

GCOE Laboratory Short Course on Environmental Biology 2011

Global COE Program in Hokkaido University “Establishment of Center for Integrated Field Environmental Science” (URL <http://www.ees.hokudai.ac.jp/gcoe/>) provides various kinds of career-up program such as international summer courses, field science short course, laboratory and modeling short courses. GCOE laboratory short course in Environmental Biology I, II, III 2011 will be held from December 7th to 16th in 2011.

This course will provide experiences in order to learn molecular biological and biochemical techniques regarding environmental monitoring which use microorganisms and plants. We also expect this course will give great opportunities for students and researchers discussing and exchanging ideas about environmental biology.

【Contents】

Laboratory short course on Environmental Biology I “Plant gene expression analysis”

Sub title: Reporter assay utilizing genetically modified *Arabidopsis thaliana*

Laboratory short course on Environmental Biology II “Detection of human genetic polymorphisms”

Sub title: Analysis on the polymorphisms of a human aldehyde dehydrogenase gene

Laboratory short course on Environmental Biology III “Genetic induction and repression for adapting to environmental changes”

Sub title: Regulation mechanism of *E.coli* lactose operon

※Laboratory short course in Environmental Biology I, II, and III will take place during the week of December 7th through to the 16th. The course will consist of laboratory training and seminar each afternoon over the course of the ten days. You may take either all courses or a part of them (eg. Only I, and III).

【Intended for】

Doctor's course students

Master's course students

Undergraduate students

For the students who belongs GCOE-IFES body (Graduate School of Environmental Science and Division of Environmental Resources in Graduate School of Agriculture), one credit of GCOE-IFES career-up program is granted.

For other participants, completion certificate of Laboratory Short Course in Environmental Biology will be issued.

【Enrollment limit】

About 5 person each in Laboratory short course in Environmental Biology I, II, and III.

【Period of course】

December 7th (Wed) – 16th (Fri), 2011

【Place】

Hokkaido University, Graduate School of Environmental Science

(map→ <http://www.ees.hokudai.ac.jp/top/access.html>)

N10 W5, Kita-ku, Sapporo, Hokkaido 060-0810

【Submission of application form】

Download the application form from our web site. After filling out necessary information, please submit electronic file to: emb_hisyo@ees.hokudai.ac.jp

On receipt of your electronic file, we will send acknowledgement.

When you don't receive acknowledgment within three working days, please contact Honma (phone number: 011-706-2253).

【Deadline】

December 2nd 2011

【Eligibility】

1. Participants are required to have some insurance in case of an accident.
2. Participants are required to get permission from their current supervisor.

【Miscellaneous】

The participation fee is free.

Support of travel expense: For doctor's course students, if the requirements are met, support for travel expense is possible. Ask for details (See "Contact info" below.)

Screening : In case large number of applicants, screening of participants will be made by our side.

【Contact info】

Ms. Megumi Honma

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Hokkaido University, Graduate School of Environmental Science