|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the coarse**  *Micropalaeontology – all-academic profile* | | | **ECTS code** |
| **Name of the leading institution**  *Institute of Biology* | | | |
| **Study description**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Faculty** | **level** | **Type of study** | **Speciality** | **specialization** | | *Biology* | *II* | *stationary* | *palaeobiology* |  |   \*the name follows the accepted catalogue of faculties and specializations | | | |
| **Name/-s of a teacher/-s**  dr hab Mariusz Kędzierski, Associate Professor | | | |
| **Type of course, way of realization and amount of hours** | | | **ECTS credit points: 4**  Contact hours  - lecture participation: 15 x 1h = 15h  - laboratory participation: 15 x 1h = 15h  - consultations: 1 x 1h = 1h  All: 31 h = 2 cp ECTS  Individual student work  - preparation to the laboratory: 15 x 1h=15h  - preparation to the test at the laboratory:10 x 1h = 10h  - preparation to the final credit and participation: 5h  All: 30 h = 2 cp ECTS  Lec (2cp ECTS) + Lab (2 cp ECTS) |
| **A.** **Type of study**   * *lecture (L)* * *laboratory (Lab)* | | |
| **B.** **way of study**   * *laboratory and lecture room* | | |
| **C.** **number of hours**  15L + 15Lab = 30 | | |
| **Module**   * *specialisation module - obligatory* | | **Language**  English | |
| **Didactic methods**   * *multimedial lecture* * *laboratory: recognizing of fossils, work in group, discussion reports* | | **Conditions to get credits for:** | |
| **A. Way of final evaluation:**   * *Lecture:* ***exam with a grade****/ without grade* * *Laboratory:* ***credit with a grade****/ without grade* | |
| **B. Form of testing:**   * *lecture: open test* * *laboratory: a grade based on the participating, activity and short tests after each topic-module* | |
| **C. Basic criteria**  *L: minimum 50% of the available score in exam*  *Lab: minimum 50% of the available score in credit tests* | |
| **Necessary knowledge from listed below subjects and the preliminary conditions**  ***A.*** *Formal conditions: none*  ***B.*** *Preliminary conditions: ability to use the microscope* | | | |
| **Goal**  *To provide a general information concerning the main groups of microfossils important for geological and palaeoenvironmental studies. The labs will cover description of methods of their acquisition and sampling, preparation techniques, methods of observation and recognition and their basic applications in Earth sciences.* | | | |
| **Content:**  ***A.*** *Lecture: overview of the most important group of microfossils, examples of their use in stratigraphy and palaeoecological analysis*  ***B.*** *Laboratory: identification of microfossils as well as practical use biostratigraphical and palaeoecological methods* | | | |
| **Literature**  **A. obligatory literature:**  ***A1. used during lectures and laboratory sessions***  *Haq, B.U., Boersma, A., 1998: Introduction to Marine Micropaleontology. Elsevier, 375 pp.*  ***A2. Literature for self-study***  *Haq, B.U. & Boersma, A. (eds.), 1978. Introduction to marine micropaleontology. Elsevier, New York. 376 pp.*  **B. additional literature**  *Marine Micropaleontology, Micropaleontology and similar journals (selected articles)* | | | |
| **Effects of education** | **Knowledge**  K\_W06\_ describes the mutual relationship between the organism and the environment \_P7S\_WG  K\_W11\_ has in-depth knowledge of the selected specialty of biological sciences \_P7S\_WG  K\_W14\_ uses advanced statistical tools adequate to the problems of the specialty of biological sciences studied \_P7S\_WG | | |
| **Skills**  K\_U05\_ uses statistical methods and IT techniques and tools to describe biological phenomena and analyze specialized statistical data \_P7S\_UW  K\_U06\_ uses the acquired specialist knowledge to interpret the collected empirical data and present conclusions \_P7S\_UW | | |
| **Social competencies**  K\_K03\_ responsible for the equipment and own work and respects the work of others \_P7S\_KR  K\_K06\_systematycznie aktualizuje wiedzę biologiczną i informacje o jej praktycznych zastosowaniach \_P7S\_KK | | |
| **Contact**  *E-mail or phone:*  *M. Kędzierski:*[*mariusz.kedzierski@uj.edu.pl*](mailto:mariusz.kedzierski@uj.edu.pl) | | | |