2. Course Criteria

Master's Course

*For students enrolled in 2024

Joint International Master's Programme in Sustainable Development (Hiroshima University and University of Graz), Graduate School of Humanities and Social Sciences

*S: summer semester, W: winter semester, ①～④: 1st ～4th term

Course category				Course Name	Year taken	University (HU/UG)	Credit (Required elective)
Basic Course	Courses offerd by Hiroshima University	Common Graduate Course	Sustainable Development Course	World Peace and HIROSHIMA	1・2④	HU	1
				Japanese Experience of Social Development- Economy, Infrastructure, and Peace	1・2②	HU	1
				Japanese Experience of Human Development-Culture, Education, and Health	1・2④	HU	1
				Understanding diversity and Inclusion	1・2(S)	HU	1
				Considering "Peace" through Atomic Bomb Literature and Arts -Based on Experience of Atomic Bomb Survivors	1・2④	HU	1
				Climate Change Adaptation and Mitigation	1・2③	HU	1
			Career Development and Data Literacy Course	Data Literacy	1・2④	HU	1
				Data Literacy in Medicine	1・2③	HU	1
				Advanced Career Management	1・2④	HU	2
				Stress Management	1・2(S)④	HU	2
				Information security	1・2(S)	HU	1
				Introduction to MOT	1・2(S)(W)	HU	1
				Entrepreneurship	1・2②	HU	1
				Subtotal: 13 subjects	—		15
		Common Graduate School Course		Data Visualization A	1・2(W)	HU	1
				Data Visualization B	1・2(W)	HU	1
				Principles of Environment A	1・2(W)	HU	1
				Principles of Environment B	1・2(W)	HU	1
				Subtotal: 4 subjects	—		4
		Foundation Course		Research Method	1①④	HU	2
				Quantitative and Analytical Social Science	1③	HU	2
				Fundamentals of Survey Methodology	1④	HU	2
				Introduction to Sustainable Development	1(W)	HU	2
				Subtotal: 4 subjects	—		8
		Courses offerd by University of Graz		The Sustainability Challenge	1(W)	UG	1.5
				Sustainable Development - Integrating Perspectives	1(W)	UG	5
				Social competences for working in inter- and transdisciplinary teams	1(W)	UG	1
				Methods for inter- and transdisciplinary problem-solving	1(W)	UG	1
				Earth's Climate System and Climate Change	1(W)	UG	1.5
				Subtotal: 5 subjects	—		10
Specialized Course	Courses offerd by Hiroshima University	Specialization Course		Development Microeconomics I	1③	HU	2
				Development Microeconomics II	1④	HU	2
				Development Macroeconomics I	1③	HU	2
				Development Macroeconomics II	1④	HU	2
				Applied Econometrics I	1①	HU	2
				Applied Econometrics II	1②	HU	2
				Geographic Information System Technology	1・2(W)	HU	2
				Economic Statistical Analysis	1①	HU	2
				Global Governance	1③	HU	2
				Urban Economics	1②	HU	2
				Rural Development	1③	HU	2
				Management of Technology	1④	HU	2
				Human Resource Development	1②	HU	2
				Public Administration and Management	1③	HU	2
				Organization Theory	1(W)	HU	2
				Corporate Strategy	1(S)	HU	2
				Environmental Policy	1③	HU	2
				Urban Policy	1④	HU	2
				International Cooperation	1(S)	HU	2
				Labor Market and Employment Policy	1(W)	HU	2
				International Finance	1②	HU	2
				Public Economics	1③	HU	2
				Agriculture Production Economics	1③	HU	2
				Game Theory	1①	HU	2
				Remote Sensing for Social Sciences	1④	HU	2
				Seminar A	1(W)	HU	2
				Seminar B	1(S)	HU	2
				Subtotal: 27 subjects	—		54

Course category			Course Name	Year taken	University (HU/UG)	Credit
						Required elective
Specialized Course	Courses offerd by Hiroshima University	Integration Course	Fieldwork	2(W)	HU	2
			Global Internship	2(W)	HU	2
			Developing Designing Ability	1･2(S)	HU	2
			Practical Seminar on International Cooperation Project	2(S)(W)	HU	2
			Young Professionals Preparing for Careers in International Organizations A	2(W)	HU	2
			Young Professionals Preparing for Careers in International Organizations B	1･2(S)	HU	2
			International Environmental Cooperation Studies	1･2①	HU	2
			Seminar C	2(W)	HU	2
			Subtotal: 8 subjects	―		16
	Courses offerd by University of Graz	Specialization Course	Environmental and Technology Assessment	1(W)	UG	2
			Waste and Recycling	1(W)	UG	2
			Environmental Decision Making	1(W)	UG	2
			Seminar for Data in System Sciences	1(W)	UG	2
			Renewable Resources - Chemistry and Technology Ⅰ	1(W)	UG	1
			Renewable Resources - Chemistry and Technology Ⅱ	1(W)	UG	1
			Strategic Sustainability Management	1(S)	UG	2
			Sustainable Business Models	1･2(W)	UG	2
			Sustainablity Controlling and Management	1(S)	UG	2
			Sustainable Innovation	1(S)	UG	2
			Product and Service Development	1(S)	UG	2
			Value Chain Management	1(S)	UG	2
			Research Project Sustainability and Innovation Management	1(S)	UG	3
			Quantitative Methods of Social Research	1(S)(W)	UG	2
			Data in System Sciences	1(W)	UG	1.5
			Subtotal: 15 subjects	―		28.5
		Integration Course	Inter- and Transdisciplinary Case Study on Sustainable Development	2(W)	UG	5
			Social competences for managing sustainable development	2(W)	UG	1.5
			Master seminar	2(W)	UG	1
			Subtotal: 3 subjects	―		7.5
Master Thesis			Master Thesis (Hiroshima University)	1～2	HU	15
			Master Thesis (University of Graz)	1～2	UG	15
			Subtotal: 2 subjects	―		30
Total: 81 subjects				―		173

* The number indicated in the "Year taken" column means as follows.
1 : Course should be taken in the first year, 2: Course should be taken in the second year, 1~2: Course should be taken from the first to second year, 1･2: Course may be taken any year

1. Completion requirements

・Acquisition of at least 60 credits in total (Acquisition of at least 30 credits from Hiroshima University and at least 30 credits(60 ECTS*) from University of Graz) as specified in Section 2 or Section 3 below
・Receipt of research guidance
・Passing the master’s thesis evaluation and final examination

2. Required credits in each course category "<u>for students who chose Hiroshima University</u> <u>as their entrance university</u>"

【Courses offered by Hiroshima University】

(1) Basic Course: 10 or more credits
・Common Graduate Course: 1 credit or more from Sustainable Development Course, 1 credit or more from Career Development and Data Literacy Course
・Common Graduate School Course: 2 credits or more
・Foundation Course: 6 credits or more ("Introduction to Sustainable Development" is required.)
(2) Specialized Course: 4 credits or more ("Seminar A" is required.)
(3) Courses offered by the Graduate Schools of Hiroshima University: 1 credits or more
(4) Master Thesis: 15 credits ("Master Thesis(Hiroshima University)")

【Courses offered by University of Graz】
(1) Specialized Course: 20.5 credits or more
・Specialization Course: 13 credits or more ("Strategic Sustainability Management", "Sustainability Business Models", "Sustainablity Controlling and Management", "Sustainable Innovation", "Research Project Sustainability and Innovation Management", "Quantitative Methods of Social Research" are required.)
・Integration Course: 7.5 credits or more ("Inter- and Transdisciplinary Case Study on Sustainable Development", "Social competences for managing sustainable development", "Master seminar" are required.)
(2) Courses offered by University of Graz: 9.5 credits or more

3. Required credits in each course category "for students who chose University of Graz as their entrance university"
【Courses offered by University of Graz】
(1) Basic Course: 10 or more credits ("The Sustainability Challenge", "Sustainable Development - Integrating Perspectives", "Social competences for working in inter- and transdisciplinary teams", "Methods for inter- and transdisciplinary problem-solving", "Earth's Climate System and Climate Change" are required.)
(2) Specialized Course: 2 credits or more from Specialization Course
(3) Courses offered by University of Graz: 3 credits or more
(4) Master Thesis: 15 credits ("Master Thesis(University of Graz)")
【Courses offered by Hiroshima University】
(1) Specialized Course: 22 credits or more
・Specialization Course: 15 credits or more ("Seminar B" is required.)
・Integration Course: 7 credits or more ("Seminar C" is required.)
(2) Courses offered by the Graduate Schools of Hiroshima University: 8 credits or more

*1 credit of HU is equivalent to 2 ECTS of UG.
*The grading system at HU is based on a 5-point scale of "S", "A", "B", "C" and "D", and "C" and over "C" are successful. On the other hand, UG will be graded in the same way on a scale of "Sehr gut", "Gut", "Befriedigend", "Genügend" and "Nicht genügend", and "Genü gend" and over "Genügend" are the result of a passing grade.
The two universities have agreed to make grading interchangeable grading as shown in the table below, thus establishing a system that enables both universities to evaluate grades on the same basis.

Table of interchangeable grading system

Definition	UG	HU
Outstanding performance with only minor errors	Sehr gut	S or ≧90
		Excellent
Above the average standard but with some errors	Gut	A or ≧80, <90
		Superior
Generally sound work with a number of notable errors	Befriedigend	B or ≧70, <80
		Good
Performance meets the minimum criteria	Genügend	C or ≧60, <70
		Fair
Considerable further work is required, failed	Nicht genügend	D or <60