

| NAME OF THE COURSE | | Macrozoobenthos of the Karst Streams | | | | |
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| Code | PPB266 | Year of study | 3 | | | |
| Course teacher | Associate Professor Biljana Apostolska, PhD | Credits (ECTS) | 2 | | | |
| Associate teachers | | Type of instruction (number of hours) | L | S | E | F |
| | | | 15 | 15 | | |
| Status of the course | Elective | Percentage of application of e-learning | 10% | | | |
| COURSE DESCRIPTION | | | | | | |
| Course objectives | <ul style="list-style-type: none"> - to understand the ecology of freshwaters - to understand the origin of karst rivers - distribution and karst rivers in Croatia - abiotic and biotic parameters - macroinvertebrates and their role in karst rivers - biotic indices - the protection | | | | | |
| Course enrolment requirements and entry competences required for the course | There are no entry competencies | | | | | |
| Learning outcomes expected at the level of the course (4 to 10 learning outcomes) | <p>Students will be able to:</p> <ol style="list-style-type: none"> 1. to understand and find a connection between abiotic and biotic parameters with macroinvertebrates in karst rivers 2. to explain the differences between karst rivers and other freshwaters 3. to explain the longitudinal and seasonal changes in karst rivers 4. to recognise and determine the main groups of macroinvertebrates 5. to explain what are bioindicators 6. how to use biotic indices 7. what are the problems in protection of those habitats | | | | | |
| Course content broken down in detail by weekly class schedule (syllabus) | <p>Lectures: / Seminars:</p> <ol style="list-style-type: none"> 1. Freshwater habitats – ecology, origin and distribution 2. Abiotic and biotic parameters 3. Freshwater fauna-overview 4. Macrozoobenthos 5. Biotic indices 6. Protection | | | | | |
| Format of instruction | <input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input 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 (<i>name the</i> | Class attendance | | Research | | Practical training | |

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| <i>proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course)</i> | Experimental work | | Report | | (Other) | |
| | Essay | | Seminar essay | 1,0 | (Other) | |
| | Tests | | Oral exam | 1,0 | (Other) | |
| | Written exam | | Project | | (Other) | |
| Grading and evaluating student work in class and at the final exam | Oral exam and seminar presentation | | | | | |
| Required literature (available in the library and via other media) | Title | | | Number of copies in the library | Availability via other media | |
| | Paul S. Giller and Björn Malmqvist (1999) The Biology of Streams and Rivers | | | 1 | | |
| | Ivo Matoničkin, Zlatko Pavletić (1972) ŽIVOT NAŠIH RIJEKA: Biologija tekućih voda | | | 1 | | |
| | Campaoli, S., Ghetti, P.F., Minelli, A., Ruffo, S. (1994): Manuale per il riconoscimento dei macroinvertebrati delle acque dolci Italiane. Von Trento. Vol. I | | | | | |
| | Campaoli, S., Ghetti, P.F., Minelli, A., Ruffo, S. (1999): Manuale per il riconoscimento dei macroinvertebrati delle acque dolci Italiane. Von Trento. Vol. II | | | | | |
| | Erben, R., Leiner, S. (1997): Vode tekućice i njihov živi svijet II. Hrvatska vodoprivreda. | | | 1 | | |
| | Giller P. S., Malmquist, B. (1998): The biology of streams and rivers. Oxford University Press, Oxford. | | | | | |
| | Kerovec, M. (1986): Priručnik za upoznavanje beskralježnjaka naših potoka i rijeka. Sveučilišna naklada Liber, Zagreb. | | | 1 | | |
| Optional literature (at the time of submission of study programme proposal) | Štambuk – Giljanović, N. (2002): Vode Cetine i njezina poriječja. Zavod za javno zdravstvo Splitsko – dalmatinske županije, Split. Tedeschi, S. (1997): Zaštita voda. Sveučilišna tiskara, Zagreb | | | | | |
| Quality assurance methods that ensure the acquisition of exit competences | Students questionnaires, consultations and other evaluation of professor lectures | | | | | |
| Other (as the proposer wishes to add) | | | | | | |