Course Unit Descriptor

Study Programme: Power, Electronic and Telecommunication Engineering		
Course Unit Title: Sociology of Technique		
Course Unit Code: E106		
Name of Lecturer(s): Sonja Pejić, Ana Nešić		
Type and Level of Studies:Bachelor level		
Course Status (compulsory/elective): compulsory		
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:2		
Prerequisites: none		
Course Aims: Enabling engineers to understand social importance and role of technical sciences in the society development, positive and negative implications of technical sciences to the development of society and men, as well as self social importance and responsibility in the creation of human society		
Learning Outcomes: Acquisition of social knowledge about features, sources, social functions and creators of technical knowledge; knowledge about the impact of the nature of social systems on technical development and the impact of technique on the society development; knowledge about impact of technique on globalization process, nature destruction and creation of risky society; knowledge about impact of technique on changes of the work contents and work organization forms; knowledge about the impact of the mass media on people's lives, education, culture and democracy.		
Syllabus: Technical knowledge: features and social functions of technique, sources of technical knowledge, creators of technical knowledge, dissemination of technical knowledge, scientific-technical potential, science and technique relationship. Relationship between technique and society: the impact of society on technical development and the impact of technical sciences on the development of society-industrial and information society. The impact of technical sciences on life, awareness and culture. Technical sciences and globalization: causes and dimensions of globalization, technological gap, brain drain; Technical sciences and work organization: flexible production, network organizations, knowledge economy, electronic economy. Technical sciences and work: reduction of working hours, change of work content, decline of the work importance. Technical sciences and alienation at work: the impact of television on society, media theories, mobile telephony and internet, the impact of internet on society, media imperialism, mass culture, cyber criminal. Technical sciences and education: education and new communication technologies, education and technological gap, virtual media and virtual reality, resistance and alternatives to global media. Technical sciences and ecological crisis: global warming, genetically modified food, technical risks, technical society as risky technical intelligence: social status and impact, engineering ethics.		
Required Reading: Relevant literature in English TBD		
Weekly Contact Hours:2	**Lectures:2**	**Practical work:0**
Teaching Methods: The problem is presented in lectures, and then a discussion is opened in which students may ask questions, give objections		

and contribute to the presented matter.			
Knowledge Assessment (maximum of 100 points):100			
Pre-exam obligations	points	**Final exam**	points
Test	45	Oral part of the exam	50
Lecture attendance	5		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			