

|   |                |                             |  |                     |                |          |
|---|----------------|-----------------------------|--|---------------------|----------------|----------|
| <b>Course title</b>   |                | <b>ECTS code</b>            |  |                     |                |          |
| Seminar I - Experimental publications in molecular biology and biotechnology (KB)   |                | 13.1.0236                   |  |                     |                |          |
| <b>Name of unit administrating study</b>  |                |                             |  |                     |                |          |
| University of Gdańsk  |                |                             |  |                     |                |          |
| <b>Teaching staff</b>   |                |                             |  |                     |                |          |
| dr Anna Ihnatowicz; dr Joanna Nakonieczna   |                |                             |  |                     |                |          |
| <b>Studies</b>  |                |                             |  |                     |                |          |
| faculty   | field of study | type                        | form   | specialty           | specialization | semester |
| Intercollegiate<br>Faculty of<br>Biotechnology UG-<br>MUG   | Biotechnology  | second tier studies<br>(MA) | full-time  | all                 | all            | 1        |
| <b>Forms of classes, the realization and number of hours</b>  |                |                             |  | <b>ECTS credits</b> |                |          |
| <b>Forms of classes</b>   |                |                             |  | 5                   |                |          |
| Seminarium (to translate)   |                |                             |  |                     |                |          |
| <b>The realization of activities</b>  |                |                             |  |                     |                |          |
| lectures in the classroom   |                |                             |  |                     |                |          |
| <b>Number of hours</b>  |                |                             |  |                     |                |          |
| Seminarium (to translate): 30 hours   |                |                             |  |                     |                |          |
| <b>The academic cycle</b>   |                |                             |  |                     |                |          |
| 2013/2014 winter semester   |                |                             |  |                     |                |          |
| <b>Type of course</b>   |                |                             | <b>Language of instruction</b>   |                     |                |          |
| - elective (to translate)<br>- obligatory   |                |                             | english  |                     |                |          |
| <b>Teaching methods</b>   |                |                             | <b>Form and method of assessment and basic criteria for evaluation or examination requirements</b>   |                     |                |          |
| - multimedia presentations prepared by the students, consult with the teacher<br>- ćwiczenia audytorijne - analiza tekstów z dyskusją (to translate)<br>- ćwiczenia audytorijne - dyskusja (to translate)   |                |                             | <b>Final evaluation</b>  |                     |                |          |
|   |                |                             | Zaliczenie na ocenę (to translate)   |                     |                |          |
|   |                |                             | <b>Assessment methods</b>  |                     |                |          |
|   |                |                             | - ustalenie oceny zaliczeniowej na podstawie ocen cząstkowych otrzymywanych w trakcie trwania semestru (to translate)<br>- wykonanie pracy zaliczeniowej - projekt lub prezentacja (to translate)  |                     |                |          |
|   |                |                             | <b>The basic criteria for evaluation</b>   |                     |                |          |
|   |                |                             | Each of the mentioned learning outcomes will be assessed. Students must obtain at least satisfactory grade for each assessed learning outcome. The final grade will be established on the basis of observing students' work during the semester (record of grades: ability to participate in a discussion, formulate questions, active participation) and the constituent grades obtained for multimedia presentations (assessment of contents value, selection of contents and illustrations, presentation style, language correctness and adequate terminology). |                     |                |          |
| <b>Required courses and introductory requirements</b>   |                |                             |  |                     |                |          |
| <b>A. Formal requirements</b>   |                |                             |  |                     |                |          |
| <b>B. Prerequisites</b>   |                |                             |  |                     |                |          |
| Knowledge, skills and competences acquired in the course of the first - cycle studies in the field of Biotechnology at IFB UG/MUG or identical learning outcomes obtained in a related field of study   |                |                             |  |                     |                |          |
| <b>Aims of education</b>  |                |                             |  |                     |                |          |
| The course aim is:<br>Acquisition by students of knowledge concerning current scientific problems connected with functional genomics, modern methods of mapping genes underlying human traits and diseases, issues concerning genotype-environment interactions and the significance of these issues in biotechnology (K_W03) |                |                             |  |                     |                |          |

|  |   |
|--|---|
| <p>Acquisition of the level of English that will allow them to understand an utterance and read with understanding the literature concerning the discussed issues and prepare an oral and multimodal presentation concerning these issues (K_U03)</p> <p>Acquisition of an ability to use scientific language, including specialist terminology and notional apparatus suitable for the conducted research (K_U06)</p> <p>Acquisition of an ability to prepare and make in English a short oral presentation and to participate in a discussion (K_U07)</p> <p>Students will acquire teamwork competency and an ability to work jointly on theoretical reviews (K_K02)</p> |   |
| <p><b>Course contents</b></p> <p>The course covers issues connected with functional genomics, modern methods of mapping genes underlying human traits and diseases and issues concerning genotype-environment interactions described in the current scientific work.</p>   |   |
| <p><b>Bibliography of literature</b></p> <p>Each year the course tutor selects a set of papers as the subject matter of the seminar. Some literature is proposed by students.</p>  |   |
| <p><b>The learning outcomes</b></p> <p>K_W03</p> <p>K_U03</p> <p>K_U06</p> <p>K_U07</p> <p>K_K02</p>   | <p><b>Knowledge</b></p> <p>K_W03 - Possesses knowledge in the field of selected issues currently discussed in biotechnological literature and problems concerning related scientific areas and disciplines significant for biotechnology</p>  |
|  | <p><b>Skills</b></p> <p>K_U03 Knows the English language to an extent that allows him/her to understand an utterance and read with understanding scientific literature and simple reviews in the fields of science and scientific disciplines connected with biotechnology; can prepare a short written review and an oral presentation in English, concerning particular issues of biotechnology and related scientific areas and disciplines.</p> <p>K_U06 Uses scientific language, including specialist terminology and notional apparatus proper for biotechnology and related areas and disciplines</p> <p>K_U07 Can prepare and present in Polish and/or English a short oral presentation concerning particular issues in the field of biotechnology and related areas and disciplines; has an ability to participate in a discussion</p> |
|  | <p><b>Social competence</b></p> <p>K_K02 Has an ability to work in a team, in particular, while performing laboratory work or preparing theoretical reviews within the field of biotechnology and related scientific areas and disciplines</p>  |
| <p><b>Contact</b></p> <p>ihnadowicz@biotech.ug.edu.pl</p>  |   |