



Univerza v Mariboru

Fakulteta za naravoslovje
in matematiko

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Didaktični praktikum
Course title:	Teaching practicum

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Izobraževalna tehnika, enopredmetni študij 2. stopnje		1	2
Educational Design, one stream study, 2 nd. degree		1	2

Vrsta predmeta / Course type

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
15	30	25			80	5

Nosilec predmeta / Lecturer:

Jeziki / Languages:	Predavanja / Lectures:	slovenski / Slovenian
	Vaje / Tutorial:	slovenski / Slovenian

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:

Teoretična didaktična in pedagoška znanja.

Prerequisites:

Theoretical didactical (teaching/learning) and pedagogical knowledge.

Vsebina:

Content (Syllabus outline):

Predavanja:

- Kritična analiza vzorčnih priprav in predlogi za izboljšanje
- izbira ustreznih metod za učinkovito poučevanje;
- analiza metod in postopkov za ustvarjalno reševanje tehniških in tehnoloških problemov;

Seminar:

- reševanje praktičnih učnih problemov;
- načrtovanje učenčevih dejavnosti v procesu usvajanja učne snovi;

Laboratorijske vaje:

- Izdelava učil za pouk tehnike in tehnologije

Lectures:

- Critical analysis of the sample preparation and suggestions for improvement;
- selection of appropriate methods for effective teaching;
- analysis methods and procedures for creatively solving engineering and technological problems.

Seminar:

- solving practical learning/teaching problems;
- planning pupils' activities in the process of adopting teaching materials;

Laboratory work:

- Preparation of teaching aid for teaching technology

Temeljni literatura in viri / Readings:

- Aberšek, B. Didaktika tehniškega izobraževanja med teorijo in prakso. 1. izd. Ljubljana: Zavod Republike Slovenije za šolstvo, 2012
- Aberšek, B. Tehnologija sporazumevanja za inženirje : poslovno in strokovno sporazumevanje v teoriji in praksi. 1. izd. Maribor: Fakulteta za strojništvo, 2003.
- Marentič – Požarnik, B. Psihologija učenja in pouka. DZS, Ljubljana 2003.

Cilji in kompetence:

- poglobljeno znanje o izbiri ustrezne metode poučevanja;
- poznavanje didaktičnih korakov pri realiziranju učnega načrta;
- analiza in sinteza učnega procesa;
- načrtovanje in evalvacija učnega procesa.

Objectives and competences:

- detailed knowledge about the selectioning of appropriate instructional techniques;
- knowledge of teaching steps in realizing the curriculum:
- to master (analyses and synteses) the teaching/learning process;
- planning and evaluating the learning/teaching process.

Predvideni študijski rezultati:**Znanje in razumevanje:**

- razumevanje metod in pristopov v posameznih fazah načrtovanja učne ure;
- razumevanje strategij, konceptov, metod in pristopov pri tehniki in tehnologiji;
- razumevanje sodobnih strategij

Intended learning outcomes:**Knowledge and understanding:**

- understanding methods and approaches in various stages of planning lessons;
- understanding strategies, concepts, methods and approaches in technique and technology;
- understanding strategies of modern educational work.

vzgojno-izobraževalnega dela, • potrebna znanja s področja načrtovanja in evalviranja učnega procesa. Prenesljive/ključne spretnosti in drugi atributi: • kombinirana uporaba znanj načrtovanja, izvajanja in samovrednotenja učne ure; • razvijanje procesa ustvarjanja novih idej.	• Needed knowledge form planning and evaluation of teaching/learning process. Transferable/Key Skills and other attributes: • combined using skills of planning, implementing and self-evaluation of lessons; • development of process of cut out of new ideas and products.
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Metode poučevanja in učenja:

• predavanja; • laboratorijske vaje; • seminar.

Learning and teaching methods:

• lectures; • laboratory work; • seminar.

Delež (v %) /

Načini ocenjevanja:

Weight (in %)

Assessment:

• ustni izpit; • laboratorijsko delo; •	20 % 80 %	• oral exam; • laboratory work; •
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Reference nosilca / Lecturer's references:

• Šorgo, A., Ploj Vrtič, M., & Dolenc, K. (2021). Differences in personal innovativeness in the domain of information technology among university students and teachers. <i>Journal of information and organizational sciences</i>, 45(2), 553–565. https://jios.foi.hr/index.php/jios/article/view/1627 Šorgo, A., Ploj Vrtič, M., & Dolenc, K. (2021). Differences in personal innovativeness in the domain of information technology among university students and teachers. <i>Journal of information and organizational sciences</i>, 45(2), 553–565. https://jios.foi.hr/index.php/jios/article/view/1627 Šorgo, A., Ploj Vrtič, M., & Dolenc, K. (2021). Differences in personal innovativeness in the domain of information technology among university students and teachers. <i>Journal of information and organizational sciences</i>, 45(2), 553–565. https://jios.foi.hr/index.php/jios/article/view/1627
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