Undergraduate students Training Course
for Global Environment Field Planner Graduate students
— Human Resource Development Program on Field Science Research

1 Purpose

The purpose of the Course (undergraduate) and the Program (graduate) is to develop planners who can think about how the earth should be in harmony with nature, culture, and society, and where environmental conservation and industrial development are compatible.

2 Content

This course is a hybrid exchange program that combines cloud-based online learning and travel-based on-site learning. In the online learning, group work will be carried out in which mixed teams of students from each country will set challenges and propose solutions using environmental information such as survey scenes that have been turned into online teaching materials as "virtual fields." In the traveling-type on-site learning, students will conduct hypotheses verification of virtual field learning and analyzes using actual samples and acquire the practical ability to interpret nature precisely.

3 Target countries and exchange universities

India: Indian Institute of Science, Indian Institute of Space Science and Technology, Cochin Institute of Science and Technology, Indian Institute of Technology Roorkee, Indian Institute of Technology Kanpur

Australia: Curtin University, Macquarie University, University of Wollongong

Sri Lanka: University of Peradeniya

4 Completion requirements

The courses and the number of credits required to complete each course/program division are as follows. Subject names for graduate students are written in parentheses.

course/program division	Subject name	credit	Number of credits required to complete the course	
			Compulsory credit	Elective credit
Short	Diverse Global Environments (Advanced Course of Earth and Environmental Sciences)	1	1	
	Seminar on Global Field Science (Seminar in Global Field and Earth Sciences)	2		More than 1
	Overseas Research Training Program * (International Field Training)	2		
	Internship in Field Science (Internship of Earth and Environmental Sciences)	1		
	Total		More than 2	
Medium	Diverse Global Environments (Advanced Course of Earth and Environmental Sciences)	1	1	
	Seminar on Global Field Science (Seminar in Global Field and Earth Sciences)	2		More than 2
	Overseas Research Training Program * (International Field Training)	2		
	Internship in Field Science (Internship of Earth and Environmental Sciences)	1		
	Basic Research on Global Field Science A (Project Research on Global Field Science A)	2	2	
	Total		More than 5	
Long	Diverse Global Environments (Advanced Course of Earth and Environmental Sciences)	1	1	
	Seminar on Global Field Science (Seminar in Global Field and Earth Sciences)	2		More than 3
	Overseas Research Training Program * (International Field Training)	2		
	Internship in Field Science (Internship of Earth and Environmental Sciences)	1		
	Basic Research on Global Field Science B (Project Research on Global Field Science B)	4	4	
	Total		More than 8	

※ Overseas Research Training Program stipulated by the "Training Course for Global Environment Field Planner" will only be certified.

[Remarks]

(1) Students who have received certification for completion of course/program can retake the above courses for which they have already earned credits. However, it is not possible to receive certification for completion of the same course/program category more than once; i.e., students cannot receive two times certifications of the short-term course/program.

(2) Guidance on this course will be given in April to May.

(3) Upon completion of the course/program, a certificate will be awarded. In addition, students who have completed the medium-term and long-term courses/programs will be issued an "open badge" as a digital certificate of learning history certified by the international standardization organization "IMS Global Learning Consortium" .