Module description

**Module title**
Organic Chemistry 1

**Abbreviation**
08-OC1-141-m01

**Module coordinator**
holder of the Professorship of Organic Chemistry

**Module offered by**
Institute of Organic Chemistry

**ECTS**
5

**Method of grading**
Numerical grade

**Only after succ. compl. of module(s)**
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**Duration**
1 semester

**Module level**
Undergraduate

**Other prerequisites**
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**Contents**
This module provides students with an overview of the fundamental principles of organic chemistry. It examines the bonding situation of carbon and introduces students to the nomenclature of simple and moderately complex organic compounds. The module also discusses the fundamental principles of stereochemistry, substitution, addition and elimination reactions as well as synthesis planning.

**Intended learning outcomes**
Students know important categories of substances in organic chemistry. They are able to use different systems of nomenclature to determine simple substance names. Students are able to analyse the stereochemistry of molecules. They are able to describe and formulate some of the most important reactions in organic chemistry. For that purpose, they can analyse and categorise the characteristic reaction conditions and can use them for simple syntheses.

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

**Method of assessment**
Written examination (approx. 90 to 180 minutes) or oral examination of one candidate each (approx. 20 to 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes)

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**
Bachelor’ degree (1 major) Mathematics (2014)
Bachelor’ degree (1 major) Computational Mathematics (2014)