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| Course: | **The Utilization of Genetic Resources** |
| Course id:3МГО1И08 |
| Number of ECTS:6 |
| Teacher: | Full professors:dr Miodrag Dimitrijević, dr Sofija Petrović Teaching assistant: dr Borislav Banjac |
| Course status | Elective |
| Number of active teaching classes (weekly) |
| Lectures:30 | Practical classes:30 | Other teaching types:0 | Study research work:0 | Other classes:0 |
| Precondition courses | None/navesti ako ima |
| 1. Educational goal

The aim of the course is to introduce students with the concepts of biodiversity, the processes leading to its endangerment and erosion, as well as the procedures for preserving biodiversity and use value of genetic variability, especially spontaneous and local species of plants. |
| 1. Educational outcomes

Students who successfully complete course is qualified for further development through doctoral studies in the direction of conservation (inventory, storage and collection) of genetic variability, as well as scientific and professional teamwork conservation and use of biodiversity. |
| 1. Course content

Genetic resources-concept and importance. Biodiversity. Centers of origin agricultural cultures. The erosion of biodiversity. Revitalization of genetic variability. Genetic collection in the strategy of conservation of genetic variability. Gene Bank. Collecting of genotypes. Using of genetic variability in agriculture. Creating a policy of preserving biodiversity. |
| 1. Teaching methods

Lectures, Consultations, Research work. |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
| Lecture attendance | Yes | 5 | *Written part of the exam-tasks and theory+Oral part of the exam/* | Yes | 30+30 |
| Test | Yes | 3x10 |  |
| Exercise attendance | Yes | 2.5 |
| *Term paper* | Yes | 2.5 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Borojević S. | Principi i metodi oplemenjivanja biljaka | Ćirpanov, Novi Sad | 1981 |
|  | Prosperi J. M., Guy P., Bafourier F. | Ressources génétiques des plantes fourragères et à gazon | INRA, Paris, 219 | 1996 |

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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 *Genetics, plant breeding and seed production* |
| Table 5.2 Course specification |