

| COURSE TITLE | | LOGIC | | | | | |
|---|--|---|--|----|-------------------------|-----|---|
| Code | KBF123 ISVU: 82141 | Year of study | | I | | | |
| Course teacher/s | Assistant professor Ante Akrap Ph.D. | Credit (ECTS) | | 4 | | | |
| Assistants | | Type of instruction (number of hours per semester) | | L | S | E | T |
| | | | | 30 | | 15 | |
| Course status | Core course | Percentage of e-learning implementation | | | | | |
| COURSE DESCRIPTION | | | | | | | |
| Course goals | Familiarise students with the basic concepts and forms of correct reasoning and methods of cognitive science. | | | | | | |
| Course enrollment requirements and core competencies | | | | | | | |
| Expected learning outcomes at the course level (4-10 learning outcomes) | Having successfully completed the course a student should be able to: 1. Master basics in formal propositional logic. 2. Discern basic characteristics of reasonable and sound opinion. 3. Develop the skill for cooperative communication. 4. Know basic scientific theories and their applications. 5. Know basic scientific principles and research practice in the field of humanistic sciences. | | | | | | |
| Detailed course content (weekly class schedule) | Origin, definition and development of logic (2). Concept (4). Proposition (4). Exercises (4) Conclusion (8). Exercises (5) Cognition methods (1). Definition (2). Classification (1). Scientific discovery and proof (2). Exercises (2) Colloquium Research and presentation (1). Problem, hypothesis, verification (2). Propositional logic (7). Exercises (4). Logic, philosophy, science (2). | | | | | | |
| Format of course instruction: | <input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> exercises | | <input type="checkbox"/> mentorship work <input type="checkbox"/> (other) | | | | |
| Student obligations | Class attendance and participation in the teaching programme. | | | | | | |
| Screening student work (specify portion in ECTS) | Class attendance | 1,0 | Research | | Practical training | 1,0 | |
| | Experimental work | | Written representation | | Logical problem solving | | |

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| credits per each activity so that total | Essay | | Seminar essay | | (Other) | |
| number of ECTS credits corresponds to the ECTS credit value of the course) | Mid-term exams | 1,0 | Oral exam | 1,0 | (Other) | |
| | Written exam | | Project | | (Other) | |
| Grading and evaluation of student work in class and at the final exam | <p>Activity in lectures 20%. Individual tasks 20% Mid-term exam 30% Final exam - 40% (oral and/or written)</p> <p>The mid-term exam is held in the 8th or 9th week of classes</p> <p>The numerical scale of student work evaluation is based on 10 points: - insufficient (1): 0-4.9 points - sufficient (2): 5.0-6.4 points - good (3): 6.5-7.9 points - very good (4): 8-9 points - excellent (5): 9-10 points</p> <p>How to earn points: Teaching activities - 20% of the grade 1.) Active participation of students in discussions and independent analysis of individual philosophical issues. 2.) Independent assignments 20% grade 3.) Mid-term exam 30% grade 4.) Final exam - 40% of the grade. The final exam is written or oral and in order to pass it is necessary to answer 50% of the questions correctly.</p> | | | | | |
| Obligatory literature (available in the library or via other media) | Title | | | | Number of copies in the library | Availability via other media |
| | A. N. Prior, <i>Historija logike</i> , Naprijed, Zagreb, 1970., pp. 9 - 30; 87-216. | | | | 1 | |
| | Srećko Kovač- Berislav Žarnić, <i>Logička pitanja i postupci</i> , Kruzak, studeni 2008. | | | | | |
| | I. A. Kalužnin, <i>Što je matematička logika</i> , ŠK, Zagreb, 1975. | | | | | |
| | S. Haack, <i>Filozofija logika</i> , Biblioteka Scopus, Zagreb, 2005. | | | | | |
| | M. Jakić, <i>Logika 1 - za prvostupničku razinu sveučilišnog obrazovanja</i> , ŠK., Zagreb 2008. | | | | | |
| Supplementary literature | <p>G. Frege, <i>Osnove aritmetike i drugi spisi</i> (odabrali i preveli: F. Grgić - M. Hudoletnjak Grgić, Kruzak, Zagreb, 1995., pp. 9-225. B. Čirković, <i>Uvod u matematičku logiku i teoriju rekurzivnih funkcija</i>, Zagreb, 1996., pp. 11-101.</p> | | | | | |
| Quality assurance methods aimed at ensuring the acquisition of defined learning outcomes | <p>Monitoring attendance and performance of other student obligations (teacher)</p> <p>Supervision of teaching (vice dean for teaching)</p> <p>Analysis of study success in all study subjects (vice dean for teaching)</p> <p>Student survey on the quality of teachers and teaching for each subject (UNIST, Center for Quality Improvement)</p> <p>The exam conducted by the subject teacher checks all learning</p> | | | | | |

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| | outcomes of the subject. The content of the exam is periodically checked, on the basis of which the appropriateness of the method of checking the learning outcomes is determined (vice dean for teaching) |
| Other (according to the opinion of education provider) | |