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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of sciences and mathematics |
| **GENERAL INFORMATION** |
| Study program  | **Mathematics** |
| Study Module (if applicable) |  |
| Course title | Riemannian space and generalizations |
| Level of study | ☐Bachelor ☐ Master’s x☐ Doctoral |
| Type of course | ☐ Obligatory x☐ Elective |
| Semester  |  x ☐ Autumn ☐Spring |
| Year of study  | 1 |
| Number of ECTS allocated | 12 |
| Name of lecturer/lecturers | Mića Stanković |
| Teaching mode |  x☐Lectures ☐Group tutorials ☐ Individual tutorials ☐Laboratory work ☐ Project work ☐ Seminar ☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *Mastering the theory of geodesic and almost geodesic mappings of Riemannian spaces, generalized Riemannian spaces and affine connected spaces. Introduction to mappings of Kahlerian and other spaces.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Tensor analysis. Affine connected spaces. Riemannian spaces. Generalized Riemannian spaces. Kahlerian spaces. Geodesic mappings of Riemannian spaces.  Almost geodesic mappings of Riemannian and generalized Riemannian spaces. Holomorphicaly projective mappings of Kahlerian and generalized Kahlerian spaces. |
| **LANGUAGE OF INSTRUCTION** |
| x☐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** | **0** | **Written examination** | **0** |
| **Practical teaching** | **0** | **Oral examination** | **40** |
| **Teaching colloquia** | **60** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |