

SOKENDAI Freshman Course (Second Semester 2017)

The Freshman Course is an intensive course (4 days camp) for newly-enrolled students of SOKENDAI. This course has two objectives: (1) To acquire basic knowledge and skills required for all researchers; and, (2) To understand the SOKENDAI's broad range of intellectual fields, and create a network beyond your research field. This course consists of four sections: "Frontiers of Knowledge," "Student Seminar," "Researchers and Society," and, "Communication Skills for Researchers."

DATE: Tuesday, October 10th to Friday, October 13th, 2017

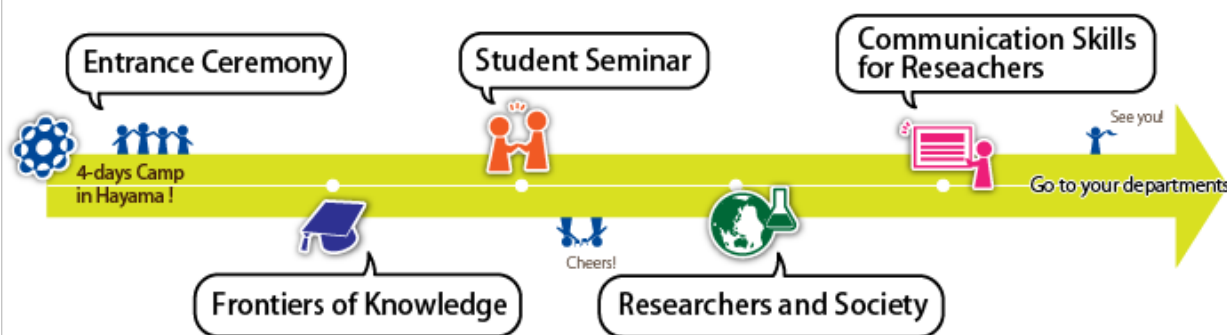
VENUE: SOKENDAI Hayama Campus

ELEGIBILITY: New and Current Students (three- and five- years Ph.D. programs)
(Compulsory for the students of both five- and three- years programs, at School of Physical Sciences, of Multidisciplinary Sciences, of Life Science, and of Advanced Sciences)

*For newly enrolled students of Department of Statistical Science in or after October 2017, the Course may become elective (to be announced after August 2017).

LANGUAGE: English

CREDIT: 2 credits (Must attend all the sessions throughout the 4-day course, and complete all assignments)



Frontiers of Knowledge

Lecture given by a distinguished SOKENDAI graduate, that helps you envision the goals in your SOKENDAI life, enrich your study, and start building your own career as a researcher.

Student Seminar

Ice breaker activities and introduction of research fields, coordinated by current students.

Researcher and Society

Learn and discuss social responsibility of researchers through workshop and lectures.

Communication Skills for Researchers

Lecture and exercises to practice writing and presentation skills for researchers.

SCHEDULE

Sessions for Freshman Course (FC) are indicated as **[FC]**

TUESDAY, OCTOBER 10th

Timetable	Program/FC Sessions	Venue
12:00 - 13:00	Registration	SOKENDAI Hayama Campus Main Building Lobby (1 st floor)
13:00 - 13:10	Guidance	Main Building Lecture Hall (2 nd floor)
13:10 - 13:40	Entrance Ceremony	
13:40 - 14:10	Lecture on IT Literacy Lecture	
14:10 - 15:10	Lecture on Mental Health	
15:10 -	Moving to 1st floor of CPIS Building	--
15:25 - 15:30	FC Opening Address [FC]	SOKENDAI Hayama Campus CPIS Building (1 st floor)
15:30 - 16:30	Frontiers of Knowledge [FC]	
16:30 - 18:00	Student Seminar I [FC]	
18:00 - 19:00	Reception (Dinner)	
19:00 -	Going to the Hotel (Lofos Shonan)/Check-in	Lofos Shonan

WEDNESDAY, OCTOBER 11th

Timetable	Program/FC Sessions	Venue
7:00 - 8:30	Breakfast	Lofos Shonan Restaurant ACTY
8:45 - 9:00	Registration	CPIS Building (1 st floor)
9:00 - 11:30	Student Seminar II [FC]	
11:30 - 13:00	Lunch with SOKENDAI President, Deans, and Faculty members	
13:00 - 17:50	Researchers and Society I [FC]	
18:00 - 20:00	Dinner	Lofos Shonan Restaurant ACTY

THURSDAY, OCTOBER 12th

Timetable	Program/FC Sessions	Venue
7:00 - 8:30	Breakfast	Lofos Shonan Restaurant ACTY
8:45 - 9:00	Registration	CPIS Building (1 st floor)
9:00 - 12:10	Researchers and Society II [FC]	
12:10 - 13:00	Lunch	
13:00 - 17:50	Researchers and Society III [FC]	
18:00 - 20:00	Dinner	Lofos Shonan Restaurant ACTY

FRIDAY, OCTOBER 13th

Timetable	Program/FC Sessions	Venue
7:00 - 8:30	Breakfast	Lofos Shonan Restaurant ACTY
8:30 -	Check out	Lofos Shonan
8:45 - 9:00	Registration	CPIS Building (1 st floor)
9:00 - 12:10	Communication Skills for Researchers I (using PC) [FC]	
12:10 - 13:00	Lunch	
13:00 - 16:00	Communication Skills for Researchers II [FC]	
16:10 - 16:30	Closing Remarks [FC]	

Frontiers of Knowledge

OUTLINE

This section offers a lecture by a distinguished SOKENDAI graduate. In the lecture, you learn how the SOKENDAI graduate have achieved success in his/her research through SOKENDAI. The principal goal in this course is for students to explore and envision their own goal in “Advanced specialties and expertise”, “Broad perspective”, and “International competitiveness” though SOKENDAI life.

CONTENTS

Lecturer: To be determined.

Contents: 60 minutes including Q&A and discussion time.

INSTRUCTORS

Mutsumi Komatsu, Assistant Professor, The Center for the Promotion of Integrated Sciences (CPIS)

Jun Gojobori, Lecturer, Department of Evolutionary Studies of Biosystems (ESB)

Hisashi Ohtsuki, Lecturer, Department of Evolutionary Studies of Biosystems (ESB)

Student Seminar

OUTLINE

Student Seminar aims at understanding the SOKENDAI's broad range of intellectual fields, and creating a network beyond your research field (department). Through icebreaker activities as well as introductions of research fields, coordinated by current SOKENDAI students (appointed as the Student Seminar committee members), the Seminar encourages interactions and communications not only among freshmen but also with current students and professors.

CONTENTS

Part I: Icebreaker Activities

The Student Seminar committee members facilitate interactive communications among participants, with the theme of “Living in Japan as a Foreign Graduate Student.”

Part II: Introduction of Research Fields

The committee members deliver a presentation on their research field in a way that participants from different fields would also comprehend and develop their interest.

INSTRUCTORS

Sayaka Uchikawa, Assistant Professor, CPIS

Michiyo Kinoshita, Lecturer, ESB

Rin Asaoka, Associate Professor, CPIS

Researchers and Society

OUTLINE

In contemporary society, researchers are expected to have not only expertise in their specialties but also social responsibility as researchers. This section provides an opportunity to think about the roles of researchers in society through lectures and workshops.

CONTENTS

Part I: Research Integrity

This part covers topics in research integrity (responsible conduct of research). In the workshop, participants discuss what makes someone a “good researcher,” besides his/her research ability and academic achievements. The workshop is followed by a lecture that covers standard topics in research integrity, such as research misconduct, authorship, peer review, and conflict of interests.

Part II: Social History of Research

Social roles and responsibilities of researchers have been changing over time. This part provides a lecture on the process in which social basis of research and relation between researchers and society has come to take the current forms. In particular, it discusses moral dilemma and social responsibilities that emerged after the two great wars in the 20th century.

Part III: Science Communication

Research could have various impacts on society. In Part III, through a lecture and workshop, we discuss why communication between experts and the public is important and how and why such communication could often fail. We particularly cover important concepts for science communication including “framing” and the “deficit model.”

INSTRUCTORS

Nozomi Mizushima, Assistant Professor, ESB

Kenji Ito, Associate Professor, ESB

Kaori Iida, Associate Professor, ESB

Yukinori Onishi, Assistant Professor, ESB

Communication Skills for Researchers

OUTLINE

The ability to clearly communicate one's ideas, whether in the spoken or written medium, is essential for any researcher. The aim of this section is to develop basic scientific writing and oral presentation skills. Students will learn how to improve the composition of their reports and make effective presentations in order to make their ideas more easily understood by the reader or audience.

CONTENTS

Part I: Scientific Writing

Lecture :

The lecture will cover composition of reports, and the structure of sentences and paragraphs. In addition, distinguishing between opinion and fact (including citations) shall be stressed. Many concrete examples of editing both sentences and passages shall be used to illustrate these points.

Editing Workshop :

In this workshop, students will have the opportunity to put the techniques they have learned into practice by editing actual articles.

Part II: Scientific Presentation

Workshop :

Scientific presentation (research presentation) is not an oral version of your research paper. Presentation transmits not only research accomplishments but also valuable information about the presenters themselves: the breadth of their research interests, logical and critical thinking skills, future directions, and personality. To meet these hidden needs of scientific presentation, National Institute of Genetics (NIG = Dept. Genetics, SOKENDAI) have developed a methodology of scientific presentation, called "NIG Method". This methodology has been adopted as a curriculum for scientific presentation in many departments of SOKENDAI. This workshop will introduce essential elements of this methodology. Participants will also watch a video of model presentation and discuss how the presentation can be improved.

INSTRUCTORS

Michiyo Kinoshita, Lecturer, ESB
 Hideki Innan, Associate Professor, ESB
 Shohei Takuno, Assistant Professor, ESB
 Finlay Stewart, Assistant Professor, ESB
 Yasushi Hiromi, Professor Emeritus, SOKENDAI