

Course Criteria

Master's Course

*For students enrolled in 2025

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 offered by Hiroshima University	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
		Innovation and Practice for Smart Society	1 · 2(W)	HU	1
		Subtotal: 16 subjects	—		18
	Common Graduate School Course	Data Visualization A	1 · 2(S)(W)	HU	1
		Data Visualization B	1 · 2(S)(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
		Arts & Science for Evidence-Based Decision Making	1③	HU	2
		Subtotal: 5 subjects	—		10
Specialized Course	Courses offered 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
		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
		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
		Development Policy and Practice	1②	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 offered by Hiroshima University	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
		Seminar C	2(W)	HU	2
		Subtotal: 7 subjects	—		14
		Environmental and Technology Assessment	1(W)	UG	2
		Waste and Recycling	1(W)	UG	2
Courses offered by University of Graz	Specialization Course	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
		Sustainability 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
Master Thesis	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 (Hiroshima University)	1~2	HU	15
		Master Thesis (University of Graz)	1~2	UG	15
		Subtotal: 2 subjects	—		30
Total: 84 subjects			—		176

* 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 "for students who chose Hiroshima University as their entrance university"

【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", "Sustainability 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 "Genügend" 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 $\geq 80, < 90$
		Superior
Generally sound work with a number of notable errors	Befriedigend	B or $\geq 70, < 80$
		Good
Performance meets the minimum criteria	Genügend	C or $\geq 60, < 70$
		Fair
Considerable further work is required, failed	Nicht genügend	D or < 60