available)

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

Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.

Assessment in module component 08-MAM-1-091: Modern Analytics

- 3 ECTS, Method of grading: numerical grade
- written examination (60 minutes)

Assessment in module component 08-MAM-2-091: Modern Analytics (practical course)

- 2 ECTS, Method of grading: (not) successfully completed
- Vortestate (pre-experiment exams, approx. 15 minutes each), logs (approx. 5 pages each), Nachtestate (post-experiment exams, approx. 15 minutes)

Allocation of places

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Additional information

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Workload

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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) Technology of Functional Materials (2009)
Bachelor's degree (1 major) Technology of Functional Materials (2010)