

<b>Course title in English</b>	<b>Bioassay. Theory and Practice</b>
Course title in Polish	Ocena biologicznej aktywności związków. Teoria i praktyka
Course code	
Type of course	Lecture
Level of course	PhD
Year of study	1-4
Semester/trimester	2/4/6/8
Number of hours/credits allocated	15/1
Name of lecturer	Adam Lesner
Objective of the course (expected learning outcomes and competences to be acquired)	<p><i>Knowledge:</i> Ability to describe the basis of selected bioassays. Ability to create the simple bioassay based on type of compounds and instruments.</p> <p><i>Skills:</i></p> <p>Able to use a proper biochemical and chemical terminology. Able to critical analysis of scientific literature in terms of bioassay selection and results.</p> <p><i>Social competence:</i></p> <p>understands the need for continuous learning</p> <p>has the awareness of a critical analysis of his own work</p>
Prerequisites	Positive mark: Biochemistry, macromolecules, organic chemistry
Course contents	Bioassay definition: aims and methodology. Overview of variety of bioassays including cytotoxicity, proliferation, permeability, binding, antimicrobials ect.

	Interpretation of the results. Examples of statical analysis.
Recommended reading	Selected papers from last ten years focused on the lecture contents.
Teaching methods	Lecture supported by power point presentation
Assessment methods	Presentation/assay
Language of instruction	Polish