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| **Title and code** of the subject: **Agricultural and environmental economics, MTMKG7024A** | **ECTS Credit Points: 3** |
| **Type** of the subject: compulsory |
| **Ratio of theory and practice:** (credit%) **70/30** |
| **Type and number of classes per semester**: 2 hour(s) lecture and 1 hour(s) practice per **semester** Number of teaching hours / week : 2+1 (lecture and practice) |
| **Type of exam**: exam |
| **Subject in the curriculum:** semester 4 |
| Preliminary requirements:- |

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| **Summary of content - theory**:  |
| Course objectives:

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1. Introduction to Environmental Economics, and Economic Growth and the Environment
2. Sustainable Development
3. The Theory of Externalities
4. Common Property Resources and Public goods
5. Resources Allocation over Time
6. Valuing the Environment
7. Ecological Economics: Basic Concepts
8. National Income and Environmental Accounting
9. Population and the Environment
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| **Summary of content - practice**: |
| Skills to be learnt: 1. Recognition of ecological crisis; To connect economic and ecological concerns of the world development
2. Knowledge on wide range of sustainability concepts
3. Examples of externalities
4. An example – the tragedy of commons; Knowledge on environmental management of public goods
5. Knowledge on role of time in management of resources
6. Tools and examples of monetary valuation
7. Knowledge on ecological economics
8. Information of environmental performance of states
9. Knowledge on dynamics of the population and insights of food demand and supply
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| **Literature, handbooks in English**  |
| **Compulsory readings:** Harris, Jonathan M. – Roach, Brian: Environmental and Natural Resources Economics: A Contemporary Approach (3rd Edition), Routledge, 2013, 584 p.**Recommended readings:** Costanza, R., Norgaard, R., Daly, H., Goodland, R., & Cumberland, J. (2007). *An Introduction to Ecological Economics (e-book)*. Available at: <http://www.eoearth.org/view/article/150045> Perman, R., Ma, Y., McGilvray, J., & Common, M. 2003. *Natural resource and environmental economics*. Pearson, 726 p.Common, M. & Stagl, S. Ecological Economics. An introduction. 2005, Cambridge University Press, 560 p. |
| **Competencies gained** *(acc. to the Regulation on training and outcome requirements)*This course provides an introduction to economic perspectives on contemporary environmental issues. We will study economic theories related to natural resources and the environment, and their application to environmental policy. The first part of the course will focus on concepts and theory, and the second part will deal with applications including population and food supply, renewable and non-renewable resources, pollution control policy, global climate change, international trade, and environmental politics. |
| 1. **Knowledge:**
* a comprehensive and fundamental knowledge of the concepts, theories, facts, national and international relations of economics with regard to relevant economic players, functions and processes.
* a clear understanding of the most relevant correlations, theories related to trade and marketing and their constituent conceptual structure.
* all the basic vocabulary of economics in their mother tongue and at least one foreign language.

*Capabilities:** follow and interpret processes in the world economy and international business, changes and their impacts in relevant professional policies and regulations concerning economic policies in the given professional areas; take all these into consideration in their analyses, proposals or decisions.
* become capable of recognizing economic, marketing and commercial issues, planning their resolutions and realizing them.
* acquire a body of knowledge to cooperate with other research areas and social-economic sub-systems.

*Attitudes:** They will be receptive to include new information, new professional know-how and methodology; open to undertaking new and independent tasks and responsibilities requiring cooperation.
* In decision-making that is unexpected or requires a complex approach, they will seek to bring a decision taking full account of regulations and ethical norms.
* They will be ready to accept others’ opinion with regard to sectoral, regional, national and European values (including societal, social, ecological and sustainability issues as well).

*Autonomy, responsibility:** They will take responsibility for their analyses, conclusions and decisions.
* They will take responsibility for the development and justification of professional viewpoints.
* They will take responsibility for compliance with professional, legal and ethical norms and rules related to their work and behaviour.
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| **Responsible lecturer: Dr. Karcagi-Kováts, Andrea** |
| **Other lecturer(s): Dr Dombi, Mihály** |

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| **Terms of course completion:** |
| 1. Completing assignments / exercises
2. Written exam
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| **Form of examination:** |
| Written exam |
| **Requirement(s) to get signature:** |
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| **Exam questions:** |
| 1. Introduction to Environmental Economics, and Economic Growth and the Environment
2. Sustainable Development
3. The Theory of Externalities
4. Common Property Resources and Public goods
5. Resources Allocation over Time
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