



OPIS PREDMETA / SUBJECT SPECIFICATION

Predmet: Subject Title:	Tehniški praktikum I Technology practicum I
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Študijski program Study programme	Študijska smer Study field	Letnik Year	Semester Semester
Izobraževalna tehnika		1	letni
Educational Design		1	Summer

Univerzitetna koda predmeta / University subject code:

Predavanja Lectures	Seminar Seminar	Sem. vaje Tutorial	Lab. Vaje Lab. Work	Teren. vaje Field work	Samost. delo Individ. work	ECTS
	10		60		110	6

Nosilec predmeta / Lecturer:

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

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

Prerequisites:

Osnovno znanje iz gradiv in obdelav ter tehniškega risanja.

Basic knowledge of materials and technologies and technical drawings.

Vsebina:

Contents (Syllabus outline):

Vaje in seminar:

- Prepoznavanje inženirskih gradiv in njihove lastnosti (prednosti in slabosti);
- pregled proizvodnih tehnologij;
- osnove tehnične in tehnološke dokumentacije;
- priprava in organizacija proizvodnje.
- utrditev pravil tehniškega risanja s poudarkom na kotiranju;
- uporabe tehniške in tehnološke dokumentacije;
- izdelovalni in preoblikovalni postopki za naslednje vrste gradiv:
 - keramika,
 - papir,
 - naravno in umetno usnje ter tkanine,
 - umetne snovi,
 - steklo,
 - les.
- izdelava seminarske naloge

Tutorials and seminar:

- To identify engineering materials and their properties (benefits and weaknesses);
- review of production technologies;
- basic concepts of technical and technological documentation;
- production management.
- drawing of technical drawings by given requirements;
- drawing by computer using appropriate programme software;
- manufacture in reforming procedures using following materials:
 - ceramics,
 - paper,
 - natural and artificial leather;
 - glass,
 - wood.
- Seminar work.

Temeljni študijski viri / Textbooks:

1. Glodež S.: Tehniško risanje, TZS, Ljubljana 2005.
2. Prebil I.: Tehniška dokumentacija, TZS, Ljubljana 1995.
3. Aberšek, B., *Tehnologija in obdelava gradiv*, Didakta, Radovljica, 1995.

Cilji:

- podati in utrditi osnovno znanje o materialih in načinih obdelave;
- spoznati osnovne o strojih in orodjih za obdelavo;
- podati osnovne smernice o varnosti pri delu;

Objectives:

- to provide and to strength the base knowledge about materials and manufacturing procedures;
- to provide the base knowledge about manufacturing machines and tools;
- to provide basic guidelines about work security.

Predvideni študijski rezultati:

Znanje in razumevanje:

- razumevanje osnovnih pojmov o materialih in načinih obdelave;
- razumevanje načinov obdelave nekovinskih gradiv (les, papir, usnje itd.);
- znati izdelati izdelke po pripravljeni tehniško-tehnološki dokumentaciji;
- upoštevati varnost pri delu.

Prenesljive/ključne spretnosti in drugi atributi:

- praktične spretnosti pri izdelavi izdelkov;
- upoštevanje varnosti pri delu.

Intended learning outcomes:

Knowledge and Understanding:

- understanding of basic concept of materials and manufacturing procedures;
- understanding of manufacturing processes of non-metallic materials (wood, paper, leather etc.);
- to know how to make product from technical-technological documentation;
- considering the work security.

Transferable/Key Skills and other attributes:

- practical skills by manufacturing products;
- considering of work security.

Metode poučevanja in učenja:

- laboratorijske vaje;
- seminar.

Learning and teaching methods:

- laboratory work;
- seminar.

Načini ocenjevanja:

Delež (v %) /
Weight (in %)

Assessment:

- ocenjene laboratorijske vaje;
- seminarska naloga.

60 %
40 %

- completed laboratory work;
- completed seminar work.

Materialni pogoji za izvedbo predmeta :

- predavalnica z multimedijскими pripomočki;
- laboratorij.

Material conditions for subject realization

- lecture room with multimedia facilities;
- laboratory room.

Obveznosti študentov:

(pisni, ustni izpit, naloge, projekti)

- opravljene laboratorijske vaje;
- seminarska naloga.

Students' commitments:

(written, oral examination, coursework, projects):

- completed laboratory work;
- seminar work.