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| **UNIVERSITY OF NIŠ** | | | | | | |
| **Course Unit Descriptor** | | **Faculty** | | | Faculty of Sciences and Mathematics  Department of Biology and Ecology | |
| **GENERAL INFORMATION** | | | | | | |
| Study program | | | | Biology | | |
| Study Module (if applicable) | | | | / | | |
| Course title | | | | Experimental Hematology (BIODI293) | | |
| 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 | | | | Perica Vasiljević | | |
| Teaching mode | | | | ☒Lectures ☐Group tutorials ☐ Individual tutorials  ☒ Laboratory work ☐ Project work ☐ Seminar  ☐Distance learning ☐ Blended learning ☐ Other | | |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** | | | | | | |
| Acquiring basic knowledge of hemathopoesis, and pathological conditions asociated to hemathopoesis. Routine and special hematological techniques for manual and automated blood cell analysis. | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| Stem cells and hemathopoesis. Molecular regulation of hemathopoesis. Eritropoiesis. Granulopoiesis. Autoimmune hematological disorders. Hematological malignicity. Immunohematology. Blood coagulation. Stem cell biology. Gene therapy. Human and animal blood parasites. | | | | | | |
| **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** | **10** | | **Written examination** | | | **20** |
| **Seminar** | **20** | | **Oral examination** | | | **30** |
| **Teaching colloquia** | **20** | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |