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**Modulbezeichnung:** Elective module (CE) 15 ECTS  
 (Elective module)

Modulverantwortliche/r: Students' Dean, or respective module coordinator

Lehrende: N.N

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Startsemester: WS 2015/2016	Dauer: 2 Semester	Turnus: halbjährlich (WS+SS)
Präsenzzeit: 210 Std.	Eigenstudium: 240 Std.	Sprache:

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**Lehrveranstaltungen:**

Module of the student's choice and approval by the representative of the study course or the students' dean. The chair offering the module and the courses has to appoint a responsible person, who will be one of the two examiners and ascertains the handling of the module of approximately 15 semester hours. Please note: 2/3 of the courses of the elective module must be topically related to the study program, 5 ECTS from soft skills or key qualifications will be accepted

(Another Mandatory elective module from M.Sc. Molecular Science or M.Sc. Chemistry may be chosen, however, there must be no overlap with courses from the Mandatory module or Mandatory elective module!)

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**Empfohlene Voraussetzungen:**

Admission to the M. Sc. program Molecular Science or Chemistry

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**Inhalt:**

**Recommended choices (based on mandatory elective modules):**

For **Molecular Life Science**: (5 L, 7 Lab, 3 S) or (8 L, 0 Lab, 1 S\*)

- Molecular biology or
- Medicinal chemistry A or
- Medicinal Chemistry B
- Molecular synthesis
- Bioinorganic chemistry (from M.Sc. Chemistry)

For **Molecular Nanoscience**: (5 L, 7 Lab, 3 S) or (8 L, 0 Lab, 1 S\*)

- Molecular synthesis
- Theory
- Physical chemistry (or parts of the respective modules)

(\* = Elective module without a LAB Course)

**Recommended choices (based on mandatory elective modules):**

For **Molecular Life Science**: (5 L, 7 Lab, 3 S) or (8 L, 0 Lab, 1 S\*)

- Molecular Biology or
- Medicinal Chemistry (Option A) or
- Medicinal Chemistry (Option B)
- Molecular Synthesis
- Bioinorganic Chemistry (from M.Sc. Chemistry)

For **Molecular Nanoscience**: (5 L, 7 Lab, 3 S) or (8 L, 0 Lab, 1 S\*)

- Molecular Synthesis
- Theory
- Physical Chemistry
- or parts of the respective modules

\* = Elective module without a LAB Course

**Lernziele und Kompetenzen:**

The students

- extend their knowledge in special research focused topic
- gain Soft skills.

übernommen aus Prüfungsordnungsmodul *Wahlmodul Molecular Science*

The students gain:

- extension of the knowledge in special research focused topic
- soft skills

**Literatur:**

Depending on chosen modules/lectures (contact lecturer or lecturers web site or UnivIS)

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**Verwendbarkeit des Moduls / Einpassung in den Musterstudienplan:**

Das Modul ist im Kontext der folgenden Studienfächer/Vertiefungsrichtungen verwendbar:

[1] **Molecular Science (Master of Science): 1-3. Semester**

(Po-Vers. 2013 | Wahlmodul Molecular Science)

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**Organisatorisches:**

**Frequency of offer:** Annually (for details, see description of the Mandatory elective modules)

**Workload:** 450 hours (including 240 hours private study)

**Bemerkungen:**

**Intended stage in the degree course:** Elective module (Wahlmodul), semester 1 - 3

**Courses of study for which the module is acceptable:** M.Sc. Molecular Lifescience/M.Sc. Molecular Nanoscience

**Frequency of offer:** Annually (for details, see description of the Mandatory elective modules)