

Admission Guidelines for the Academic Year 2015 for the  
Leading Graduate Course for Frontiers of Mathematical Sciences and Physics (FMSP),  
A Leading Graduate School Program  
[For Students Enrolled in the Master Course in April, 2015]

**Educational goals for the FMSP program**

The objective of this program is to nurture the qualities of global leaders in our students. It seeks to foster Doctors of Philosophy with wide-ranging interdisciplinary viewpoints and the ability to apply their knowledge, by building a specialized education course that integrates the Master's and Doctoral courses based on basic training and research activities in advanced mathematics.

**Prospective profile of FMSP course graduates**

We aim to foster young minds that have wide viewpoints on mathematics and related sciences and are capable of creating and developing advanced mathematics. We also aim to foster those who are able to apply contemporary mathematics to industrial and environmental sciences.

\* For details on the FMSP course, see the website:

<http://faculty.ms.u-tokyo.ac.jp/~fmosp>

**1. Application requirements**

To apply for this program under the following guidelines, you must be a student at the University of Tokyo enrolled in the Master Course of one of the following three departments in April 2015 (\*1):

Graduate School of Mathematical Sciences, the University of Tokyo

Department of Physics, Graduate School of Science, the University of Tokyo

Department of Earth and Planetary Science, Graduate School of Science, the University of Tokyo

and fulfill all of the requirements listed below:

1. You aim to acquire a PhD degree in mathematical sciences, in a broad sense of the term.
2. You are interested in the social/industrial applications of science, and eager to actively learn about them.
3. You fully understand the purpose of the FMSP course, as well as its rules, such as course requirements.

4. You intend to enroll in the Doctoral program at one of the above-listed three departments (\*2).
5. You agree to apply for DC1 in the JSPS Research Fellowship for Young Scientists, and should you be accepted, you also agree to stay in the FMSP course. (This requirement does not apply for government-sponsored foreign students.)
6. You understand and agree to the fact that your PhD diploma will bear a note saying that you have completed the FMSP course.

(\*1) You may not simultaneously apply for FMSP and another Leading Graduate School program.

(\*2) You may not enroll in the FMSP course if you are planning to find business employment when you finish your Master's program.

## 2. Selection method

Selection will be based on the prospective students' application documents (Applicant Information, Research Proposal, Essay, Research Background, and Supervisor's Letter of Opinion), their scores in the graduate school entrance examination and their scores in the graduate course.

## 3. Enrollment period

New FMSP course students will be enrolled in the program from October 1, 2015 to March 31, 2017.

In February 2017, a Qualifying Examination will take place to select those to be permitted to stay on the program through their Doctoral years. Students who are selected will be enrolled in the FMSP course up to March 31, 2020. However, among these selected students, those who are eligible to receive a grant are limited to 16 students.

## 4. Grants

FMSP course students receive a monthly grant of 150,000 yen (subject to taxation\*1) in their Master's program. The amount of a monthly grant for the first year in the Master's program is 120,000 yen and we decide by review in March 2016 whether the amount is increased to 150,000 yen from April 2016. An FMSP student who receive grant from other sources is supposed to decline to receive the FMSP grant, but still can be on the program.

The grant from the FMSP program will discontinue after March 31st, 2019, upon

the termination of the program at the end of the academic year of 2018.

Note that recipients of the grant are not allowed to receive other financial aids or part-time job earnings. (For further information, contact the staffs in charge of Leading Graduate School programs at the Graduate School Office of the Graduate School of Mathematical Sciences or the Graduate School of Science.)

(\*1) : The FMSP grant will count as miscellaneous income and will be taxed. You must file a tax return by March 15 of the following year. The FMSP office will send you your necessary papers in January.

#### 5. Seats available

Department	Number of new students to be admitted
Mathematical Sciences	24
Physics	
Earth and Planetary Science	

The number of seats for the Graduate School of Mathematical Sciences and the Graduate School of Science is 18 and 6 respectively.

#### 6. Selection announcement and enrollment procedures

(1) The results of the admission selection will be posted in the entrance hall of the Mathematical Sciences Building, Komaba Campus and in the front hallway of the West Wing of Faculty of Science Building No.1, on Tuesday, September 1, 2015, around 13:00. The applicants will also receive their results by mail.

(2) Enrollment forms will be handed out at the Academic Affairs desk in the Graduate School Office of the Graduate School of Mathematical Sciences and the Graduate School of Science, beginning when the selection results are announced. The enrollment forms will be mailed to the selected students upon request. Those who have been accepted must follow the enrollment guidelines and finish the necessary procedures (submitting their enrollment documents) by the deadline to be set in September. Those who fail to hand in the necessary documentation by

the deadline will be treated as having declined to enroll in the FMSP program.

## 7. Application procedures

### (1) How to apply

- a. Application documents must be either handed in directly, or sent in by postal mail.
- b. When mailing in your application documents, you must put all items indicated in (2) in one envelope, and send it from the post office by registered mail.
- c. The application period opens on Monday, June 29, and ends at 17:00 on Thursday, July 9, 2015. All mail-in applications must also arrive by Thursday, July 9.

- d. Applicants of the Graduate School of Mathematical Sciences should submit the documents to:

The Leading Graduate School Program Desk, the Graduate School Office of the Graduate School of Mathematical Sciences, the University of Tokyo, 3-8-1 Komaba, Meguro-ku, Tokyo 153-8914

Phone: 03-5465-7053

Applicants of the Graduate School of Science should submit the documents to:

The Leading Graduate School Program Desk, the Graduate School Office of Department of Physics or

Department of Earth and Planetary Science

Graduate School of Science, the University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033

### (2) Application documents

- a. The FMSP course application form: Download the form from the FMSP website and fill out the form.
- b. Supervisor's Letter of Opinion: Ask your supervisor at your current university to fill out the last page of the above form and seal it off before handing it to you
- c. A Reply Envelope: Write your name and address and affix a 82 yen postage stamp on the envelope. (This will be used to send you your admission selection result.)
- d. Those wishing to receive their enrollment forms by mail when they have been

admitted for selection should enclose an additional 140 yen's worth of stamps in their application documents. Those who do so will be given back their unused stamps if they are not selected for admission.

## 8. Notes

(1) Only applications for which all of the necessary documentations are submitted by the deadline will be considered.

(2) Under no circumstances may an applicant change the contents of their application, once it has been submitted.

(3) There may be changes made to this guideline or the application procedure due to unforeseen reasons. In such cases, an announcement will be made for potential applicants.

(4) The personal information made known to the FMSP program through the application process will be used for the following purposes: (i) selection of FMSP course students (application processing and selection), (ii) announcement of selected applicants, and (iii) enrollment procedures. For the selected applicants only, the information will further be used for administrative duties relating to:

(i) academic affairs (e.g. registration, enrollment), and (ii) student support (e.g. employment assistance, tuition waiver applications).

(5) A student who has made a false statement in their application, even after being selected to join the program, may have their status as an FMSP student taken away from them retroactively.

[Last updated in: May 2015]