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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Sciences and MathematicsDepartment of Biology and Ecology |
| **GENERAL INFORMATION** |
| Study program  | Biology |
| Study Module (if applicable) | / |
| Course title | Animal Cell Culture |
| Level of study | ☐Bachelor ☒ Master’s ☐ Doctoral |
| Type of course | ☐ Obligatory ☒ Elective |
| Semester  |  ☐ Autumn ☒Spring |
| Year of study  | first |
| Number of ECTS allocated | 6 |
| Name of lecturer/lecturers | Stevo Najman |
| Teaching mode |  ☒Lectures ☐Group tutorials ☐ Individual tutorials ☒ Laboratory work ☐ Project work ☐ Seminar ☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Acquiring knowledge on the techniques of animal cell manipulation and its application.  |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| **Biology of the cells selected for in vitro cultivation. Organization of the cell culture laboratory, sterile techniques and equipment for cell culture laboratory. Media and supplements for cell culture. Laboratory plastic ware for cell culture cultivation and manipulation. Subcultures and cell lines. Cell cloning and caracterization. Microscopic methods in cell culture. Cultivation of special cell types. Proliferation and cytotoxic assays. Cryopreservation and storage of cell lines, good laboratory practice.** |
| **LANGUAGE OF INSTRUCTION** |
| ☒Serbian (complete course) ☐ English (complete course) ☐ Other \_\_\_\_\_\_\_\_\_\_\_\_\_ (complete course)☐Serbian with English mentoring ☐Serbian with other mentoring \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **ASSESSMENT METHODS AND CRITERIA** |
| **Pre exam duties** | **Points** | **Final exam** | **points** |
| **Activity during lectures** | **5** | **Written examination** | **20** |
| **Seminar** | **5** | **Oral examination** | **40** |
| **Teaching colloquia** | **30** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |