<table>
<tr><td>NAME OF THE COURSE</td><td colspan="5">A Methodical Informatics Seminar with Teaching Practice I</td></tr>
<tr><td>Code</td><td>PMIK51</td><td>Year of study</td><td colspan="3">GU-2</td></tr>
<tr><td>Course teacher</td><td>izv. prof.dr. sc. Ivica Boljat</td><td>Credits (ECTS)</td><td colspan="3">3,0</td></tr>
<tr><td rowspan="2">Associate teachers</td><td rowspan="2">Monika Mladenović</td><td rowspan="2">Type of instruction (number of hours)</td><td>L</td><td>S</td><td>E</td><td>F</td></tr>
<tr><td></td><td>15</td><td>30</td><td></td></tr>
<tr><td>Status of the course</td><td></td><td>Percentage of application of e-learning</td><td colspan="3">20</td></tr>
<tr><td colspan="6">COURSE DESCRIPTION</td></tr>
<tr><td>Course objectives</td><td colspan="5">Allow students to prepare, perform and analyze all types of IT teaching, mastering a variety of repertoire teaching methods, adequate media use, and preparing students for IT competitions.</td></tr>
<tr><td>Course enrolment requirements and entry competences required for the course</td><td colspan="5">Completed IMethods of teaching computer science I. The pre-requisite for the test hour is MNI1. Knowledge of didactic theories, teaching methods and the basics of computer science</td></tr>
<tr><td>Learning outcomes expected at the level of the course (4 to 10 learning outcomes)</td><td colspan="5">Students will be able to:
- create an annual plan for the Informatics subject and elaborate it for teaching units and themes
- master the diverse repertoire of the teaching model and argue for a choice of the most appropriate in the given circumstances
- use the media adequately
- Prepare a lesson based on their own experience and the results of scientific research related to the realization of this theme in teaching, focusing on students' difficulties and misunderstanding
- acquire practical skills in formative and summative evaluation (oral, written, practical, projects, portfolio)</td></tr>
<tr><td>Course content broken down in detail by weekly class schedule (syllabus)</td><td colspan="5">1. Teaching Preparation - a general model derived from didactic theories and models of teaching and the recommendation of leading theories of learning. According to this model, preparations are made for key topics such as procedural programming, object programming, data structures, databases, operating systems, word processing software packages, spreadsheets, website design, etc. (0 + 0 + 9)
2. IT Computing Tasks for Primary School Students (Infokup, HSIN ..). Graphics Corner (LOGO or Python), procedures, recursive programs, and tracking of their execution. (6 + 0 + 3)</td></tr>
<tr><td>Format of instruction</td><td colspan="3">☐ lectures
☒ seminars and workshops
☒ exercises
☐ on line in entirety
☐ partial e-learning
☐ field work</td><td colspan="2">☐ independent assignments
☐ multimedia
☐ laboratory
☒ work with mentor
☒ homework assignments</td></tr>
<tr><td>Student responsibilities</td><td colspan="5">1 - Exam - Tasks from computer competitions of elementary school students
2. 12 hours of attendance in the elementary school, 3 written preparation, 1 test and 1 test hour
3. Regularly solving IT competitions for the students of the elementary school.
4. Essay on Teaching Behavior in Primary School</td></tr>
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<tr><td>Screening student work (name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course)</td><td colspan="3"><table>
<tr><th>Name</th><th>Ects</th><th>Name</th><th>Ects</th><th>Name</th><th>Ects</th></tr>
<tr><td>Class attendance</td><td>1</td><td>Research</td><td></td><td>Experimental work</td><td></td></tr>
<tr><td>Oral exam</td><td></td><td>Report</td><td></td><td>Homework assignments</td><td>1,4</td></tr>
<tr><td>Seminar essay</td><td>0,2</td><td>Essay</td><td></td><td></td><td></td></tr>
<tr><td>Tests</td><td></td><td>Practical training</td><td>0,4</td><td></td><td></td></tr>
<tr><td>Written exam</td><td></td><td>Project</td><td></td><td></td><td></td></tr>
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<tr><td>Grading and evaluating student work in class and at the final exam</td><td colspan="3">Weekly solving of the competition tasks and exposure and / or written exams (60%), grades from the teaching practice (40%)</td></tr>
<tr><td>Required literature (available in the library and via other media)</td><td colspan="3"><table>
<tr><th>Title</th><th>Number of copies in the library</th><th>Availability via other media</th></tr>
<tr><td>Elementary school computer science textbooks</td><td>5</td><td></td></tr>
<tr><td>Tasks from IT competitions (Infokup, Hsin, HONI)</td><td>0</td><td>yes</td></tr>
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<tr><td>Optional literature (at the time of submission of study programme proposal)</td><td colspan="3"></td></tr>
<tr><td>Quality assurance methods that ensure the acquisition of exit competences</td><td colspan="3">Conversation with students, student evaluation using anonymous poll, student success, self-assessment, mentor reports, student essays</td></tr>
<tr><td>Other (as the proposer wishes to add)</td><td colspan="3"></td></tr>
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