
DIDACTICS of CHEMISTRY

Characteristics of the Studies

The doctoral studies are conceived as a preparatory programme for scholars and researchers whose creative endeavours contribute to the development of theory and research in the field of didactics of chemistry. The programme aims preferably to enhance their relevant expertise, to disseminate relevant research findings and trends in the field of education and to cultivate methodological competences of doctoral students.

General focus of the study programme offers students the chance to get acquainted more deeply with the pedagogical disciplines. The focal point of the doctoral study is a doctoral dissertation/thesis, defined as an original scholarly work whose findings enrich the respective field of study within the broader context of developing the discipline.

Individual Study Plan (ISP)

Ph.D. student in the cooperation with his/her supervisor draws up the ISP where the student plans and specifies study obligations. The main accent will be put on the controlled self-study and on the individual scientific-research activities. The ISP, approved by the Doctoral (Subject Area) Board, includes: compulsory subjects, study obligations, other obligations and recommended activities. It has to include the planned terms of exams and the time line of the work on the dissertation.

Obligations for student:

- the ISP has to be submitted no later than two months after the start of study
- the Report on fulfilling of the study plan has to be submitted after the end of each academic year, no later than the end of September

Compulsory subjects finished by examination:

- 1 subject of Methodology
- 3 subjects from the proposition of the field of study of Chemistry Education, Didactics of chemistry or chemistry related sciences

Study obligations with the output: confirmation of the fulfilment of the study obligation:

- The work on the extended annotation of the dissertation and its submission at the end of the first year of study
- The offer of subjects and seminars relevant for particular categories

Other obligations which the student has to satisfy during the studies:

- Conference activities - at least three participations; the active participation at 1 conference in the residential country – the programme and the abstract of the paper in English have to be submitted; and the active participation at 2 international scientific conferences with English as the official language - the programme and the abstract of the paper in English have to be submitted
- Publication activities – minimum 3 essays in English in the scientific journal or peer-reviewed proceedings
- Participation at the scientific and pedagogical activities of the training workplace

- State doctoral examination [ODSZ01](#)
- Current trends in Chemistry didactics [MPGS0108](#)
- Selected themes from anorganic chemistry

ODCHE04

- Research methodology in chemistry didactics [MPGS0109](#)

Other voluntary courses:

Sociology of Education - OPDZ1Z004B - supervisors: PhDr. David Greger, Ph.D., doc. RNDr. Jana Straková, Ph.D.

Philosophical and Educational Antropology

OPDZ1P003B

- supervisor: doc. PhDr. Naděžda Pelcová, CSc..

- Defence of the dissertation
- PhD State exam - ODSZCH1

Internship abroad	OPDZ1E010A
Publications	OPDZ1E007A
Conference	OPDZ1E006A

Pedagogical work	OPDZ1E011A
Professional events - summary	OPDZ1E009A
Internships - summary	OPDZ1E008A