

## Warunki rekrutacji na studia

Wymagania wstępne i dodatkowe:

The candidates should have general knowledge in the natural sciences and the skills to use it in their work and life with the legal and ethical principles. The candidates should understand and analyze the processes that take place in nature, and the human impact on the environment. They should know the basic technological issues relevant to geophysics and they should regard the principles of sustainable development. The candidates should have the skills that allow them active participation in the team work, perform the assigned tasks, and using of professional literature. They should have the ability to conduct laboratory and field work and organize safe and efficient operating positions of such work. They also should demonstrate knowledge of English at level B2 of the European Framework of Reference for Languages.

Zasady rekrutacji:

Rekrutacja jest prowadzona zgodnie z Uchwałą nr 72/2014 Senatu AGH - w sprawie warunków i trybu rekrutacji na pierwszy rok studiów pierwszego i drugiego stopnia w roku akademickim 2015/2016

Dolny limit ilości studentów:

30

## Ogólna charakterystyka kierunku studiów:

Wydział:

Geologii, Geofizyki i Ochrony Środowiska

Poziom studiów:

Studia II stopnia

Typ studiów:

Stacjonarne

Profil kształcenia:

Ogólnoakademicki (A)

Obszar kształcenia:

Nauk przyrodniczych

Tytuł zawodowy uzyskiwany przez absolwenta:

Magister inżynier

Czas trwania studiów (liczba semestrów):

trzy

Termin rozpoczęcia cyklu:

Semestr letni

Liczba punktów ECTS konieczna dla uzyskania kwalifikacji (tytułu zawodowego):

90

Dziedziny nauk, do których odnoszą się zakładane efekty kształcenia:

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Dyscypliny naukowe, do których odnoszą się zakładane efekty kształcenia:

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Związek kierunku studiów ze strategią rozwoju AGH oraz misją AGH:

The mission of the AGH University Science and Technology in Krakow involves educating students in the fields of critical importance to the economy based on knowledge, which are essential for a dynamic and sustainable development of the country and Europe. This strategy is to continually improve the level of education, while adapting it to the current requirements of the labor market. The directions of critical importance to the economy include the direction of Geophysics. This branch of science deals with, inter alia, engineering projects aimed at prospecting deposits, geological environment monitoring, geotechnical testing ground conditions as well as the study of mass movements.

Nazwa specjalności:

Applied geophysics

### Zasady dotyczące struktury studiów (zasady studiowania)

Dopuszczalny deficyt punktowy:

10

Semestry kontrolne:

drugi

Zasady wpisu na kolejny semestr:

In order to obtain registration for the next semester, the credit book should be submitted to Dean's office on the date specified by the Dean. In accordance with the § 17 paragraph 8 of the AGH Study Regulation, there is acceptable point deficit of ECTS points that is specified in § 17. paragraph 9 of the AGH Study Regulation. In addition, registration for the second semester is possible when a diploma thesis topic is chosen. Control semester can be completed only if additional requirements which are mentioned in § 7 paragraph 11 of the AGH Study Regulations are met.

Studia indywidualne:

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Zasady ustalania końcowej oceny studiów:

The final evaluation of the II degree of Geophysics study is a weighted average of the following components: a / assessment of the thesis, which is the arithmetic mean of the thesis issued by the tutor (faculty advisor) and the reviewer (with a weight of 0.2), b / the average grade of the study, calculated in accordance with the AGH Study Regulations § 14 (with weight 0.6), c / Master's final exam grade, as determined by the commission, which is the arithmetic mean of the written final exam Master, Master thesis presentation and answers to questions related to thesis (with a weight of 0.2).

Inne:

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Zasady prowadzenia procesu dyplomowania:

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Dodatkowe informacje:

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**Program kształcenia:**

Ogólne informacje związane z programem kształcenia (ogólne cele kształcenia oraz możliwości zatrudnienia, typowe miejsca pracy i możliwości kontynuacji kształcenia przez absolwentów):

The aims of study are: 1. Transfer of advanced knowledge in the field of science and earth sciences and a wide expertise in the field of general and applied geophysics necessary to solve the tasks of advanced geophysical and geological engineering. 2. Possession of skills necessary for planning and design, optimization and implementation of the use of geophysical instrumentation. Possession of data processing skills and geological interpretation of geophysical data using modern geophysical programs, as well as acquiring the skills in the presentation of research results and synthetic using strictly technical and scientific language. Preparing students for the planning and execution of geophysical monitoring of the environment in time and space, to assess the geophysical natural hazards induced by human activities and geophysical prospecting surveys. 3. Preparing students to project management, management reporting to the staff, together with representatives of other disciplines, including the factual and legal circumstances-economic and ethical behavior. After finishing study, on the basis of the acquired knowledge in the field of science and earth sciences and advanced geological and geophysical knowledge, the graduate can independently manage, plan, implement and interpret geophysical surveys over a wide environmental, and economic exploration. After graduation, graduate can continue their education at postgraduate study or at a PhD study (III degree of education).