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| Course: | *Economics of Water Resources* |
| Course id: 3MAE1I04 |
| Number of ECTS: 6 |
| Teacher: | Nedeljko Tica, Todor Marković, Dragan Milić |
| Course status | Elective |
| Number of active teaching classes (weekly) |
| Lectures: 2 | Tutorials: 2 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | None |
| 1. Educational goal

Introducing students to the importance of water resources for the economy of a country. Learning about the methodology for planning the supply of and demand for water resources. Analysing the methods of assessing the effects of protecting surface and groundwater. Analysing the methods for selecting optimal technologies for protection and use of water resources. |
| 1. Educational outcomes

As members of expert teams, students take part in solving problems related to management, utilisation and protection of water resources. Working on current problems in the institutions which professionally deal with the issues related to water resources. |
| 1. Course content

*Theoretical Instruction*The fundamentals of water resource economics. Demand for water in industry (the function of demand, programming, input-output analysis). The price of urban water. Drought and reliability of the systems. The cost of urban water supply. Demand for water in agriculture (production function of water, water demand programming). Adoption of new technologies. Problems of drainage. Economics of groundwater management. *Practical Instruction*Preparation and presentation of seminar papers. Collecting independently literature and data that will be processed. Studying the programs and models used in the field of economics of water resources. |
| 1. Teaching methods

Classical lectures using LCD projector. Providing assistance during tutorials with collecting literature and making seminar papers. Presentation of well-known packages of programmes and models for making case studies. |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam  | Mandatory | Points |
| Lecture attendance | Yes/No | 10 | *Oral exam* | Yes | 30 |
| Practical work | Yes/No | 10 | Test |  | 30 |
| Seminar paper | Yes/No | 20 |  |
|  | Yes/No |  |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Bajčetić M. | Integrativnost ekonomije u vodnom (javnom) sektoru.  | Prometej,Novi Sad. | 2012 |
|  | Shaw D. | Water Resource Economics.  | Edward Elgar Publishing,UK | 2009 |
|  | Grafton Quentin | Economics of Water Resources | Edward Elgar Publishing,UK. | 2009 |
|  | Russell Cl. | The Evolution of Water Resorce Planning and Decision Making.  | Edward Elgar Pub.,UK. | 2010 |
|  | Pashardes P. et al.  | Current Issues in the Economics of Water Resource Management | Springer,UK. | 2012 |