

UČNI NAČRT PREDMETA / COURSE SYLLABUS						
<b>Predmet:</b>		Delovna praksa 2				
<b>Course title:</b>		Workplace experience 2				
<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	
Magistrski študijski program Matematika		ni smeri		2	drugi	
Master's study programme Mathematics		none		2	second	
<b>Vrsta predmeta / Course type</b>				izbirni		
<b>Univerzitetna koda predmeta / University course code:</b>				M2728		
<b>Predavanja</b> Lectures	<b>Seminar</b> Seminar	<b>Vaje</b> Tutorial	<b>Klinične vaje</b> work	<b>Druge oblike</b> študija	<b>Samost. delo</b> Individ. work	<b>ECTS</b>
	15				165	6
<b>Nosilec predmeta / Lecturer:</b>		prof. Matjaž Konvalinka, prof. Primož Moravec				
<b>Jeziki / Languages:</b>		<b>Predavanja / Lectures:</b>		slovenski/Slovene, angleški/English		
		<b>Vaje / Tutorial:</b>		slovenski/Slovene, angleški/English		
<b>Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:</b>				<b>Prerequisites:</b>		
<b>Vsebina:</b>				<b>Content (Syllabus outline):</b>		

<p>V dogovoru s strokovnimi sodelavci v podjetjih bomo na Oddelku za matematiko pripravili seznam možnih podjetij in ustanov, na katerih lahko študenti opravljajo praktično usposabljanje. Usposabljanje bo koordinirano in pripravljeno v sodelovanju med učiteljem na fakulteti in zaposlenimi v podjetjih.</p>	<p>Department of Mathematics will prepare a list of possible providers of working experience (based on previous agreement). Working experience will be planned and coordinated by the lecturer and the responsible person from the company.</p>
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### Temeljni literatura in viri / Readings:

<p>Navodila za delo/work instructions.  Priročniki/manuals.  Notranji akti organizacije, ki nudi praktično usposabljanje/ Organization's internal acts.</p>
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### Cilji in kompetence:

<p>Študenti se ob praktičnem usposabljanju povežejo pridobljeno znanje s prakso. Pridobijo praktične izkušnje v delovnem okolju. Spoznajo se s problematiko sodobnega informacijskega ali tehnološkega podjetja ali druge ustanove. V realnem okolju študentje poglobljajo komunikacijske in socialne kompetence za prenos znanj in za uspešno delo v skupini.</p>
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### Objectives and competences:

<p>Students combine working experience and professional knowledge. They acquire practical experiences in the frame of working environment. Students acquire knowledge about modern information or technological company or some other institution. In real work environment students acquire communication and social competences for successful team work and knowledge transfer.</p>
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### Predvideni študijski rezultati:

<p>Znanje in razumevanje: Poznavanje in razumevanje zapletenih odnosov praktičnega sodelovanja matematika v delovnem okolju.  Uporaba: Uporaba praktičnih izkušenj pri oblikovanju poklicne poti.  Refleksija: Razumevanje praktičnega dela v konkretnem delovnem okolju in uporaba pridobljenega znanja pri praktičnih problemih.  Prenosljive spretnosti – niso vezane le na en predmet: Spretnost uporabe matematičnega</p>
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### Intended learning outcomes:

<p>Knowledge and understanding: Knowledge and understanding of complicated relationships between a mathematician and working environment.  Application: Application of practical experiences into working carrier.  Reflection: Understanding of practical work in a particular working environment and application of the academic knowledge for solving practical problems.</p>
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znanja v delovnem okolju.	Transferable skills: Ability of transferring mathematical knowledge into a working environment.
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**Metode poučevanja in učenja:**

praktično usposabljanje

**Learning and teaching methods:**

working experience

Delež (v %) /

**Načini ocenjevanja:**

Weight (in %)

**Assessment:**

Praktično delo, zaključno poročilo o praktičnem usposabljanju Ocene: opravi/ni opravi	100%	Practice, final report Grading: passed/not passed
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**Reference nosilca / Lecturer's references:**

Matjaž Konvalinka:

- KONVALINKA, Matjaž, PAK, Igor. Geometry and complexity of O'Hara's algorithm. Advances in applied mathematics, ISSN 0196-8858, 2009, vol. 42, iss. 2, str. 157-175 [COBISS.SI-ID 15545945]
- KONVALINKA, Matjaž. Skew quantum Murnaghan-Nakayama rule. Journal of algebraic combinatorics, ISSN 0925-9899, 2012, vol. 35, no. 4, str. 519-545 [COBISS.SI-ID 16250713]
- KONVALINKA, Matjaž. On quantum immanants and the cycle basis of the quantum permutation space. Annals of combinatorics, ISSN 0218-0006, 2012, vol. 16, no. 2, str. 289-304 [COBISS.SI-ID 16310873]

Primož Moravec:

- MORAVEC, Primož. Groups of order  $p \geq 5$  and their unramified Brauer groups. Journal of algebra, ISSN 0021-8693, 2012, vol. 372, str. 420-427 [COBISS.SI-ID 16521049]
- MORAVEC, Primož. Unramified Brauer groups of finite and infinite groups. American journal of mathematics, ISSN 0002-9327, 2012, vol. 134, no. 6, str. 1679-1704 [COBISS.SI-ID 16521305]

- DELIZIA, Constantino, MORAVEC, Primož, NICOTERA, Chiara. Groups with all centralizers subnormal of defect at most two. *Journal of algebra*, ISSN 0021-8693, 2013, vol. 374, str. 132-140 [COBISS.SI-ID 16556889]