Course title: Testing and Knowledge Assessment	
Lecturer: Zoran D. Budimac	
Status: elective	
ECTS: 15	
Requirements:	

Learning objectives
Introduction to theory and practice of knowledge assessment, methodology and methods of students' testing.

Learning outcomes
Mastery of techniques of testing and knowledge assessment.

Syllabus
Theoretical instruction
Influence of modern technologies on the procedure of knowledge assessment and testing. Elements and characteristics of E-testing. Components and structure of a system for E-testing and knowledge assessment. Digital databases of tests. Test generation, individualization, and provision of security and privacy. Basic types of questions suitable for computer usage. Testing and checking of program source-code. Assessment of programming style. Presentation of characteristic testing systems in networked environment. Plagiarism checking techniques. Basic recommendations for implementation of E-testing systems. Possibilities of application of E-testing systems and knowledge assessment systems in various fields of education.
Practical instruction
Exercises follow lectures as topics are presented.

Suggested literature:
1. Robyn Benson and Charlotte Brack, Online Learning and Assessment in Higher Education , A Planning Guide, 2010 Woodhead Publishing Limited., p. 204, ISBN: 978-1-84334-577-0
2. Tisha Bender: Discussion-Based Online Teaching to Enhance Student Learning: Theory, Practice and Assessment, Stylus Publishing LLC, 2003.
3. Ronald Jay Cohen, Mark E. Swerdlik, and Suzanne M. Phillips: Exercises in Psychological Testing And Assessment, Mayfield Pub Co, 1998.

Weekly teaching load	**Lectures**: 5	**Student research**: 5

Teaching methodology
Lectures, consultations, interactive and dialog methods.

Grading (maximal number of points 100)			
Pre-exam requirements	points	**Final exam**	points
Activities during lectures	10	Seminar paper	40
Colloquia	30		
Practical assignments	20		