

UČNI NAČRT PREDMETA / COURSE SYLLABUS	
Predmet:	Seminar I
Course title:	Seminar I

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Sonaravne tehnologije in sistemi v strojništvu - 3. stopnja	/	1.	Letni
Sustainable technologies and systems in mechanical engineering - 3 rd cycle	/	First	Summer

Vrsta predmeta / Course type

obvezni/compulsory

Univerzitetna koda predmeta / University course code: STSS 1 UN 6

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Lab. vaje Lab. work	Druge oblike študija	Samost. delo Individ. work	ECTS
					300	10

Nosilec predmeta / Lecturer:

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

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

- Vpis v doktorski študijski program.

Prerequisites:

- Enrolment in the doctoral study program.

Vsebina:

- Priprava in predstavitev pregleda obstoječega stanja raziskav na ožjem področju raziskovalnega dela.

Content (Syllabus outline):

- Preparation and presentation of an overview of the current state of research in a specific field of research work.

Temeljna literatura in viri / Readings:

Temeljna literatura / Basic literature

Izbira literature je vezana na ožje področje študentovega dela, katere izbiro potrdi mentor/mentorica.

Pravilnik o pripravi in zagovoru doktorske disertacije.

Navodila za pisanje pisnih izdelkov na tretji stopnji.

Cilji in kompetence:

Učna enota prispeva predvsem k razvoju naslednjih splošnih in specifičnih kompetenc:

- sposobnost samostojnega in ustvarjalnega raziskovalno-razvojnega dela na področju strojništva,
- sposobnost samostojnega spremljanja in kritične presoje najnovejših dosežkov s področja strojništva in širše,
- sposobnost aktivnega pisnega in ustnega sporazumevanja na visoki strokovni ravni,
- sposobnost timskega dela s strokovnjaki z različnih področij,
- sposobnost učinkovite uporabe informacijsko-komunikacijske tehnologije,
- sposobnost individualnega ustvarjalnega mišljenja,
- usposobljenost za komuniciranje v domačem in mednarodnem okolju,
- sposobnost predstavitve pridobljenega znanja in izsledkov. raziskav.

Objectives and competences:

The learning unit mainly contributes to the development of the following general and specific competences:

- ability of independent and creative research and development work in the field of mechanical engineering,
- ability to independently perceive and critically assess the latest achievements in the field of mechanical engineering and beyond,
- ability actively communicate in written and oral form at a high professional level,
- ability to work in teams with experts from different fields,
- ability to effectively use information and communication technology,
- ability of individual creative thinking,
- ability to communicate in the domestic and international environment,
- ability to present acquired knowledge and research findings.

Predvideni študijski rezultati:***Študent/študentka:***

- pozna osnove znanstvenoraziskovalnega dela,
- razume raziskave v inženirstvu,
- razume pomen etike v znanstvenoraziskovalnem delu in inženirskih raziskavah,
- se usposobi za komuniciranje v domačem in mednarodnem okolju,
- se usposobi za predstavitve pridobljenega znanja in raziskovalnih dognanj,
- se usposobi za uporabo IKT za iskanje informacij za potrebe znanstvenega in strokovnega dela,
- razvije sposobnost za kritično presojo kakovosti virov znanstvene in strokovne literature.

Intended learning outcomes:***Students:***

- know the basics of scientific research work,
- understand engineering research,
- understand the importance of ethics in scientific research and engineering research,
- develop skills to communicate in the domestic and international environment,
- develop skills for presentations of acquired knowledge and research findings,
- develop skills to the use of ICT to search for information for the needs of scientific and professional work,
- develop the ability to critically assess the quality of sources of scientific and professional literature.

Metode poučevanja in učenja:

- seminar je organizirana oblika študija, ki jo študent izvaja pod vodstvom svojega mentorja, rezultate dela pa v pisni in ustni obliki predstavi javno pred strokovno komisijo.

Learning and teaching methods:

- the seminar is an organized form of study that the student conducts under the guidance of their mentor, and the results of the work are presented in written and oral form to an audience before a professional commission.

Načini ocenjevanja:

Delež (v %) /

Weight (in %) /

Assessment:

• Pisna in ustna predstavitev rezultatov dela v obliki poročila. Ocenjevalna lestvica: ECTS (uspešno, neuspešno).	100 %	• Written and oral presentation of the work results in the form of a report. Grading scale: ECTS (successful, unsuccessful).
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