

| NAME OF THE COURSE | | Methods in teaching technics I | | | | | | |
|---|--|--|---------------|---|------------------------|----|----|---|
| Code | PMT169 | Year of study | | | 1. year graduate study | | | |
| Course teacher | Stjepan Kovačević, Assistant Professor | Credits (ECTS) | | | 6,0 | | | |
| Associate teachers | | Type of instruction (number of hours) | | | L | S | E | F |
| | | | | | 30 | 30 | 30 | |
| Status of the course | Compulsory | Percentage of application of e-learning | | | | | | |
| COURSE DESCRIPTION | | | | | | | | |
| Course objectives | Adoption of basic knowledge and skills necessary for successful planning and teaching general technological subjects in primary and secondary schools. | | | | | | | |
| Course enrolment requirements and entry competences required for the course | Requirements for admission: The subject didactic completed, the subject of pedagogy inscribed. | | | | | | | |
| Learning outcomes expected at the level of the course (4 to 10 learning outcomes) | Upon successful completion of this course students will be able to: 1. Apply the general pedagogical, didactic and psychological legality in teaching; 2. Determine and formulate a methodical unit objective; 3. Operationalize educational objective with appropriate outcomes; 4. Materialize educational outcomes with adequate educational content; 5. Write the preparation for teaching lesson; 6. Evaluate the training content of certain occupations and professions in Technology education. | | | | | | | |
| Course content broken down in detail by weekly class schedule (syllabus) | 1. Week: Definition of the teaching methodology, Technology, Technology education and teaching methodology. 2. Week: The Technology education curriculum: modern concepts - general-technical (Polytechnic) and special technical subjects. 3. Week: The educational aims and objectives, types, forms and levels of curricula, manner and places of teaching. 4. Week: Educational content selection, structuring and designing. 5. Week: Determination and formulating teaching objectives and goals. 6. Week: Planning and preparation teaching in the Technology education. 7. Week: Planning and preparing the teaching lesson. 8. Week: 1st colloquium. 9. Week: Technology subjects' curriculum in compulsory education. 10. Week: Technology subjects' curriculum in secondary schools. 11. Week: Detailed development teaching lesson preparation from in accordance with the curriculum of technology education in compulsory school. 12. Week: The teaching simulation. 13. Week: The teaching simulation. 14. Week: The teaching simulation. 15. Week: 2nd colloquium. | | | | | | | |
| Format of instruction | <input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input checked="" type="checkbox"/> exercises <input type="checkbox"/> <i>on line</i> in entirety <input type="checkbox"/> partial e-learning <input type="checkbox"/> field work | | | <input type="checkbox"/> independent assignments <input type="checkbox"/> multimedia <input type="checkbox"/> laboratory <input type="checkbox"/> work with mentor <input type="checkbox"/> (other) | | | | |
| Student responsibilities | | | | | | | | |
| Screening student work (name the proportion of ECTS credits for each activity so that the total number of ECTS credits is | Class attendance | | Research | | Practical training | 2 | | |
| | Experimental work | | Report | | (Other) | | | |
| | Essay | | Seminar essay | 2 | (Other) | | | |
| | Tests | | Oral exam | 2 | (Other) | | | |

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| <i>equal to the ECTS value of the course)</i> | Written exam | | Project | | (Other) | |
| Grading and evaluating student work in class and at the final exam | The final score derives from analysis and evaluation of seminars papers and exercises, the success achieved in the midterm's exams and discussion about the theoretical problems of Technology teaching methodology (final oral exam). | | | | | |
| Required literature (available in the library and via other media) | Title | | | Number of copies in the library | Availability via other media | |
| | Kyriacou Ch.: Temeljna nastavna umijeća, Educa, Zagreb, 2001. | | | | | |
| | Milat J.: Metodika radno tehničkog područja, Fakultet prirodoslovno-matematičkih znanosti i odgojnih područja, Split, 2009. | | | | | |
| | Milat J.: Pripremanje za nastavu – metodički priručnik, Hrvatska zajednica tehničke kulture, Zagreb, 1995. | | | | | |
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| Optional literature (at the time of submission of study programme proposal) | 1. Jensen E.: Različiti mozgovi, različiti učenici – kako doprijeti do onih koji se teško dopire, Educa, Zagreb, 2004., str.: 1 – 166. 2. Malinar B.: Metodika tehničkog i proizvodnog odgoja, Zavod za tehničku kulturu Zagreb, Zagreb, 1969., str. 1 - 266 3. Milat J.: Teorijske osnove metodike politehničkog osposobljavanja, Školske novine, Zagreb. 1990., str.: 1 – 214. 4. Terhart E.: Metode učenja i poučavanja, Educa, Zagreb, 2001., str.: 1 – 207. 5. Wood D.: Kako djeca misle i uče, Educa, Zagreb, 1995., str.: 1 - 220. | | | | | |
| Quality assurance methods that ensure the acquisition of exit competences | - Students interview; Students opinions regarding the teaching quality by anonymous surveys; Students achievement; Self-analysis. | | | | | |
| Other (as the proposer wishes to add) | | | | | | |