

## Information and assessment criteria for

### Research traineeship in Materials Chemistry, Physical Chemistry, Inorganic Chemistry, Analytical Chemistry I or II (KZ5009 and KZ5010)

### Advanced research traineeship Materials Chemistry, Physical Chemistry, Inorganic Chemistry, Analytical Chemistry I or II (KZ7011 and KZ8030)

#### OVERVIEW

All research traineeships give 7.5 credits. Being enrolled on a 7.5 credit research traineeship implies full time work (40 h / week) for 4.5 weeks.

The traineeship is assessed in the following ways:

- by a laboratory notebook
- by an oral presentation of the project
- by a short report (only KZ7011 and KZ8030).

The grades are either *pass* or *fail* and are decided by the supervising teaching staff member.

A student who is enrolled in several traineeships has to give only one presentation at the end of the traineeship. The presentation should be 20 min for a 7.5 credits traineeship, 30 min for two 7.5 credits traineeships and 40 min for more than two traineeships.

#### ASSESSMENT CRITERIA

##### Criteria for the laboratory notebook

- The student documents the work in a laboratory notebook such that it can be repeated by others
- The text is written in English and entirely in the student's own words without plagiarism
- The text is clear and spelling, grammar, and formalities are largely correct
- For each experiment/computation the notebook states
  - the date of the experiment/computation
  - the aim of the experiment/computation
  - relevant preparations
  - experimental or computational details
  - results
  - conclusions

##### Criteria for passing the oral presentation

For pass, all of the following criteria have to be fulfilled:

##### Content

- An introduction into the scientific background of project is given, which is largely correct
- An introduction into the method used is given, which is largely correct
- The scientific terminology is largely correct
- Relevant results are presented and correct conclusions drawn from the obtained results
- The results are discussed in the context of previous research
- The student answers correctly to relevant questions **Formalities**
- The oral presentation has the required duration (20/30/40 min for 7.5/15/>15 credits traineeships)

- The presentation is clear and structured
- The English is largely correct
- Reference is given for all images that are not produced by the student

### **Criteria for the report (only KZ7011 and KZ8030)**

- The length of the report is 1-2 pages
- The report contains a description of
  - the generic competences trained during the traineeship
  - the methods applied and the kind of results that these methods may provide
  - personal strengths and areas for further personal development that the student identified during the traineeship
- The text is clear and structured
- The English is largely correct