

Guidelines on conducting internship for students of Bachelor and Master level programs at the Faculty of Mathematics of the National Research University Higher School of Economics

At the Faculty of Mathematics (FM), three types of internships are offered to students: research internship, diploma internship and teaching internship.

Research and diploma internships are conducted at the Faculty of Mathematics, its joint departments and in associated research laboratories. To conduct these types of internships, a certain connected period of time is allocated in the calendar schedule (usually 2 weeks). The teaching internship of students, as a rule, also takes place at the Faculty of Mathematics, its joint departments and in associated research units. This internship is discontinuous, that is, arranged by alternating the periods of internship with the periods of study, starting from October 10 and ending on May 31 of the current school year. As a rule, teaching internship takes place in one of the disciplines of the first or second year of undergraduate studies and consists in assisting the instructor of the course, conducting various forms of control and grading the results.

The requirements for the organization and conduct of internship at the Faculty of Mathematics are set out in the relevant programs. The main results of the internship are a written report and an oral report on the results achieved during the internship.

Internship Report Requirements:

Research and diploma internships.

When writing a report on a research internship and a report on a diploma internship, a student must demonstrate the results of his own study of scientific literature and the ability to conduct research, to understand relatively new scientific results.

The report should contain a brief and clear statement of the results. As a rule, the report should reflect the results of an independent study, such as: a clearer and more complete, compared with existing ones, proof of a known result; independent calculation of a previously unknown numerical characteristic of a mathematical object; results of computer experiments.

The report may reflect the results of a public discussion of the presentation of the work at research seminars at the FM or beyond, reports made by the trainee and, if available, the trainee's publication on the topic of internship.

Teaching internship.

In the report on a teaching internship, the student should describe the implementation of an individual task received before the start of the internship, such as: the amount of work performed, the number of students taught.

Requirements for the report on an internship:

The text of the report must be typed in MS Word and submitted to the study office and to the internship supervisor both in print and in an electronic form.

The printed version should be on A4 sheets, templates are available in every internship program. Recommended report size is at most two pages. The report on the internship should be signed by the student, the internship supervisor and the faculty advisor.