Master’s Thesis (iMOS)

<table>
<thead>
<tr>
<th>Module</th>
<th>Credits</th>
<th>Workload</th>
<th>Term</th>
<th>Frequency</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 RC</td>
<td>30 CP</td>
<td>900 h</td>
<td>4. Semester</td>
<td>Each SuS</td>
<td>5 to 6 months full-time</td>
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**Courses**

- Master Thesis (iMOS) practical work

<table>
<thead>
<tr>
<th>Contact hours</th>
<th>Self-Study</th>
<th>Group size</th>
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<tr>
<td>Full-time 700 h</td>
<td>200 h</td>
<td>individual</td>
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**Prerequisites**

Proof of 14 credit points for Module 14 (International Course) and of 15 credit points in Module 15 (Focal Point Practical)

**Learning outcomes**

After successful completion of the module/course, students will be able to:

- Acquire ability to plan, organize, develop, operate, and present complex problems in Molecular Sciences: Spectroscopy and Simulation (iMOS)
- Work independently in an iMOS subject under the supervision of an advisor
- Deal with subject-specific problems and to present them in an appropriate and comprehensible manner and according to scientific standards
- Acquire profound specialized knowledge, which is required to take the step from their studies to professional life
- Obtain detailed knowledge of experimental and computational methods
- Develop interdisciplinary teamwork and collaboration while carrying out projects
- Utilize digital techniques for graphical presentation of complex topics

**Content**

The master thesis can be theoretically and/or practically oriented. Its topic is determined by the respective supervisor.

**Teaching methods**

Active supervision: regular progress meetings, supervised presentation of project and results

**Mode of assessment**

Required is a written report (typically 50-100 pages) describing the project and its results in detail

**Requirement for the award of credit points**

Passing of the master thesis (grade “adequate”, 4,0 or better)

**Module applicability**

M.Sc. iMOS

**Weight of the mark for the final score**

According to CPs

**Module coordinator and lecturer(s)**

M. Havenith-Newen

Faculty of the M.Sc. iMOS

**Further information**