# Module description

## Module title
Material Sciences 1 (Principles)

## Abbreviation
08-FS1-141-m01

## Module coordinator
Dean of Studies Funktionswerkstoffe (Functional Materials)

## Module offered by
Chair of Chemical Technology of Material Synthesis

## ECTS
5

## Method of grading
numerical grade

## Duration
1 semester

## Module level
undergraduate

## Other prerequisites
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## Contents
This module discusses the fundamental relations between chemical bonding, the structure, the microstructure and the properties of materials.

## Intended learning outcomes
Students have become familiar with the fundamental relations between chemical bonding, the structure, the microstructure and the properties of materials. They have developed the ability to apply them to research problems.

## Courses
(V + Ü (no information on SWS (weekly contact hours) and course language available)

## Method of assessment
a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course.

Language of assessment: German, English

## Allocation of places
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## Additional information
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## Referred to in LPO I
(examination regulations for teaching-degree programmes)

## Module appears in
Master's degree (1 major) Chemistry (2014)