

## UNIVERSITY OF NIŠ

| Course Unit Descrip   | otor   | Faculty  | Faculty of Me   | echanical Engineeri   | ng  |  |
|---|--|--|---|---|---|--|
| GENERAL INFORMATION   |  |  | <u>.</u>  |   |   |  |
| Study Program   | Engineering Management   |  |   |   |   |  |
| Study Module (if applicable)  | Management of innovation and product development                                     |  |   |   |   |  |
| Course Title  | Success factors in product development   |  |   |   |   |  |
| Level of Study  | □Bachelor  |  | Master's 🗆 Doctoral   |   |   |  |
| Type of Course  | ☐ Obligatory   |  | ⊠ Elective  |   |   |  |
| Semester  | ⊠ Autumn   |  | ☐ Spring  |   |   |  |
| Year of Study   | I  |  |   |   |   |  |
| Number of ECTS Allocated  | 7  |  |   |   |   |  |
| Name of Lecturer/Lecturers  | Dušan S. Stamenković, Vladislav A. Blagojević, Aleksandar V. Miltenović              |  |   |   |   |  |
|   | □ Lectures   |  | roup tutorials  |   | orials  |  |
| Teaching Mode   | ☐ Laborato   | ry work 🛛 🖂 P  | roject work   | ☐ Seminar   |   |  |
|   | ☐ Distance   | learning $\square$ B   | lended learning   | ☐ Other   |   |  |
| Purpose and Overview (max. 5 ser  | ntences)   |  |   |   |   |  |
| Students get basic knowledge of org<br>design to production. Goal of succes<br>manufacturability and lightweight.   |  |  |   |   | - · · · · · · · · · · · · · · · · · · ·   |  |
| Syllabus (brief outline and summa   | ry of topics, 1  | max. 10 sentences  | )   |   |   |  |
| 1) Structure of manufacturing system and automatization work in manufand products, 4) Responsibility in t 6) Design for manufacturability in t of shape forming, 8) Technologies changing material properties, 10) L Steel and non-steel materials, 12) S assembly. | acturing, 3) P<br>the productio<br>different phas<br>of shape chall<br>ightweight. F | rroduction plants,<br>n and organization<br>ses of manufactur<br>nges, 9) Technolo<br>Reasons for lightw | production oper<br>n of production,<br>ing process. Man<br>gies of joining. C<br>eight. Definition. | ations, relationship<br>5) Design for produ<br>aufacturing techno<br>oating technologie<br>. Trends, 11) Materi | os between production uct manufacturability, , logies, 7) Technologies is. Technologies of als for lightweight. |  |
| Language of Instruction   |  |  |   |   |   |  |
| ⊠Serbian (complete course)  | ☐ Engli  | ish (complete cou  | rse) 🗆 O  | ther  | _(complete course)  |  |
| ☐ Serbian with English mentoring  | □Serbi   | an with other mer  | ntoring   |   |   |  |
| Assessment Methods and Criteria   |  |  |   |   |   |  |

| Pre exam Duties          | Points | Final Exam          | Points |
|--------------------------|--------|---------------------|--------|
| Activity During Lectures | 5      | Written Examination | 65     |
| Practical Teaching       | 0      | Oral Examination    | 30     |
| Teaching Colloquia       | 0      | Overall Sum         | 100    |

<sup>\*</sup>Final examination mark is formed in accordance with the Institutional documents