

Tárgytematika / Course Description

Economy and Quality Management

KGNB_MMTA110

Tárgyfelelős neve /

Teacher's name: dr. Kurucz Attila

Félév / Semester: 2021/22/2

Beszámolási forma /

Assesment: Folyamatos számonkérés

Tárgy heti óraszám /

Teaching hours(week): 1/1/0

Tárgy féléves óraszám /

Teaching hours(sem.): 0/0/0

OKTATÁS CÉLJA / AIM OF THE COURSE

BLOCK 2: ECONOMICS COURSE OUTLINE

Instructor: Dr. Sándor Remsei

Associate Professor, Department of International and Theoretical Economics

remsei.sandor@sze.hu

website: all materials will be made available through the Moodle website of the course (login at „szelearning.sze.hu” with your EduID)

Atoms to be covered:

o Principles of Economics

▪ Foundations, basic variables and models

▪ scarcity – the fundamental problem

▪ market mechanism – demand, supply, price and the equilibrium

o Microeconomics

▪ production function

▪ costs, revenue, profits

▪ market structures - perfect competition, monopoly and oligopoly

o Macroeconomics

▪ economy models - market economy, mixed economy, the circular-flow model

▪ macroeconomic data and indicators – GDP, GNP, CPI, HDI

▪ commodity market - aggregate demand and supply

▪ labour market – groups of labour force, unemployment

▪ money market - modern money, banking system, monetary policy, inflation

o The Globalized Economy and the Automotive Industry

▪ globalization – multinational companies, international supply chain, advantages and disadvantages

▪ international trade – foundations of free trade

▪ the place and role of the students' home countries in the international supply chain, especially in the automotive industry (project task)

TANTÁRGY TARTALMA / DESCRIPTION

Péter Solymos:

Schedule of contact hours and activities:

The planned workload of the course is appr. 10 hours / student / week, evenly distributed between the topics of economics and quality management. Planning of the quality management section:

Week: 1

Format: Contact hours

Duration: 2 hrs

Topic: The organisation of quality management bodies, typical stipulated requirements towards a quality management system in the automotive supply chain and their technological background

Week: 1

Format: Contact hours

Duration: 1,5 hrs

Topic: The main processes in the automotive quality management system, their respective roles and effects on each other. The main used standards and handbooks that should be consulted for a deeper understanding of these processes and their regulation.

Week: 1

Format: Contact hours

Duration: 1,5 hrs

Topic: Group formation, preparations for the project work. Discussion of rules, tasks, choosing subject matter and first orientation about the basics. Clarifying evaluation schemes, consultation possibilities, available resources and their possible usage. Breakup into project teams and distributing assignments.

Week: 2

Format: Groupwork with online consultation

Duration: 5 hrs

Topic: Developing subject matter

Week: 3

Format: Groupwork with online consultation

Duration: 5 hrs

Topic: Developing subject matter

Week: 4

Format: Groupwork with online consultation

Duration: 3 hrs

Topic: Finalizing, developing essay (report), presentation material and evaluation criteria for the appraisal of peer groups

Week: 4

Format: Contact hours

Duration: 2 hrs

Topic: Presentations and joint evaluation, discussion of evaluations and closure.

Remsei Sandor Phd:

APPENDIX A

BLOCK 2: Economic Environment of the Automotive Industry in ... (name of a country) PROJECT TASK

Task:

Part 1:

- Map the economic characteristics of the chosen country. (GDP, labour market, money market situation, commodity market outlook, purchasing power, inflation, etc.)
- Collect data on the development of the country's heavy industry, especially the automotive industry. Examine the areas in which it is linked to global value chains and form an opinion on which areas could be more successfully exploited in a given country's factors of production.

Part 2:

- Develop two possible visions for the development of the country's automotive industry.
- Prepare PPT

Group work details:

- The project shall be solved as a Group work, with each group consisting of 3 students, each individually responsible for:

oStudent 1: Part task of 1st engineer with economic knowledge:

- collecting, processing and graphically presenting the country's macroeconomic data for 10 years

oStudent 2: Part task of 2nd engineer with economic knowledge:

- mapping and presenting data on the country's heavy and automotive industries

oStudent 3: Part task of 3rd engineer with economic knowledge:

- mapping and presenting the natural, infrastructural and human endowments of the country

oAll 3 students:

- select and nominate a Team Leader
- jointly evaluate the data and form a complex picture of the country
- jointly develop the second subtask (Part 2)
- create PPT presentation slides individually, by providing your own slides for addressing the tasks you were responsible for

Deliverable:

PPT slideshow, with all 3 students:

- make PPT slides individually
- jointly prepare the PPT for part 2
- compile the presentation

Date: week 1

Duration: 1 hr

Topic:

Opening information session:

- Description of project task
- Organisation of the week

Note:

Format: personal meeting

Location: dedicated project room

Date: week 1

Duration: 3 hrs

Topic 1: Principles of Economics

- Foundations, basic variables and models,
- scarcity – the fundamental problem
- market mechanism – demand, supply, price and the equilibrium

Note: Format: watch online videos on Moodle
test 1

Date: week 1

Duration: 3 hrs

Topic 2: Microeconomics

-production function

-costs, revenue, profits

-market structures - perfect competition, monopoly and oligopoly

Note: Format: watch online videos on Moodle
test 2

Date: week 2

Duration: 1,5 hrs

Topic 2: Consultation 1:

-questions related to topics 1 and 2

Note:

Format: personal meeting

Location: dedicated project room

Date: week 3

Duration: 3 hrs

Topic 2: Macroeconomics I.

-economy models - market economy, mixed economy, the circular-flow model

-macroeconomic data and indicators –

GDP, GNP, CPI, HDI

-commodity market - aggregate demand and supply

Note:

Format: watch online videos on Moodle
test 3

Date: week 3

Duration: 3 hrs

Topic 2: Topic 4: Macroeconomics II.

-labour market – groups of labour force, unemployment

-money market - modern money, banking system, monetary policy, inflation

Topic 4: The Globalized Economy and the Automotive Industry

-globalization – multinational companies, international supply chain, advantages and disadvantages

international trade – foundations of free trade

Note:

Format: watch online videos on Moodle
test 4

Date: week 3

Duration: 1,5 hrs

Topic: Consultation 2:

-questions related to topic 3, 4 and 5

-formation of project teams, description of project task

Note:

Format: personal meeting

Location: dedicated project room

3 hrs Project

Format: team work at home

Date: week 4

Duration: 2 hrs

Topic: Project Presentations:

-20 minutes per team + 20 minutes feedback

Note:

Format: personal meeting

Location: dedicated project room

Date: week 4

Duration: 1 hr

Topic: Short exam: students complete a comprehensive test

Note:

Format: Moodle test

Location: dedicated project room

SZÁMONKÉRÉSI ÉS ÉRTÉKELÉSI RENDSZERE / ASSESMENT'S METHOD

Lecture notes: Videos related to the topics are processed individually by the students. Finding the right focus points for each topic is aided by a guide that students find on the Moodle system. In-person consultations provide an opportunity to discuss any issues that may arise and to discuss problematic parts of the curriculum. Each learning unit ends with a self-assessment test, which must be completed by the specified date.

General aims: Students need to know the basics of how the economy works in order to place their own industry in the globalized world economy. After mastering the basics, students should be able to give a complex picture of a country's role in the automotive industry, both in terms of production and the market, in the context of a project. Elaboration and thorough knowledge of the topics are a prerequisite for the development of the project work at the appropriate level. Without it, this part of the course cannot be completed.

The videos are short and effectively process the atoms within the topics. Students will receive satisfactory answers to the questions that arise during the consultations. They will have detailed instructions and explanations for preparing the project.

Exam: During the exam, 15-20 multiple choice short questions will be asked, followed by 2-3 short calculation tasks to be performed.

Project: Students work in teams of 3 to solve a hands-on project task that explores the economic environment of the automotive industry in a given country. A detailed project description is available as an annex to this document. The teams present the results of the project in a 20-minute PPT presentation, which is evaluated by the other teams in addition to the instructor.

Evaluation: ItemWeight

Project:50%

Topic tests10%

Short Exam:40%

TOTAL:100%

Note: At least 40% must be achieved in all areas evaluated for successful completion of the molecule. If this minimum limit is not reached in an evaluation area, the molecule ends with a FAIL rating.

KÖTELEZŐ IRODALOM / OBLIGATORY MATERIAL

