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| Course: | **BEE PRODUCT** |
| Course id: 3МST1I18 |
| Number of ECTS: 6 |
| Teacher: |  Nada P. Plavsa, Jelena B. Stanivuk |
| Course status | Elective |
| Number of active teaching classes (weekly) |
| Lectures:15x2 = 30 | Practical classes:10x2 =20 | Other teaching types:2 x5= 10 | Study research work: | Other classes: |
| Precondition courses | Beekeeping  |
| 1. Educational goal

Mastering the production of bee products (honey, propolis, royal jelly, bee venom, beeswax and bee larvae) in accordance with good beekeeping practices and principles of safe food production. |
| 1. Educational outcomes

Acquired knowledge of the student provides expertise in terms of getting the quality and quantity of valuable and very popular bee products. |
| 1. Course content

Theory lessonsHistory of bee products; Biological benefits of bee colonies and production of bee products; Technology of the production of honey, antibacterial substances in honey; Bee international source of long life and prophylaxis, Construction and technology of honeycomb wax on apiaries; technology obtaining royal jelly; Physico-chemical properties and composition of royal jelly; Keeping royal jelly;Getting and keeping pollen; Pollen as a food and as a medicine; Collection and preparation of propolis on apiaries; Chemical and physical properties of propolis; The preparation of medicinal preparations of propolis; The technological process of obtaining raw venom on apiaries; Economy of apiaries; Apitherapy in modern medicine.Practical teaching:Harvesting honey; The dissolve wax; Setting catcher of pollen in the hive; Collecting, drying and packing pollen; The process of preparing companies for the production of royal jelly; Subtraction, packaging and storage of royal jelly; Application of Electric Appliances for collecting bee poisons; Equipment and packaging for bee products; |
| 1. Teaching methods

Lectures with application of audio-visual aids, field work on apiaries, work production facilities. |
| 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 | 10 | Oral part of the exam | Yes | 40 |
| Exercise attendance | Yes | 20 |  |
| Term paper | Yes | 5 |
| Literature  |
| Ord. | Author | Title | Publisher | Year |
|  | Krivcov N. i Lebedev V. | Tehnologija proizvodnje pčelinjih proizvoda | SPOS, Beograd | 2000. |
|  | Mladenov S. i Radosavović M. | Lečenje pčelinjim proizvodima „Apiterapija“ i Osnove pčelarstva | IKOMINTELEKT, Beograd | 1997. |
|  | Erski-Biljić M. i Erski-Biljić A. | Pčelinji vosak-Apiterapija | Grafos Plasman, Beograd | 2004. |
|  | Živadinović R. | Priručnik o dobroj pčelarskoj praksi | DP Aleksinac,Lapovo | 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 Animal Production |
| Table 5.2 Course specification |