

「The International Priority Graduate Programs (PGP)」

～Advanced Graduate Courses for International Students～

Course Guide

【1. Outline of the Course】

① Course	Global Human Resource Development in Mathematical and Physical Sciences for Data Science and Computational Science  (Ph.D. Program, 3 years)
② Degree	Ph.D.
③ Graduate School	Graduate School of Natural Science and Technology
	(Address) Kakuma-machi Kanazawa ISHIKAWA
④ Division	Division of Mathematical and Physical Sciences

## 【2. Contents of the Course】

### I. Aim of GHR Program

Graduate School of Natural Science and Technology, Kanazawa University will set up “Program for Global Human Resource Development in Mathematical and Physical Sciences for Data Science and Computational Science (GHR Program)” from 2019. The aim of GHR Program is to educate students in the Ph.D. course to become professionals that can work throughout the world. The students study mainly Computational Science and Data Science.

### II. Curriculum of GHR Program

- 1) **Quota:** 3 MEXT scholarship students, up to 9 students including them.
- 2) **Screening:** The MEXT scholarship students are all screened, and the selected students are accepted as students in the GHR Program. Privately financed foreign students and Japanese students are screened and accepted as regular students. After joining the graduate school of Kanazawa University, the regular students can apply for the GHR Program. The applicants are screened, and the selected students are included in the GHR Program. Foreign students can get the necessary information about Japan and Kanazawa University through the university website.
- 3) **Official Language:** English  
Lectures that the GHR Program students take are given in English. Student research projects are directed and advised by professors in English.
- 4) **Requirements for Completing GHR Program:**
  - Get credits by taking courses in the Regular Program.
  - Give a presentation at an international conference.
  - Publish research papers, including a substantial part of the Ph.D. thesis, in a peer-reviewed journal edited in English.
  - Give a Ph.D. defense in English.
  - Pass an examination of the Ph.D. thesis.
- 5) **Certificate of GHR Program:**  
GHR Program students who satisfy the requirements receive a certificate of GHR Program, as well as the Ph.D. diploma.

### III. Advising Students Research Projects and Examination of Ph.D. Thesis

If the student finds an advisor before enrolling in the Ph.D. course, s/he can receive preliminary advice through the internet. (After the enrollment, one main advisor and two vice-advisors direct and advise the student research project. A committee consisting of five professors examines the Ph.D. thesis.)