

## SYLLABUS

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| Topic of the course   | <b>Practical and ethical aspects of doing science and publishing</b>  |
| Institution where the course will take place                | Institute of Bioorganic Chemistry Polish Academy of Sciences  |
| Language  | English   |
| Learning objectives   | Ph.D. student: <ol style="list-style-type: none"> <li>1. will gain knowledge about the ethical aspects of scientific work and will have the opportunity to discuss them,</li> <li>2. will have increased awareness of good practices and the responsibility in science</li> <li>3. will gain knowledge about publishing</li> <li>4. will be provided with some tips and resources for planning experiments, results analysis and their presentation.</li> </ol> |
| Type of the course  | Facultative   |
| Semester/Year   | 2nd semester 2025/2026  |
| Name of the lecturer  | Agnieszka Fiszer  |
| Name of the examiner  | Agnieszka Fiszer  |
| Teaching methods  | Seminars: Lectures with elements of a workshop  |
| Admission requirements                                      | English language  |
| Number of ECTS points                                       | 2 ECTS  |
| Number of lectures  | 6 x 2 lecture hours   |
| Didactic methods  | Lectures and discussions  |
| Methods of verification and assessment of learning outcomes | Written exam and individual discussion of the examination work  |
| Conditions of a positive evaluation                         | A passing grade on the exam   |
| Course content  | <ol style="list-style-type: none"> <li>1. Ethical code for scientists</li> <li>2. Planning of the experiments</li> <li>3. Publishing of scientific data</li> <li>4. Preparing a publication manuscript</li> <li>5. Analysis and graphical presentation of data</li> <li>6. Communication of science to society</li> </ol>   |
| Literature and the course materials                         | <ol style="list-style-type: none"> <li>1. "Doing science – design, analysis, and communication of scientific research" Ivan Valiela, Oxford University Press</li> <li>2. "Code of ethics for researchers" Committee on Ethics in Science PAS</li> </ol>   |