Common Items

NO		Learning Goals	Learning Objectives	Introduction to Radiation Biology	Biodiversity Science (Basic studies for Environmental Sciences)	History of Hiroshima Restoration	Initial Radiation Exposure, Internal Exposure, Epidemiology	Exercise of radiation measurement	Organization Theory	Radiological Disaster Medicine	Integrated Radiation Medical Science	Nuclear Energy Applications	Radiation Chemistry	Theories of Adaptive Behavior	Corporate Social Responsibility	Sustainable Tourism Development	Radiation Disaster Recovery Studies	Designated Subject by Primary Advisor	Short-term Fieldwork	Long-term Fieldwork/Lon g-term Internship
	C1-1		Able to write academic papers in a foreign language						0	0					0		0		0	
	C1-2	International Skills: Able to demonstrate leadership in the international community	Able to debate in a foreign language		0				0	0					0	0	0		0	
1	C1-3		Able to conduct duties in a foreign language		0		0		0						0					0
	C1-4		Able to make necessary decisions and adjustments to achieve objectives in international groups		0				0						0				0	0
	C2-1		Able to understand the challenges facing human society and the issues faced by groups			0			0						0	0	0		0	0
	C2-2	Management Skills:	Able to propose solutions to issues based on accurate knowledge and high ethical standards						0						0	0	0			0
2	C2-3	situation scientifically and lead consensus building toward a better	Able to control stress in individuals and groups, and manage individuals and groups to move them in the right direction						0						0				0	0
	C2-4	4	Able to clearly execute the role should be played in the recovery from a radiation disaster based on the experience of Hiroshima University in recovering from the atomic bombing			0														
	C3-1		Able to utilize knowledge and skills beyond the field of specialization, and devise and develop original research		0		0		0		0		0		0	0	0			0
	C3-2		research Able to understand the various risks associated with radiation disasters from a comprehensive perspective and propose appropriate			0	0				0						0			
3	C3-3	Able to overlook the overall specialized	Able to understand the basics of radiobiology and evaluate the effects of radiation on the human body	0									0						0	
	C3-4	knowledge and utilize as needed	Able to understand the basics of radioactive materials and radiation, and to evaluate the dynamics of radioactive materials in the environment by using various types of radiation measuring instruments				0	0											0	
	C3-5		Able to understand the stresses on individuals and groups during a radiation disaster and provide solutions			0								0					0	

Radiation Disaster Medicine Course

NO	1	Learning Goals	Learning Objectives	An Introduction to Radiation Biology	Biodiversity Science (Basic studies for Environmental Sciences)	History of Hiroshima Restoration	Initial Radiation Exposure, Internal Exposure, Epidemiology	Exercise of radiation measurement	Organization Theory	Radiological Disaster Medicine	Integrated Radiation Medical Science	Nuclear Energy Applications	Radiation Chemistry	Theories of Adaptive Behavior	Corporate Social Responsibility	Sustainable Tourism Development	Radiation Disaster Recovery Studies	Designated Subject by Primary Advisor	Short-term Fieldwork	Long-term Fieldwork/Lon g-term Internship
	M4-1	Able to understand the pathogenesis of acute radiation injuries of nuclear power plant workers etc., and diagnose and treat them	Able to understand the process leading to acute radiation injury and grasp the pathology of acute radiation injuries			0				0	0									
4	M4-2		Able to protect oneself from acute radiation injury and understand the appropriate disposal methods of radioactive materials			0				0										
	M4-3		Able to use radiation measurement devices properly (Geiger counter, Whole body counter, etc.)				0			0										
	M5-1	Able to evaluate the	Able to understand the dynamics of radioactive materials released into the atmosphere due to the accident and radioactive materials contained in food							0										
5	M5-2	effects of low dose exposure on general residents etc.	Able to understand the health effects of low dose radiation				0			0	0									
	M5-3		Able to understand epidemiological studies of health effects caused by low dose exposure				0			0									0	
	M6-1		Able to understand the difference between internal exposure and external exposure	0			0			0										
6	M6-2	Able to accurately assess the dose of internal and	Able to understand the basics of health surveys and epidemiological studies			0	0			0									0	
	M6-3	external exposure	Able to understand the features of radiation measurement instruments (Geiger counter, Whole body counter, etc.)				0			0									0	
	M7-1	Able to appropriately evaluate, diagnose, and treat radiation effects on radiosensitive fetuses and children	Able to understand the effects of radiation on fetuses and children	0		0														
7	M7-2		Able to understand the internal systems of fetus (mother) and child	0																
	M7-3		Able to understand the methods of protecting fetuses (mothers) and children from radiation			0														

NO)	Learning Goals	Learning Objectives	Radiation	Biodiversity Science (Basic studies for Environmental Sciences)	Hiroshima Restoration	Exposure, Internal	measurement	Organization Theory	Radiological Disaster Medicine	Madian!	Chemistry	Adaptive	Sustainable Tourism Development	Radiation Disaster Recovery Studies	Designated Subject by Primary Advisor	Short-term Fieldwork	Long-term Fieldwork/Lon g-term Internship
	M8-1	3-1	Able to understand carcinogenesis and genes	0		0					0							
8	M8-2	mechanisms of carcinogenesis and genetic effects of	Able to understand the mechanism of carcinogenesis and genetic effects of radiation								0							
	M8-3	radiation and their risks	Able to understand the basics of epidemiology regarding carcinogenic risks and genetic effects				0				0							
	M9-1		Able to understand the stress caused by radioactive contamination			0				0							0	
9	M9-2	psychological assessment and mental care under stress caused by radioactive contamination	Able to evaluate the possible psychological effects of stress caused by radioactive contamination			0											0	
	M9-3		Able to understand the basic of mental health care														0	

Radioactivity Environmental Protection Course

NO		Learning Goals	Learning Objectives	An Introduction to Radiation Biology	Biodiversity Science (Basic studies for Environmental Sciences)	History of Hiroshima Restoration	Initial Radiation Exposure, Internal Exposure, Epidemiology	Exercise of radiation measurement	Organization Theory	Radiological Disaster Medicine	Nuclear Energy Applications	Radiation Chemistry	Theories of Adaptive Behavior	Corporate Social Responsibility	Sustainable Tourism Development	Radiation Disaster Recovery Studies	Designated Subject by Primary Advisor	Short-term Fieldwork	Long-term Fieldwork/Lon g-term Internship
	E4-1	Able to scientifically analyze the properties of fission reaction products	Able to understand the background leading to nuclear power plant accidents, nuclear terrorism, and radiation accidents, and to grasp the key points of safety management.			0				0	0								
4	E4-2	in nuclear power plant accidents, nuclear terrorism, and radiation accidents	Able to understand the principles and structure of nuclear reactors and the nuclear fuel cycle								0								
	E4-3		Able to understand the structure and stability of atomic nuclei, generation of radiation, and nuclear fission reaction								0	0							
	E5-1		Able to understand the theory of diffusion of radioactive substances into the environment					0			0	0							
5	E5-2	Able to measure, analyze, and evaluate environmental	Able to understand the principle of measurement of nuclide analysis instruments for radiation measurement					0			0							0	
	E5-3	contamination. Appropriately	Able to understand and measure the analysis and measurement methods of nuclide analysis instruments for radiation measurement, analyze results, and analyze and evaluate both internal and external exposure				0	0			0								
	E6-1		Able to understand the transfer and behavior of radioactive materials from the atmosphere, soil, and ocean		0			0			0								
6	E6-2	Able to analyze the environmental dynamic state of radioactive materials in the atmosphere, soil, and ocean, as well as contamination in foods	Able to understand the transfer of radioactive materials from the atmosphere, soil, and ocean to animals and plants, and to understand the behavior of radioactive materials in animals and plants		0			0				0							
	E6-3		Able to understand radioactive contamination in food and evaluate internal exposure from food					0				0							
	E7-1	Able to appropriately	Able to understand appropriate disposal of radioactive waste					0											
7	E7-2	decontaminate radioactivity, and dispose and store radioactive waste	Able to understand appropriate storage of radioactive waste								0								
	E7-3	radioactive waste	Able to understand decontamination of radioactive materials					0				0							

Radioactivity Social Recovery Course

NO		Learning Goals	Learning Objectives	Introduction to Radiation Biology	Biodiversity Science (Basic studies for Environmental Sciences)	History of Hiroshima Restoration	Initial Radiation Exposure, Internal Exposure, Epidemiology	Exercise of radiation measurement	Organization Theory	Radiological Disaster Medicine	Nuclear Energy Applications	Radiation Chemistry	Theories of Adaptive Behavior	Corporate Social Responsibility	Sustainable Tourism Development	Radiation Disaster Recovery Studies	Designated Subject by Primary Advisor	Short-term Fieldwork	Long-term Fieldwork/Lo ng-term Internship
	S4-1	Able to reduce the direct	Able to estimate and understand the mental effects on people during a radiation disaster										0					0	0
4	S4-2	effects of radiation disasters on the human body as well as the negative effects of mental stresses on people and	Able to understand the effects of stress on human beings and the method of treating mental illness										0						
	S4-3	communities	Able to understand the processes of cognitive distortions and human error						0										0
	S5-1	Able to support a wholesome	Able to understand wholesome child-rearing environment for mothers and children															0	
5	S5-2	child-rearing environment under radiation-induced stresses	Able to understand the basics of health sciences for the fetus (mother) and children															0	
	S5-3	uesses	Able to understand the process of mental development in children															0	
	S6-1		Able to understand the role of various social organizations and the process of social decision making						0					0					0
6	S6-2	Able to conduct appropriate risk communication to address social concerns about	Able to understand the way to manage risk communication in times of disaster						0	0				0				0	0
	S6-3	radiation	Able to understand the occurrence mechanisms of social exclusion, prejudice and discrimination after a disaster, and draw up measures to prevent their spread																0
	S7-1		Able to understand the relationship between people's lives and their communities						0					0					
7	S7-2	Able to assist to rebuild the communities of affected	Able to understand the structure of a community and the operation methods						0					0					
	S7-3	residents	Able to understand the process of community recovery with the passage of time after a disaster, and to recommend appropriate responses																
	S8-1	Able to expand social capital	Able to understand the methods to expand social capital						0					0					
8	S8-2	to solve social problems through collaboration and	Able to conduct project analysis from various perspectives																
	S8-3	promote projects	Able to understand systematic project management methods						0										
	S9-1	Able to formulate appropriate social consensus under radiation stresses	Able to understand the relationship between individual and group						0						0				
9	S9-2		Able to understand the generating mechanisms and effects of social exclusion, and to consider measures to prevent and control it																
	S9-3		Able to understand the qualities required of leaders, and the ideal nature of followers and groups that can bring such qualities into play						0										