

Training Program
for
Doctoral School of Molecular Biology and Biological Chemistry

Organized by the **Institute of Biochemistry and Biophysics PAS**,
in the field of natural sciences in disciplines:

- 1: **Biological sciences**
2: **Chemical sciences**

Name of the subject	Type of course	Courses workload		Type of assessment	Learning outcome ¹
		required	elective		
Lectures in biological or chemical sciences ²	series of lectures	30h		exam	W01,W02,W05, U01,U02,U03, K01,K02,K03,K9,K10, K11
Interdisciplinary lectures ²	series of lectures		15h	attendance credit	W01,W02,W05, U01,U03, K01,K02,K03,K9,K10, K11
Statistical methods in experimental sciences	lectures/practical training	15h		attendance credit	W06, U04,U07, K03,K04,K05
Training in the field: <ul style="list-style-type: none"> • raising funds for scientific research • commercialization of research results 	series of lectures / workshop	15h		attendance credit together with submission of application for minigrant;	W04,W07,W08,W09,W12 U03,U04,U05,U07, K01 K02,K04,K05,K06,K07

<ul style="list-style-type: none"> • ethical (including scientific integrity) and legal aspects of research • scientific career options – formal and customary aspects • knowledge dissemination across media 				preparation of the application for external funds (e.g. NCN, NAWA) is recommended –to be approved by the promoter ³	
Introduction to philosophy			15h	attendance credit	W01, U01, K01, K03
English language ⁴	English language	60h (2 semesters)		attendance credit	W05, U04,U05, K01
Occupational Health and Safety (OHS) Course ⁵		2h			W10, K08
Doctoral institutional seminars ⁶ and Institutional seminars ⁷	series of seminars	50h		attendance credit	W01,W02, W03, U01,U03,U04, U06, U07, K01,K02,K03,K04,K09, K10,K11
Reporting session ⁸	symposium	6h			W01,W02,W05, U01,U02,U04 K01,K03

The Program includes 148 hours of compulsory courses, including 30h of elective ones and additionally an English language course (at least two semesters) obligatory for PhD students with lower language skills.

It is recommended to implement the Training Program during the first three years of education at the Doctoral School.

The Program covers didactic courses only. It does not include the entire amount of time required to accomplish the doctoral project which is set by the supervisor together with the doctoral student.

¹ Learning outcome measures are in accordance with the requirements of level 8 of the Polish Qualification Framework described in details in the Act of Law from December 22, 2015.

² The PhD student is obliged to attend (i) lectures (30h) as well as to pass the related final exam in the discipline in which the doctoral dissertation is carried out and (ii) elective lectures (15h) in a selected discipline other than the one in which the doctoral dissertation is carried out / interdisciplinary lectures. Lectures provided by other scientific institutions may also be selected by the PhD student after approval by his/her supervisor.

³ Application for funding has to be accompanied by the opinion of the supervisor – see Attachment No 2.

⁴ The English language course is obligatory for candidates who received a score of less than 70% points during the English language entrance examination. The course should be continued until the language competence of the PhD student improves.

⁵ The Occupational Health and Safety (OHS) Course is organized during the first three months of education at the Doctoral School. OHS training specific for the doctoral project requirements is conducted by the supervisor or a person appointed by him prior to the experiments.

⁶ The PhD student is obliged to attend (50% attendance) the doctoral institutional seminars for at least 2 years as well as to present his/her own results (single presentation after mid-term evaluation).

⁷ The PhD student is obliged to attend the institutional seminars (25% attendance) for at least 2 years.

⁸ At least once during the training in the Doctoral School each PhD student is obliged to participate in the annual reporting session of the School and present his/her own results (during the third year).

Attachment No 2

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date

Opinion of the supervisor on the project prepared by the PhD student

This is to express my positive opinion on the application for
(type of project, e.g. Preludium, NAWA)

submitted by
name and surname of the PhD student

I hereby accept the content of this application and declare cooperation with the PhD student with respect of the implementation of the project.

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signature of the supervisor