

## Doctoral studies program

Educational outcomes for doctoral studies in Physics, Astronomy or Biophysics	
No.	After completing doctoral studies in Physics, Astronomy or Biophysics, a graduate accomplishes the following educational outcomes
<b>Knowledge</b>	
W01	Has extended knowledge of the most important theories and concepts in the field of physical sciences
W02	Knows the most important and the latest scientific achievement from the field of Physics/Astronomy/Biophysics
W03	Understands the methodology, structure and history of development of Physics/Astronomy/Biophysics
W04	Has detailed knowledge of the area of Physics/Astronomy/Biophysics their doctoral thesis is related to, as well as of relevant bibliography
W05	Knows how to use the tools of theoretical/experimental/observational Physics, including the apparatus of higher Mathematics and computer sciences to describe physical processes and solve problems
<b>Skills</b>	
U01	Can independently collect literature devoted to a given topic and analyze it critically
U02	Has the basic level of the ability to formulate a scientific problem, as well as solving and expanding it, and to critically evaluate own and others' findings
U03	Can give a comprehensive presentation of own findings and formulate others researchers' works in the form of a scientific elaboration, publication, conference speech, seminar report or poster
U04	Has good command of English, which allows to freely express oneself in the oral or written form, and to present own reports and understand others' works
U05	Has basic experience in teaching Physics/Astronomy/Biophysics at the academic level, including the knowledge of modern teaching techniques.
<b>Social competences</b>	
K01	Understands the civilizational and social value of science and scientific research, as well as the role of an academic worker and the constant need for self-education
K02	Knows the basic rules of organization of scientific research and applying for funding, as well as the rules of functioning of a university in terms of research and didactics