

Framework doctoral training program
at the Poznan University of Technology Doctoral School

§ 1

1. Framework doctoral training program at the doctoral school aims at obtaining learning outcomes for qualifications on the level 8 of the Polish Qualifications Framework (PQF) in order to be awarded PhD title. It also prepares for research, research – developmental and didactic work.
2. As a result of education in the doctoral school the following learning outcomes are achieved:
 - in terms of knowledge
a person who graduated from doctoral school knows and understands:
 - a) to the extent that enables revision of existing paradigms - global achievements, covering theoretical basis as well as general and selected specific issues, that are relevant to scientific disciplines studied at the doctoral school,
 - b) key developmental trends of science disciplines in which education takes place at the doctoral school,
 - c) scientific research methodology in disciplines represented at the doctoral school,
 - d) regulations of promoting scientific activity results, also in an open access mode,
 - e) fundamental dilemmas of the contemporary civilization,
 - f) economic, legal, ethical and other vital conditions related to scientific activity,
 - g) basic conditions of the knowledge transfer to the economic and social sphere as well as commercialization of the results of scientific activities and know-how related to these results.
 - in terms of skills
a person who graduated from doctoral school can:
 - a) use the knowledge from different branches of science to creatively identify, formulate and to innovatively solve complex problems or to execute research tasks in particular:
 - define the aim and subject of scientific research, form a research hypothesis,
 - develop research methods, techniques and tools and use them creatively,
 - draw conclusions on the basis of research results,
 - b) critically analyze and assess scientific research results, work of experts and other creative activities together with their contribution into the knowledge development,
 - c) transfer the results of scientific activity to the economic and social sphere,
 - d) communicate on specialist issues on the level that allows active participation in the international scientific community,
 - e) share results of scientific activity also in a popular form,
 - f) initiate debates and take part in scientific discourse,
 - g) use English language at least on B2 level according to the Common European Framework of Reference for Languages (CEFR) on the level that allows active participation in the international scientific and professional community,

- h) plan and conduct individual and team research projects, also in the international community,
 - i) plan and act for self-development on their own as well as inspire and organize development of others,
 - j) plan classes and groups of classes and conduct them with the use of up-to-date methods and tools;
- in terms of social competencies a person who graduated from doctoral school is ready to:
 - a) acknowledge of the importance of knowledge in solving cognitive and practical problems,
 - b) critically assess the achievements within a given scientific discipline,
 - c) critically evaluate his/her own contribution to the development of a given scientific discipline,
 - d) initiate actions in the public interests,
 - e) think and act business-like,
 - f) maintain and develop the ethos of research and creative communities, including:
 - conducting independent scientific activity,
 - respecting the principle of public ownership of the results of scientific activities, including the principles of intellectual property protection.
3. Learning outcomes are achieved as a result of:
- a) implementing individual study program,
 - b) implementing individual scientific plan,
 - c) being a part of doctoral school academic community and taking part in different forms of activities organized by the school,
 - d) participating in the life of academic community – on national and international level.

§ 2

1. During education in doctoral school a PhD student is required to pursue:
 - 1.1. Individual scientific plan prepared together with doctoral thesis supervisor,
 - 1.2. Educational program and obtain at least 47 ECTS points.
2. Framework doctoral training program (Att. 1) and detailed list of obligatory subjects, elective monographic lectures and other classes pursued at the Poznan University of Technology in the given academic year, together with corresponding number of ECTS points, that constitute grounds to design (for each PhD students) individual training program, will be available on the website at least one month prior to the beginning of the academic year.
3. Execution of framework doctoral training program is presented in the Doctoral Training Program Sheet (Att. 2).