|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Course: | | *Water Management Economics* | | | | | | | | |
| Course id:3ОАЕ8О34 | |
| Number of ECTS:4 | |
| Teacher: | | Prof. dr Tica Nedeljko, prof. dr Zekić Vladislav; MSci Dragan MIlić, Teaching Asisstant | | | | | | | | |
| Course status | | Mandatory | | | | | | | | |
| Number of active teaching classes (weekly) | | | | | | | | | | |
| Lectures:4 | | Tutorials:2 | | | Other teaching types: | | Study research work: | | Other classes: | |
| Precondition courses | | Calculations, Planning and Projecting | | | | | | | | |
| 1. Educational goal   Introduction to water industry and its branches. Learning about methodology used to assess the economic efficiency of building and using water industry objects/systems. Studying the methods of water tariffing and water industry services. Planning water industry objects/systems development. | | | | | | | | | | |
| 1. Educational outcomes   As a member of expert teams, the student can contribute to the solution of planning and utilization problems related to water industry and deal with current problems in water industry enterprises. | | | | | | | | | | |
| 1. Course content   *Theoretical instruction.* Economic characteristics and structure of water industry. Economic protection from floods and watercourse management. Economic protection from erosion and torrents. Drainage economics. Channellingsettlements and industries economics. Water industry economics. Irrigation economics. Water protection and watercourses economics. Economic aspects of regional systems construction. Water and water services tariffs. Water industry planning. Water industry financing and investment.  *Practical instruction.* Projecting practical examples of flood and draught damage assessment. Feasibility study of building some water industry objects and systems. Planning optimal production structures in drainage/irrigation. Calculating water and water services costs. Projecting planning model for the development of water industry objects and systems. | | | | | | | | | | |
| 1. Teaching methods   Lectures, video, presentations of practical examples of damage assessments, feasibility studies and development plans, field work in water industry companies and built water industry objects and systems. | | | | | | | | | | |
| Knowledge evaluation (maximum 100 points) | | | | | | | | | | |
| Pre-examination obligations | | | Mandatory | Points | | Final exam | | Mandatory | | Points |
| Lecture attendance | | | Yes/No | 10 | | *Theory exam*  *Oral exam* | | Yes | | 30  30 |
| Test | | | Yes/No | 20 | |  | | | | |
| Tutorials attendance | | | Yes/No | 10 | |
|  | | | Yes/No |  | |
| Literature | | | | | | | | | | |
| Ord. | Author | | Title | | | Publisher | | | | Year |
|  | Bajčetić M. | | Sistem vrednosti vodoprivrede | | | Prometej,Novi Sad | | | | 2010 |
|  | Bajčetić M. | | Ekonomija vodoprivrede | | | Prometej,Novi Sad | | | | 2009 |
|  | Potkonjak S | | Ekonomika vodoprivrede | | | Poljoprivredni fakultet,Novi Sad | | | | 1991 |
|  | Shaw D. | | Water Resource Economics | | | Edward Elgar Publishing,UK | | | | 2009 |
|  | Godfrey Jayne | | Water accounting | | | Edward Elgar Publishing,UK | | | | 2012 |
|  | Loucks D. et al. | | Water Resources Systems Planning and Management | | | UNESCO Publishing | | | | 2010 |
|  | Gogić P. | | Ekonomska efektivnost investiranja u hidromelioracije | | | Poljoprivredni fakultet,Zemun | | | | 2011 |