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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** |  |
| **GENERAL INFORMATION** |
| Study program  | **Mathematics** |
| Study Module (if applicable) |  |
| Course title | Elementary geometry |
| Level of study | ☒ Bachelor ☐ Master’s Doctoral |
| Type of course | ☐ Obligatory ☒ Elective |
| Semester  | ☒Autumn Spring |
| Year of study  | 2 |
| Number of ECTS allocated | 7 |
| Name of lecturer/lecturers | Milan Zlatanović |
| Teaching mode | ☒Lectures ☐Group tutorials ☐ Individual tutorials☐Laboratory work ☐ Project work ☐ Seminar☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| ­ Introduction to the basic techniques in the elementary geometry. Student should be acquainted with importance and some applications of planimety and stereometry. ­ Practising students in solving problem tasks primarily from elementary geometry. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Parallelism. Coincidence.Triangle. Quadrangle. Circle. Polygon. Constructions level. Homothety and similarity. Selected Problems with surfaces. Geometric inequalities. Combinatorial geometry.A vector geometry. The coordinates of the vector. Operations with vectors.Elements of Trigonometry. Point, Line, Circle, guilty of second order. Polyhedra. |
| **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** | **30** |
| **Practical teaching** |  | **Oral examination** | **30** |
| **Teaching colloquia** | **40** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |