Level: master

Course title: SCHOOL PRACTICE II

Status: elective

ECTS: 6

Requirements:

For attending the course SCHOOL PRACTICE II it is necessary that the student has attended the courses DIDACTICS OF CHEMISTRY and SCHOOL EXPERIMENTS IN CHEMISTRY TEACHING

Learning objectives

Training students – future professors of chemistry for practical realization of chemistry teaching in general and secondary school vocational education.

Learning outcomes

After successfully completed course, the student is able to: describe position of chemistry as a teaching subject in different profiles of secondary education; critically analyze syllabus of chemistry in secondary school education; design logical-gnoseological structure of chemistry knowledge on the basis of the curriculum; independently perform the expected teaching unit outcomes based on the set goal; independently and responsibly choose, design and prepare chemical experiments and teaching resources for the given teaching unit; independently construct knowledge tests in chemistry according to Bloom's taxonomy and defined knowledge standards; methodically form and independently realize chemistry lesson in the secondary school teaching; perform critical evaluation and self-evaluation of the lesson held;

Syllabus

Theoretical instruction

Communication models in chemistry teaching. Didactic designing of chemical contents. Defining general objectives of the subject. Granulating objectives of teaching chemistry within educational topic. Defining the expected outcomes of a lesson, teaching theme, teaching unit and chemistry subject. Planning instruction in chemistry teaching. Designing and preparation of chemistry teaching class. Micromapping in chemistry teaching. The importance and function of elaboration for the lesson. Creating a scenario for the lesson. Professional analysis of chemistry teaching class according to the defined microstructural elements (objectives, methods and strategies and the lesson's outcomes).

Practical instruction: Exercises, Other forms of teaching, Study research work

School Practice II is being implemented in secondary schools that are designated as educational base for the requirements of students' school practice. Introducing students into practical work in the chemistry teaching process is carried out according to the following specification: 8 lessons of active attending classes of mentor-practitioner (4 lessons of active listening of the mentor and 4 lessons of expert analysis of the observed lessons), 4 independently held classes in secondary education and exam lesson. Each individually held class includes 2 classes for preparation of written lesson preparation, 1 lesson for preparation of chemical experiments, 1 lesson for the class stimulation and 1 lesson of the class realization. Exam class includes 3 lessons for making written preparation of the class, 1 class for preparation of chemical experiments for the lesson requirements, 1 lesson for the class simulation, 2 classes of preparation of adequate teaching resources or materials for teaching and 1 class for the realization of the lesson.

Weekly teaching load				Other:
Lectures: 1	Exercises: 4	Other forms of teaching:	Student research:	