

IP004	Informatics Teaching Practice II	L	P	S	ECTS 2
		0	2	0	

Course objective. To train students for high-quality preparation, enactment and analysis of all types of lessons in informatics in secondary school; to master numerous and different methods of teaching; to use of media and prepare students for informatics competition.

Prerequisites. Informatics Teaching Methods I

Course content. Teaching practice takes place in the selected secondary schools under professional supervision of teaching practitioners. One supervisor will be appointed to the student by Department of Mathematics, and students themselves will choose the other supervisor. Students will practice teaching in school's classrooms – they will get familiar with the organization of teaching in secondary school, acquaint themselves with pedagogical documentation, operational plans and programs in mathematics for secondary school, attend demonstration lessons enacted by supervisor (teaching practitioner). Independently and with the help of a supervisor, students will prepare, enact and analyze the lessons, in which will apply the knowledge gained during the study methodology, write a detailed written lesson plans for each lesson and will write a journal for lessons observed in supervisor's classroom. Students will attend supervisor appointed by the Department of mathematics in a group of maximum 5 members. Students will attend the other supervisor individually.

LEARNING OUTCOMES

No.	LEARNING OUTCOMES
1.	Prepare and write lessons plans for teaching mathematics
2.	Enact the lesson in accordance with the principles of mathematics.
3.	Analyze the lesson.
4.	Apply different teaching methods.
5.	Organize and conduct various forms of work in the classroom.

RELATING THE LEARNING OUTCOMES, ORGANIZATION OF THE EDUCATIONAL PROCESS AND ASSESSMENT OF THE LEARNING OUTCOMES.

TEACHING ACTIVITY	ECTS	LEARNING OUTCOME **	STUDENT ACTIVITY*	EVALUATION METHOD	POINTS	
					min	max
Making lesson plans	0.5	1, 3	Reading literature, lesson preparation and planning	Portfolio with lesson plans	10	25
Demonstration lessons	0.7	1, 4	Attending the demonstration lessons, writing journals	Attendance sheets, journals of teaching practice	20	35
Enacting a lesson	0.8	1-5	Student teaches lesson unit in school	Public enactment, report of supervisor	20	40

TOTAL	2				50	100
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Teaching methods and knowledge assessment.

Student requirements:

- demonstration lessons in supervisor's classrooms (6 lessons in schools elected by the Department of Mathematics and at least 12 in a secondary school of student's choice)
- enact 3 trial lessons (1 in the secondary school elected by the Department of Mathematics and 2 in secondary school of student's choice)
- attend public lessons of colleagues in secondary school elected by the Department of Mathematics
- enact public lesson (1 in secondary school elected by the Department of Mathematics and 2 in the secondary school of student's choice)
- actively participate in the lesson analysis
- make lesson plans for supervisors' demonstration lessons in the school elected by the Department and the journal in the school of student's choice

To be able to pass the teaching practice, students have to get a passing grade of supervisor (teacher-practitioner), and passing grades for the teaching journal and all lesson. The grade is formed on the basis of an evaluation of supervisor (activity in lesson analysis, regular attendance, attitude toward school work, enacted trial lessons) (40%), and grades of lesson plans for every enacted lesson (15%), enacted public lessons (40%), the teaching journal (5%).

Can a subject taught in English: Yes

Basic literature:

1. V. Galešev et al., Informatics and Computing: methodical manual for teachers, SysPrint, Zagreb, 2006
2. National curriculum of the subject for primary and secondary schools, MSES, 2018th

Recommended literature:

1. The curricula of informatics / computer science for primary and secondary education, the Ministry of Science, Education and Sports
2. Textbooks in informatics / computer science for primary and secondary schools