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| Course: | **FISH FARMS** |
| Course id: 3OUV7I47 |
| Number of ECTS: 6  |
| Teacher: |  Nada P. Plavsa, Jelena B. Stanivuk |
| Course status | Elective |
| Number of active teaching classes (weekly) |
| Lectures: 3x15=45 | Practical classes: 2x15=30 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | Non |
| 1. Educational goal

The goal of course is introducing students to the characteristics of fish production (carp ponds, coldwater fish farms, geothermal water ponds) in order to be able intensive and large-scale cultivation of fish for commercial purposes. Upon completion of course, educated professionals capable of professional work and the application of technological advances in fishing production. |
| 1. Educational outcomes

The knowledge gained with bachelor's degree gives academics professional competency and skills of application of the extended knowledge of successful organizing and managing fisheries production and environmental protection. |
| 1. Course content

Theory lessonsCondition fishery in the world and in the country. Prospects for the development of fisheries. Water as an ambient environment-the quality and quantity of water required for breeding fish. Water systems. Location and construction of carp ponds. Growing fish in carp carp ponds. The technology of growing fish. New technologies of growing fish using geothermal water. Growing fish in the salmon trout ponds. Growing aquatic organisms, crustaceans, mollusks, amphibians and aquatic plants. Fish farming in the thermal waters and the aquarium. Investment maintenance of the pond. Shifts in the cultivation of agricultural crops and fishing. Management of the ponds.Practical teachingTechnical preparation for the construction of the pond. Measurement of basic physical and chemical parameters of water. The measurement of the number and amount of basic living communities in the water. Determining the depreciation ponds. Reconstruction of the pond. The technological process of production of fish. |
| 1. Teaching methods

Lectures, discussions, group work, workshops, seminars, work on projects and terms of reference for the construction of ponds, work on farms during the growing season. |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam  | Mandatory | Points |
| Lecture attendance | Yes | 5 | Written part of the exam- theory | Yes | 20 |
| Test | Yes | 30 | Oral part of the exam | Yes | 40 |
| Exercise attendance | Yes | 5 |  |
| Term paper | Yes | 10 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Ćirković, M., Branislava Jovanović, Maletin, S. | Ribarstvo | Poljoprivredni fakultet, Novi Sad | 2002. |
|  | Bogut Ivan i sar | Ribnjaci i ribogojstvo II | Poljoprivredni fakultet Osijek | 2002 |
|  | Pillay, T.W.R. | Aquaculture – principles and practices | Fishing News Books, Bleckwell Science,Oxford | 1995. |
|  | Grginčević M. Pujin V | Hidrobiologija-priručik za studente i poslediplomce | Ekološki pokret grada Novog Sada, Novi Sad | 1998 |
|  | Bogut Ivan., Novoselić Danijela., Pavličević Jerko | Biologija riba, | Poljoprivredni fakultet Osijek, Hrvatska | 2006. |
|  | Fijan Nikola | Zaštita zdravlja riba, | Poljoprivredni fakultet Zagreb | 1998 |

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| Znak univerziteta | UNIVERSITY OF NOVI SADFACULTY OF AGRICULTURE 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 8 | Znak fakulteta2 |
| Study Programme AccreditationBACHELOR ACADEMIC STUDIES Water Management |
| Table 5.2 Course specification |