Course title: Selected Chapters of Teaching Methods in Mathematics 1	
Lecturer: Dragoslav Herceg	
Status: obligatory/elective **elective**	
ECTS: 15	
Requirements:	

Learning objectives: Professional and methodological aspects of some of the most important topics in the mathematics curriculum for elementary and secondary schools.

Learning outcomes The basic concept of teaching. Didactic principles. Teaching forms. Types of contemporary models of teaching and learning.

Syllabus

Theoretical study

Problem based learning, programmed, differentiated teaching and individualized teaching. Historical survey of the origin and development of ideas on differentiated and individualized teaching in the world and in our region. General characteristics of scientific research methods and their role in the teaching of mathematics. Analysis of the curriculum for primary school mathematics. Analysis of curricula for middle school mathematics, with special emphasis on the mathematical sciences

Practical lessons

Lectures, written analysis prepared for classes and demonstrations hours. Analysis classes held in primary and secondary schools.

References

1. Zech, F.: Grundkurs Mathematik didaktik – Theoretiche und praktis – che Anleitungen fur das Lehren und Lernen von Mathematik, Beltz Verlag – Weinheim und Basel, Berlin, 1999.
2. Марјановић, М.: *Методика математике II*, Учитељски факултет, Београд, 1996.
3. Марјановић, М.: *Методика математике I*, Учитељски факултет, Београд, 1996.

Weekly teaching load				Other:
Lectures: 5	Exercises:	Other forms of teaching:	Student research: 5	

Grading method (maximal number of points 100)			
Pre-exam obligations	**points**	**Final exam**	**points**
Theoretical study	**2**	Oral exam	**40**
Practical lessons	**8**		**20**
Colloquia	**30**	....	
Seminar			