



JOHN WESLEY THEOLOGICAL COLLEGE

COURSE TEMATICS

|  |   |   |                                      |
|--|---|---|--------------------------------------|
| <p><b>Course:</b><br/>Water Protection &amp; Water Management</p>  | <p><b>Course type:</b><br/>Lectures &amp; seminar</p> | <p><b>Credits:</b><br/>2</p>                              | <p><b>Course ID:</b><br/>KTAK252</p> |
| <p><b>Course responsible:</b><br/>Dr. Török Liliana Paraschiva</p>   | <p><b>Programme type:</b><br/>theoretical</p>         | <p><b>Hours/Semester:</b><br/>30</p>                      | <p><b>Assessment:</b><br/>exam</p>   |
| <p style="text-align: center;"><b>Course objectives:</b></p> <p>The course objective is to give the students a wider understanding of the water distribution on Earth and to provide information on water abstraction. To develop an understanding of the main causes for water balance disturbance and problems related to the current and future challenges in water protection and water management</p>   |   |   |                                      |
| <p style="text-align: center;"><b>Competencies to be improved:</b></p> <p>Knowledge: T1, T2, T3, T6, T7<br/>Ability: K4, K5<br/>Attitude: A3, A4, A6<br/>Autonomy and responsibility: F2</p>   |   |   |                                      |
| <p style="text-align: center;"><b>Compulsory literature:</b></p> <p>Downloadable course materials provided by the lecturer in the time of the classes indicated in the timetable.</p> <p style="text-align: center;"><b>Recommended literature:</b></p> <p>Cassin J, Matthews J.H., Lopez Gunn E., (eds.), 2021. Nature-based Solutions and Water Security. An Action Agenda for the 21st Century. 462 p., <a href="https://doi.org/10.1016/C2019-0-00102-1">https://doi.org/10.1016/C2019-0-00102-1</a></p>   |   |   |                                      |
| <p style="text-align: center;"><b>Course content:</b></p> <p>I. Water Systems Distribution (freshwater, ground water, oceanic water)<br/>II. Water use and environmental pressures.<br/>III. Water quality assessment<br/>IV. Water sustainability and watershed resiliency: protection of the water source, zone of water protection, groundwater drinking water protected area, safeguard zones and water abstraction.<br/>V. Water security<br/>VI. Water Conservation strategies<br/>VII. Water management and policies on water: Nature Based Solution, Groundwater source protection measures, Management plans. Integrated Water Resources Management and implementation of management practices</p>                    |   |   |                                      |
| <p style="text-align: center;"><b>Course requirements:</b></p> <p>The requirements for students' acceptance to the exam are explained by the instructor to the students in the first lecture. The mandatory condition is to carry out a semester project.<br/>Submission of tasks for the individual activity according to the schedule received at the beginning of the semester.<br/>Exam grade can be offered based on the average grade of submitted course assignments.<br/>Final exam is a cumulative test.</p> <p style="text-align: center;"><b>Grading scale:</b></p> <p>Control test grades /Exam grades: &gt;90 points = Excellent, 80-89.9 points = Good, 65-79.9 points = Satisfactory, 50-64.9 points = Pass</p> |   |   |                                      |
| <p><b>Course Programme:</b><br/>WJLF ENVIRONMENTAL SCIENCE</p>   | <p><b>Semester:</b><br/>2024_2025_5</p>               | <p><b>Lecturers:</b><br/>Dr. TÖRÖK Liliana Paraschiva</p> |                                      |