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| Course: | *Production of medicinal, aromatic and spice plants* |
| Course id: 3МГБ1О12 |
| Number of ECTS: 6 |
| Teacher: | Ph.D. Branko Marinković, Ph.D. Jovan Crnobarac; contributors: Ph.D. Dragana Latković, Ph.D. Goran Jaćimović |
| Course status | Mandatory |
| Number of active teaching classes (weekly) |
| Lectures: 3 | Practical classes: 1 | Other teaching types: | Study research work: | Other classes: |
| Precondition courses | Agroecology and protection of the agroecosystem |
| 1. Educational goal

The aim of the course is to introduce students with basic properties of medicinal, aromatic and spice plants, with the technology and technique of cultivation, and the way of the primary processing, drying and storage of drugs. |
| 1. Educational outcomes

After completion of lectures and active work in the cultivation of medicinal, aromatic and spice plants in experimental and production conditions, the candidate will be able that in natural conditions collected, i.e. produces and prepare quality raw material for fitopreparates. The candidate will be able to analyze the success in production and to creation production technology and primary processing of medicinal, aromatic and spice plants. |
| 1. Course content

***Theoretical teaching***: On the course will be study the following medicinal, spices and aromatic plant species per family: I Fam. Apiaceae: fennel, caraway, coriander, anise, dill. II Fam. Lamiaceae: mint, lavender, lemon balm, sage, clary sage, thyme, marjoram, basil. III Fam. Asteraceae: pyrethrum, wormwood, tarragon, chamomile, calendula. IV Fam. Malvaceae: marshmallow. V Fam. Valerianaceae: valerian. VI Fam. Scrophulariaceae: woolly digitalis, purple digitalis. VII Fam. Gentianaceae: gentian. In the teaching process, special attention will be paid to the growing technologies. In addition to theoretical teaching (consultation), teaching will be held and by preparing seminar papers.***Practical exercises***: Exercises of the course will consist of practical work in the field under production conditions on actual jobs performed at a given moment. Upon completion of the exercises, students will have to write seminar papers with a detailed description: what has been done, which the failure was made and why they occurred. |
| 1. Teaching methods

Lectures, Practice/ Practical classes, Consultations |
| Knowledge evaluation (maximum 100 points) |
| Pre-examination obligations | Mandatory | Points | Final exam | Mandatory | Points |
| Activity during lectures | Yes | 10 | *Oral part of the exam* | Yes | 20 |
| Practical classes | Yes | 20 |  |
| Colloquium | Yes | 20 |  |
| Seminar papers | Yes | 15+15 |  |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | John H. Martin, Richard P. Waldren, David L. Stamp | Principles of Field Crop Production | Pearson Education Inc., Upper Saddle River, New Jersey, Columbus, Ohio, USA | 2006 |
|  | Bharat P. Singh | Industrial Crops and Uses | Fort Valley State University, Fort Valley, Georgia, USA, CAB International | 2010 |
|  | Internet sources; Thematic domestic and international journals |
|  | Lecture notes of professors and assistants |

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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 |
| Table 5.2 Course specification |