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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | [**Faculty of Sciences and Mathematics**](http://wpresspmf.pmf.ni.ac.rs/?lang=en) |
| **GENERAL INFORMATION** |
| Study program  | **Geography** |
| Study Module (if applicable) | Geography |
| Course title | **Geology with Petrography** |
| Level of study | ☐Bachelor ☐ Master’s ☐ Doctoral |
| Type of course | ☐ Obligatory ☐ Elective |
| Semester  |  ☐ Autumn ☐Spring |
| Year of study  | **The first year** |
| Number of ECTS allocated | **7** |
| Name of lecturer/lecturers | **Velimir Jovanovic** |
| Teaching mode |  ☐Lectures ☐Group tutorials ☐ Individual tutorials ☐Laboratory work ☐ Project work ☐ Seminar ☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| **The course aimsIntroduction to basic concepts according to geology, composition, age and history of the Earth, geotectonic theories, Rock forming and ore minerals, rocks of the lithosphere, geological maps and geological structure of Serbia.OutcomeTo enable students to identify the most important ore minerals**  |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| **ContentsTheoretical study: Geology - Basic concepts of geology as a science, Deposit and object of study, relationship with other sciences. Earth as a celestial body - shape and dimensions of the Earth, the main theories. Basic features of the Earth - Internal body, physical properties and chemical composition of the Earth's lithosphere and special. geochronology; Modern tectonic theory; Minerals; Igneous rocks; Sedimentary rocks; Metamorphic rocks; Geological maps; The geological structure of SerbiaPractical classes: ore minerals - Macroscopic identification of the most important ore minerals based on physical characteristics, their role as the ingredients of rocks and ore deposits.Order wall - structure, texture and mineral composition of igneous, sedimentary and metamorphic rocks, classification, distribution and application.Analysis of geological maps** |
| **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** | **/** | **Written examination** | **40** |
| **Practical teaching** | **/** | **Oral examination** | **60** |
| **Teaching colloquia** | **40** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |