Course Unit Descriptor

Study Programme: Engineering Management

Course Unit Title: TQM Project Management

Course Unit Code: IM1315

Name of Lecturer(s): Goran Tepić

Type and Level of Studies: bachelor

Course Status (compulsory/elective): elective

Semester (winter/ summer): summer

Language of instruction: english

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

Number of ECTS Allocated: 5

Prerequisites: none

Course Aims:.

The aim of the course is to provide general overview of TQM projects and to enable students to manage projects in this field.

Learning Outcomes:
Students who successfully fulfill course obligations will have the skills required to become industrial engineer who work on practical projects of quality system implementation in the field of TQM, such as establishment of quality management system. Also, students will gain knowledge related to testing, analysis and evaluation of the established system and methods to systematical system improvement.

Syllabus.
Basic knowledge of TQM. Definition of quality management system. Need and benefits of QMS establishment, main goals and requirements. Review and analysis of the current stage of quality system in the company. Development of the project establishing a system of quality management: defining the necessary activities, determination of needed resources, project scheduling, budgeting and risk assessment. Presentation of the project current state of the project to high level management making go/no go decisions on the project. Project implementation: the formation of the project team, production of quality management system documents, the introduction of documents in the application, staff training. Checking the established quality management system. Analysis and evaluation of the functioning of the quality management system. Methods of improving the quality management system.

Required Reading:
Relevant literature in English, tbd

Weekly Contact Hours:2	**Lectures: 3**	**Practical work: 0**

Teaching Methods:
During the lectures students will have opportunity to learn theoretical framework of managing TQM projects, going through practical examples. Exercises will be oriented towards real projects available in practice. Students will be guided in the process of creating their own project since the imitation till termination phase following the methodology presented on lectures. During the computer exercises student will work in MS Project software.

Knowledge Assessment (maximum of 100 points):

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