

**Master's Program in Environmental Sciences**  
**Expert program of environmental management and prognosis of nuclear emergencies (ENEP)**

Lecture number	Lecture	Credit	Grade	Semester	Lecture Information
01AD700	Environmental Assessment and Prognosis for Nuclear Emergency I [Japanese]	1.0	1	Spring Module AB	Analysis of the enviromantal released radionuclides by the nuclear disaster; the diffusion, deposition, transition process, water circulation and material circulation
01AD701	Environmental Assessment and Prognosis for Nuclear Emergency II [Japanese]	1.0	1	Spring Module C	An introduction to the emergency response, recontruction projects and decommissioning by JAEA
01AD702	Environmental Assessment and Prognosis for Nuclear Emergency III [Japanese]	1.0	1	Spring Module C	Learning indsuty, agriculture and ecosystem comprehensive impact after the nuclear disaster and emergency monitoring technique
01AD703	Monitoring and Modeling on Environmental dynamics of radionuclides I [Japanese]	1.0	1	Spring Module C	Learning the basic effects of radiation to humanbody, animals and plants, the distribution, the behaviors and the measurement method of environmental irreducible minimum radionuclides
01AD704	Monitoring and Modeling of Environmental dynamics of radionuclides	1.0	1	Fall Module B	Experimental learning of observation and meaturement methods of environmental radioactivity
01AD705	Special Seminar in Nuclear Emergency	1.0	1,2	Year Round	Learning about the evaluation method and the the environmental impact of the international nuclear disaster Lesson is given by the professors from International Atomic Energy Agency, Institute de Radioprotection et de Surete Nucleaire, Ukrainian Hydrometeorological Institute, Plymouth University and the university of Liverpool.

Lecture Number	Lecture	Credit	Grade	Semester	Lecture Information
01AD706	Internship in Risk Assessment for Nuclear Emergency I [Japanese]	1.0	1,2	Year Round	Internship in Japan Atomic Energy Agency
01AD707	Internship in Risk Assessment for Nuclear Emergency II [Japanese]	1.0	1,2	Year Round	Internship in National Institute for Environmental Studies
01AD708	Internship in Risk Assessment for Nuclear Emergency III [Japanese]	1.0	1,2	Year Round	Internship in related organisations
01AD709	International Internship in Assessment and Prognosis for Nuclear Emergency	1.0	1,2	Year Round	Internship in Chernobyl, International Atomic Energy Agency, and The University of Liverpool