MM3341

Study program / course: Mechanical Engineering

Type and level of study: Master academic studies

Course: Solid waste management

Lecturers: Jovičić M. Nebojša

Status of course: Elective for module M_4, III semester

Number of ECTS: 6

Precondition: Process equipment

The objective of course:

- To introduce the students with the basics elements of integrated solid waste management and
- To give the students necessary knowledge and skills for design and conducting sustainable locale and regional strategy for solid waste management.

The outcome of course

After finishing the course students will be able:

- To recognize the significant of integrate solid waste management,
- To analyze competently low regulation in area of solid waste management,
- To conduct procedure of making sustainable locale and regional plans for solid waste management.

Syllabus

Theoretical study

Basics of solid waste management. Law framework. Responsibilities in solid waste management. National regulation. Regulation in EU. Municipal solid waste. Industrial and hazardous waste. Regional plan for solid waste management. Objectives. Region scanning. Analyses of current practices. Environmental acceptable options in solid waste management. Financial analyses and estimation of costs for optimal model.

Practical classes

Regional plan for solid waste management

Recommended reading

1. Jovičić N., Upravljanje čvrstim otpadom, Skripta, Mašinski fakultet, Univerzitet u Kragujevcu, Kragujevac, 2005
2. Ilić M., Osnovi upravljanje čvrstim otpadom, Institut za ispitivanje materijala, Beograd, 1998

The number of hours of active teaching:				Other classes:
Theory: 3	Practical classes: 1.4	Other forms of teaching: 0.6	Research study:	1

Methods of teaching

Evaluation of knowledge

Pre-final exam obligations	**Points**	**Final exam**	**points**
Activities during the classes:	**10**	Final exam	**20**
Practical classes:			
Colloquiums(s) :	**30**		
Seminar(s) :	**40**		