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| Course: | *Irrigation of agricultural crops* |
| Course id: 7MGB9I09 |
| Number of ECTS: 6 |
| Teacher: | Professor Borivoj Pejić, Mr. Ksenija Mačkić |
| Course status | Mandatory |
| Number of active teaching classes (weekly) |
| Lectures: 3 | Practical classes: 1 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | None |
| 1. Educational goal

Education and training of students to perform irrigation properly in relation to soil properties, climate conditions and biological specifications of different cultivated plants (field crops, vegetables, fruit trees, grapevine, lawns and ornamental plants) |
| 1. Educational outcomes

Qualified engineers trained to perform successful crop production under irrigation |
| 1. Course content

Irrigation of field crops: wheat, corn, sugar beet, soybean, sunflower, alfalfa, tobacco, hop, potato. Irrigation of vegetable crops: cabbage, tomato, pepper, cucumber, watermelon, cantaloupe, lettuce, spinach, celery, parsley, carrot, beet, onion and garlic, leek, beans, peas, green beans. Irrigation of orchards and vineyards. Irrigation of meadows and pastures. Irrigation of lawns and ornamental plants. Irrigations in greenhouses. Irrigation and two harvests per year.  |
| 1. Teaching methods

Lectures, practical classes, consultations, research work |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam (izabrati) | Mandatory | Points |
| Lecture attendance | Yes |  | Oral part of the exam | Yes | 60 |
| Test | Yes | 10 |  |
| Exercise attendance | Yes |  |
| Practical exam | Yes | 30 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Stewart, B.A. and Nielsen, D.R, Editors | Irrigation of Agriculture Crops | American Society of Agronomy, Crop Science Society of America, Soil Science Society of America Publishers, Madison, Wisconsin USA  | 1990 |
|  | Lascano, R.J andSojka, R.E, Co-Editors | Irrigation of Agricultural CropsSecond edition | American Society of Agronomy, Crop Science Society of America, Soil Science Society of America Publishers, Madison, Wisconsin USA | 2007 |

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| Znak univerziteta | UNIVERSITY OF NOVI SADFACULTY OF AGRICULTURE 21000 NOVI SAD, TRG DOSITEJA OBRADOVIĆA 8 | Znak fakulteta2 |
| Study Programme AccreditationMASTER ACADEMIC STUDIES FIELD PLANT GROWING |
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