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| **Title** of the subject: **Water policy, water law and sectoral public administration, MTMVG7023A** | **ECTS Credit: 3** |
| **Type** of the subject: compulsory |
| **Ratio of theory and practice:** (credit%) 70/30 |
| **Type and number of classes per semester**:28 hour(s) lecture and 14 hour(s) practice per **semester** Number of classes per week: 2+1 |
| **Type of exam**: exam  |
| **Subject in the curriculum:** semester 4 |
| Preliminary requirements:- |

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| **Summary of content - theory**:  |
| In the frame of global environmental problems, students get detailed information about water related environmental issues. Students gain knowledge about the legal background of water as natural resource. In addition strategic planning and implementation in EU.1. Water related environmental problems and achievements, Global Water Framework for Action
2. Water and sustainable development, World Water Development Report
3. Availability and sustainable management of water, Action Plan by High Level Panel On Water
4. Ecosystem based management approaches for water related infrastructure solutions
5. Environment Policy in EU, Climate change and the environment, Water protection and management
6. Status of EU waters (policy context, Land use and the ecological status of EU waters, pollution and targets, EU water efficiency, vulnerability of EU waters) and related regulations
7. European Water Charter, Water Framework Directive, Flood Risk Management Guidelines for Planning Authorities, Nitrates Directive, water in law, water management
8. Quality of water intended for human consumption, requirements for the protection of the health of the general public, irrigation
9. The 2030 Agenda for Sustainable Development, 7th EAP General Union Environment Action Programme to 2020
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| **Summary of content - practice**: |
| Skills to be learnt: thinking in system approach and connect different aspects 1. Importance of water, water and environmental problems
2. Global Organisations
3. Global Organisations
4. Global Organisations
5. EU, Water Framework Directive, River Basin Plans
6. Ground water protection, Nitrate Directive
7. Sectoral administration – Nature conservation, Natura 2000
8. Sectoral administration – Soil protection
9. Sectoral administration – Air protection
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| **Literature, handbooks in English**  |
| 1. Groundwater Governance 2016. Global Framework for Action to achieve the vision on Groundwater Governance, p. 115.
2. UNESCO 2016. The United Nations World Water Development Report 2016. ISBN 978-92-3-100146-8, ePub ISBN 978-92-3-100155-0, p. 148.
3. United Nations Environment Programme 2014. Green Infrastructure Guide for Water Management: Ecosystem-based management approaches for water-related infrastructure projects. ISBN: 978-92-807-3404-1 p. 75.
4. HIGH LEVEL PANEL ON WATER 2016. Action Plan. p. 23.
5. European Commission 2014. General Union Environment Action Programme to 2020 Living well, within the limits of our planet. European Union. ISBN 978-92-79-34724-5 doi:10.2779/66315 p. 87.
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| **Competencies gained** *(acc. to the Regulation on training and outcome requirements)* |
| 1. **Knowledge:**
* know and understand the characteristics of sectoral public administration
* know and understand the different background legislations related to water and environment and able to realize existing relationships.
* get an overview of the contexts of the European Union policy.
1. **Skills:**
* cooperation in agricultural, water and environmental management and administrative tasks
* able to carry out her/his professional activity within existing legislation conditions
1. **Attitude:**
* committed to environmental protection, nature conservation and sustainable agriculture.
* legislation following behaviour.
1. **Autonomy and responsibility:**
* equal partner in the professional cooperation
* has considerable self-dependence in the field of improving comprehensive and specialized professional issues, representing and explaining professional views in the field of water and environmental management.
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| **Responsible lecturer: Dr Nikolett Szőllősi, assistant professor** |
| **Other lecturer(s): ………..., ………………….** |

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| **Terms of course completion:** |
| 1. Completing exercises
2. Giving presentation
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| **Form of examination:** |
| Colloquium |
| **Requirement(s) to get signature:** |
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| **Exam questions:** |
| 1. Make a list of water related environmental problems and explain them!
2. Make a list of public administration bodies performing agricultural and administrative tasks
3. Which kind of Agri-Environmental measures and indicators are used by OECD?
4. Why does remote sensing have a key role in nature protection? What do you mean by standard data form and formats?
5. Describe an integrated approach in the case of water protection and water related regulation system!
6. What are the principles of Revised Global Soil Charter?
7. How could environmental law address the protection of atmosphere?
8. Which gas has specific standards and why?
9. Describe Water Charter!
10. Describe Water Framework Directive!
11. Describe water related directives! What are the basis of relation between them?
12. Describe the process of Nitrate pollution in agriculture! Why is it dangerous (human body, animals, ground water relation)?
13. What is WHO? Why is it important? Describe water related activities of WHO!
14. What is IWA? Why is it important? Describe water related activities of IWA!
15. What is GWP? Why is it important? Describe water related activities of GWP!
16. What are the process and goals of Sanitation Safety Planning?
17. Make a list of 17 principles of water wise cities!
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