

## Module of individual research plan

Description of learning outcomes - the characteristic of I and II stage  
for qualifications at Level 8 of the Polish Qualifications Framework

SYMBOL EUS	LEARNING OUTCOMES
<b>KNOWLEDGE</b>	
P8U_W1	knows and understands the world's achievements in science and the arts and the resulting implications of this for practice
P8S_WG1	knows and understands at the level enabling the revision of existing paradigms - the world's achievements relating to: theoretical foundations, general and selected specific issues - proper for the scientific disciplines represented in the Doctoral School
P8S_WG2	knows and understands the main scientific developments in the scientific disciplines in which education takes place
P8S_WG4	knows and understands the principles of disseminating results of research activity, also in the open access mode
P8S_WK3	knows and understands the basic principles of transfer of knowledge to the economic and social sphere and commercialization of results of scientific activity and know-how related to these results
<b>SKILLS</b>	
P8U_U1	is able to analyze and creatively synthesize scientific and creative achievements to identify and solve research problems as well as those related to innovative and creative activities; contribute new elements to these achievements
P8U_U2	is able to independently plan one's own development as well as inspire the development of others
P8U_U3	is able to participate in the exchange of experiences and ideas, also in the international activity
P8S_UW1	is able to use knowledge from different scientific fields to creatively identify, formulate and innovatively solve complex problems or perform research activities, especially: to define the aim and subject of the research, formulate a research hypothesis, develop research methods, techniques and tools and use them creatively, draw conclusions on the basis of research results
P8S_UW2	is able to critically analyze and evaluate the results of scientific research, expert activities and other works of creative character and their contribution to the development of knowledge
P8S_UW3	is able to transfer the results of research work to the economic and social sphere
P8S_UK1	is able to communicate on specialist topics to the extent that enables active participation in international scientific community
P8S_UK2	is able to disseminate the results of research activity, also to the general public
P8S_UK3	is able to initiate debates and participate in scientific discourse
P8S_UK4	is able to use a foreign language at the B2 level according to the Common European Framework of Reference for Languages at the level that enables participation in international scientific and professional community
P8S_UO	is able to plan and implement one's own and a team's research or creative work, also in the international community
P8S_UU1	is able to independently plan and act for one's own development as well as to inspire and organize the development of other people
<b>SOCIAL COMPETENCE</b>	
P8U_K1	is ready to conduct independent research expanding the existing scientific and creative achievements
P8U_K2	is ready to assume challenges in professional and public sphere, taking into consideration their ethical dimension and responsibility for their results and develop models of good practice in such situations
P8S_KK	is ready to critically evaluate the achievements of one's scientific discipline, critically evaluate one's contributions to the development of that field, recognize the value of knowledge in solving cognitive and practical problems
P8S_KO	is ready to fulfill the social obligations of a researcher, initiate activities on behalf of the public interest, think and act in an enterprising manner
P8S_KR	is ready to uphold and develop the ethos of research and artistic communities, including conducting research in an independent manner, respecting the principle of the public ownership of the results of scientific activity, taking into account intellectual property rights