

UČNI NAČRT PREDMETA / COURSE SYLLABUS						
<b>Predmet:</b>		Magistrsko delo in zaključni izpit				
<b>Course title:</b>		Master's thesis and final exam				
<b>Študijski program in stopnja</b> Study programme and level		<b>Študijska smer</b> Study field		<b>Letnik</b> Academic year	<b>Semester</b> Semester	
Enoviti magistrski študijski program Pedagoška matematika		ni smeri		5	drugi	
Integrated Master's study programme Pedagogical Mathematics		none		5	second	
<b>Vrsta predmeta / Course type</b>				obvezni		
<b>Univerzitetna koda predmeta / University course code:</b>				M0553		
<b>Predavanja</b> Lectures	<b>Seminar</b> Seminar	<b>Vaje</b> Tutorial	<b>Klinične vaje</b> work	<b>Druge oblike študija</b>	<b>Samost. delo</b> Individ. work	<b>ECTS</b>
					750	25
<b>Nosilec predmeta / Lecturer:</b>		prof. Barbara Drinovec Drnovšek, prof. Tomaž Košir				
<b>Jeziki / Languages:</b>	<b>Predavanja / Lectures:</b>		slovenski/Slovene			
	<b>Vaje / Tutorial:</b>		slovenski/Slovene			
<b>Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:</b>				<b>Prerequisites:</b>		
<b>Vsebina:</b>				<b>Content (Syllabus outline):</b>		

<p>Učitelji na Oddelku za matematiko pripravijo zadostno število samostojnih tem praviloma skupaj z osnovnim gradivom. Študenti sami poiščejo še dodatne vire in izdelajo magistrsko delo.</p> <p>Zaključni izpit je ustni. Na njem kandidat dobi tri vprašanja: prvo iz matematične analize, drugo iz algebre in tretje iz geometrije. Vprašanja so iz vnaprej pripravljenega seznama izpitnih tem, ki so vse zajete iz vsebin predmetov v času študija.</p>	<p>Suggested by Department's teachers or by their own initiative students choose appropriate master's thesis themes which they prepare based on the study of appropriate literature.</p> <p>Final/comprehensive exam is oral. The student gets three questions, one from the field of Analysis, one from the field of Algebra and one from Geometry. Questions are chosen from a list of titles which are known in advance.</p>
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**Temeljni literatura in viri / Readings:**

<p>gradivo, ki ga pripravijo učitelji na Oddelku za matematiko</p> <p>S. Krantz. A primer of mathematical writing. American Mathematical Society, 1997.</p>
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**Cilji in kompetence:**

<p>Predmet je namenjen izdelavi in predstavitvi magistrskega dela ter zaključnemu izpitu</p>
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**Objectives and competences:**

<p>The course objective is the preparation and presentation of the master's thesis and the final / comprehensive exam.</p>
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**Predvideni študijski rezultati:**

<p>Študent se nauči uporabe literature in na njeni osnovi napisati magistrsko delo in pripraviti predstavitev.</p> <p>Svoje znanje poveže in pokaže na zaključnem izpitu. Pridobljene izkušnje mu bodo v pomoč v delovnem okolju ali pri morebitnem nadaljevanju študija.</p>
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**Intended learning outcomes:**

<p>Student acquires the ability for independent literature study, prepares and presents the master's thesis. Student's comprehensive mathematical knowledge is presented on the final exam. Acquired knowledge will be helpful in student's future professional work as well as in possible advanced studies.</p>
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**Metode poučevanja in učenja:**

Vsak študent mora napisati magistrsko delo in opraviti zaključni izpit. Poseben poudarek je na jasnosti in preglednosti zaključne predstavitve.

**Learning and teaching methods:**

Each student writes master's thesis and passes the final / comprehensive exam. Especial emphasis is given to the final master's thesis presentation.

**Načini ocenjevanja:**

Delež (v %) /

Weight (in %)

**Assessment:**

Način:	Delež (v %) / Weight (in %)	Type:
Ocena zaključnega izpita		Final exam
Ocena magistrskega dela		Master's thesis
Ocena predstavitve magistrskega dela	50 %	Presentation of master's thesis
ocene: 1-5 (negativno), 6-10 (pozitivno) (po Statutu UL)	25 %	Grading: 6-10 pass, 1-5 fail (according to the rules of University of Ljubljana)
	25 %	

**Reference nosilca / Lecturer's references:**

Barbara Drinovec Drnovšek:

– DRINOVEC-DRNOVŠEK, Barbara. Discs in Stein manifolds containing given discrete sets. *Mathematische Zeitschrift*, ISSN 0025-5874, 2002, vol. 239, no. 4, str. 683-702 [COBISS.SI-ID 11567449]

– DRINOVEC-DRNOVŠEK, Barbara, FORSTNERIČ, Franc. Approximation of holomorphic mappings on strongly pseudoconvex domains. *Forum mathematicum*, ISSN 0933-7741, 2008, vol. 20, iss. 5, str. 817-840 [COBISS.SI-ID 15078745]

– DRINOVEC-DRNOVŠEK, Barbara, FORSTNERIČ, Franc. Strongly pseudoconvex domains as subvarieties of complex manifolds. *American journal of mathematics*, ISSN 0002-9327, 2010, vol. 132, no. 2, str. 331-360 [COBISS.SI-ID 15549529]

Tomaž Košir:

– KOŠIR, Tomaž, OBLAK, Polona. On pairs of commuting nilpotent matrices. *Transformation groups*, ISSN 1083-4362, 2009, vol. 14, no. 1, str. 175-182 [COBISS.SI-ID 15077977]

– CVETKO-VAH, Karin, KOKOL-BUKOVŠEK, Damjana, KOŠIR, Tomaž, KUDRYAVTSEVA, Ganna. Semitransitive subsemigroups of the singular part of the finite symmetric inverse semigroup. *Acta mathematica Hungarica*, ISSN 0236-5294, 2011, vol. 131, no. 1-2, str. 1-24 [COBISS.SI-ID

15842905]

– GRUNENFELDER, Luzius, KOŠIR, Tomaž, OMLADIČ, Matjaž, RADJAVI, Heydar. Finite groups with submultiplicative spectra. *Journal of Pure and Applied Algebra*, ISSN 0022-4049. [Print ed.], 2012, vol. 216, iss. 5, str. 1196-1206 [COBISS.SI-ID 16183385]