

COURSE FICHE

Title of Course:	Engineering Practice in the European Union
Course Code:	PMKMENE140A
Engagement per week (Lecture/Exercise/Laboratory):	2*45 minutes / 0 / 0
Examination:	Written examination at the end of term
Credits:	2
Proposed term:	Autumn
Lecturer:	Institute of Engineering and Smart Technologies Chair of Civil Engineering Dr. András GULYÁS retired associate professor gulyasandras@hotmail.com
Scope of education:	Structural Engineering; Computer Science Engineering
Learning Objectives: The course is designed to introduce students of Civil Engineering to the objectives of the European economic and political integration, based on brief history of the EU. They will be prepared to understand the institutional and decision-making system as well as the budgetary mechanisms of the EU, with special emphasis on the structural development-supporting and cohesion policy. Opportunities for engineers provided by the infrastructure policy of the EU in achieving interoperability of the national networks of infrastructure. The role and responsibilities of engineers in preparation and implementation of infrastructure projects of international interest requiring EU financial support. Tendencies aiming to reform the existing institutional framework and governing principles of the co-operation among EU Member States following the 2008-2014 financial and economic crisis and Brexit.	
Short Content: The aim of the course is to introduce students to the system of professional engineering licences, the role and operation of the chambers of commerce and professional associations, the forms and possibilities of training and further education through examples from different countries. The institutional system of technical education in the EU, training policies. Opportunities for engineering education and further education inside and outside EU countries. The dual training system in higher education. The recognition of academic qualifications and degrees. Regulation and licensure in engineering. The role and operation of the chambers of commerce, the system of traineeship, chamber membership.	
General requirements and additional information	
Language:	English
Requirements of course acknowledgement (during the semester):	Attending all lectures is highly recommended.
Examination and structure of the grade:	Quiz-like written examination at the end of term (last lesson)
Recommended readings and references: Recommended readings could be found on the internet and in the library. How the European Union works (European Commission, 2014) https://europa.rs/images/publikacije/HTEUW_How_the_EU_Works.pdf System for the recognition of professional qualifications http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=LEGISSUM:c11065 Directive 2005/36/EC of the European Parliament and of the Council of 7 September 2005 on the recognition of professional qualifications http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:02005L0036-20160524 Kengyel, Á.: <i>The European Union and its policies</i> . In: Palánkai, T. (ed.): <i>Economics of Global and Regional Integration</i> . Akadémiai Kiadó. Budapest, 2014, pp. 175-190. Kengyel, Á.: <i>The Importance of EU Cohesion Policy in Central and Eastern Europe</i> . Transition Studies Review, Vol. 22. No. 1. (2015), pp. 3-20.	
Inscription to the course:	Through the NEPTUN system.

Pécs, 03 Sept 2019

Dr. András Gulyás
associate professor