Course Unit Descriptor

Study Programme: Energy And Process Engineering

Course Unit Title: Exploitation aspects and risks in plant operation

Course Unit Code: M35I53

Name of Lecturer(s): Anđelković Aleksandar

Type and Level of Studies: Master Academic Degree

Course Status (compulsory/elective): elective

Semester (winter/ summer): winter

Language of instruction: english

Mode of course unit delivery (face-to-face/distance learning): face-to-face

Number of ECTS Allocated: 4

Prerequisites: none

Course Aims:.

The aim of the subject is for students to achieve competences and academic skills in the field of exploitation and the risks during the plant's exploitation, including development of creative skills of analysis and synthesis of problems and ability of critical analysis.

Learning Outcomes:
The outcome and purpose of the subject are education and enabling students for quality – independent and team during exploitation, as well as recognition and risks removal during exploitation period.The subject outcome is acquiring necessary scientific and professional competences in this field.

Syllabus.
Theoretical fundamentals on characteristics and problems during exploitation and risks of their occurence. Criteria and methods on risk evaluation incident consequences evaluation. Numeric and information problem treating. Problems of development and simulation models application and communication software. Partially lectures are realized through independent study and research work in the field of simulation and risk assesment.

Required Reading:
Relevant literature in English, tbd

Weekly Contact Hours: 2	**Lectures: 2**	**Practical work: 2**

Teaching Methods:
Lectures, independent study and research work, consultations. Lectures are held in combined way. Theoretical part is presented in lectures and it is followed by appropriate exampled contributing to an easier understanding of the subject content.

Knowledge Assessment (maximum of 100 points):

Pre-exam obligations	points	**Final exam**	points
Attendance			
Computer exercises			
Tests (4x)			