

Environmental Engineering and Architecture, Graduate School of Environmental Studies

Master's Course <前期課程>

都市環境学専攻

Course Categories 科目区分	Course Format 授業形態	授業科目	Course Title	Lecturer 担当教員	Credits 単位数	Civil and Environmental Engineering Graduate Program 環境土木工学プログラム
						Starts 開講時期
Interdisciplinary courses 体系理解科目	Lecture 講義	持続可能性と環境学	Sustainability and Environmental Studies	ZINCHENKO Anatoly, Hiroki TANIKAWA, Miho IRYO	2	1, 2Autumn
		サステイナブル都市学	Sustainable City Studies	Hiroki TANIKAWA, Heinz SCHANDL	2	1, 2Spring
		環境コミュニケーション	English Communication in Environmental Issues	Miho IRYO, Sohyun CHUN	2	1Spring
		環境都市システム論	Environmental Urban Systems	Miho IRYO	2	1, 2Autumn
		途上国開発特論 I	Civil Engineering and Policies for Developing Countries I	Miho IRYO, Kiichiro HAYASHI	2	1Autumn, 2Autumn (offered every other year)
		途上国開発特論 II	Civil Engineering and Policies for Developing Countries II	Miho IRYO	2	1Autumn, 2Autumn (offered every other year)
Type 1 courses I類	Lecture 講義	空間環境システム論	Spatial Development and Environment	Takashi TOMITA	2	1, 2Autumn
		環境社会システム工学	Environmental Systems Analysis and Planning	Hiroki TANIKAWA	2	1, 2Spring
		交通システム分析	Transportation Systems Analysis	Takayuki MORIKAWA	2	1, 2Spring
		都市空間環境マネジメント論	Theory of Environmental Management in Urban Space	Miho IRYO, Hirokazu KATO, Takayuki MORIKAWA	2	1, 2Spring
		交通工学特論	Advanced Traffic Engineering and Management	Hideki NAKAMURA	2	1, 2Spring
		気候変動と社会基盤	Climate Change and Infrastructure	Miho IRYO	2	1, 2Autumn
		環境リスク論	Environmental Risk	Kengo TOMITA, Rumiko HAYASHI, Takaaki HARADA	2	1, 2Autumn
		水・廃棄物工学	Water and Waste Engineering	Nagahisa HIRAYAMA	2	1, 2Spring
		環境産業システム論	Environmental Industry Systems	Hiroki TANIKAWA,	2	1, 2Autumn
		土木工学のフロンティア	Frontier in Civil Engineering	Director of Civil and Environmental Engineering and others	2	1, 2Spring
Type 2 courses II類	Seminar セミナー	空間環境学セミナー1A	Seminar on Urban Space and Environment 1A		2	1Spring
		空間環境学セミナー1B	Seminar on Urban Space and Environment 1B		2	1Autumn
		空間環境学セミナー1C	Seminar on Urban Space and Environment 1C		2	2Spring
		空間環境学セミナー1D	Seminar on Urban Space and Environment 1D		2	2Autumn
		空間環境学セミナー2A	Seminar on Urban Space and Environment 2A	Hirokazu KATO	2	1Spring
		空間環境学セミナー2B	Seminar on Urban Space and Environment 2B	Hirokazu KATO	2	1Autumn
		空間環境学セミナー2C	Seminar on Urban Space and Environment 2C	Hirokazu KATO	2	2Spring
		空間環境学セミナー2D	Seminar on Urban Space and Environment 2D	Hirokazu KATO	2	2Autumn
		空間環境学セミナー3A	Seminar on Urban Space and Environment 3A	Takayuki MORIKAWA, Toshiyuki YAMAMOTO, Tomio MIWA	2	1Spring
		空間環境学セミナー3B	Seminar on Urban Space and Environment 3B	Takayuki MORIKAWA, Toshiyuki YAMAMOTO, Tomio MIWA	2	1Autumn
		空間環境学セミナー3C	Seminar on Urban Space and Environment 3C	Takayuki MORIKAWA, Toshiyuki YAMAMOTO, Tomio MIWA	2	2Spring
		空間環境学セミナー3D	Seminar on Urban Space and Environment 3D	Takayuki MORIKAWA, Toshiyuki YAMAMOTO, Tomio MIWA	2	2Autumn
		空間環境学セミナー4A	Seminar on Urban Space and Environment 4A	Hideki NAKAMURA, Miho IRYO, Xin ZHANG	2	1Spring
		空間環境学セミナー4B	Seminar on Urban Space and Environment 4B	Hideki NAKAMURA, Miho IRYO, Xin ZHANG	2	1Autumn
		空間環境学セミナー4C	Seminar on Urban Space and Environment 4C	Hideki NAKAMURA, Miho IRYO, Xin ZHANG	2	2Spring
		空間環境学セミナー4D	Seminar on Urban Space and Environment 4D	Hideki NAKAMURA, Miho IRYO, Xin ZHANG	2	2Autumn
		空間環境学セミナー5A	Seminar on Urban Space and Environment 5A	Hiroki TANIKAWA, Hiroaki SHIRAKAWA	2	1Spring
		空間環境学セミナー5B	Seminar on Urban Space and Environment 5B	Hiroki TANIKAWA, Hiroaki SHIRAKAWA	2	1Autumn
		空間環境学セミナー5C	Seminar on Urban Space and Environment 5C	Hiroki TANIKAWA, Hiroaki SHIRAKAWA	2	2Spring
		空間環境学セミナー5D	Seminar on Urban Space and Environment 5D	Hiroki TANIKAWA, Hiroaki SHIRAKAWA	2	2Autumn
空間環境学セミナー7A	Seminar on Urban Space and Environment 7A	Nagahisa HIRAYAMA	2	1Spring		
空間環境学セミナー7B	Seminar on Urban Space and Environment 7B	Nagahisa HIRAYAMA	2	1Autumn		
空間環境学セミナー7C	Seminar on Urban Space and Environment 7C	Nagahisa HIRAYAMA	2	2Spring		

		空間環境学セミナー7D	Seminar on Urban Space and Environment 7D	Nagahisa HIRAYAMA	2	2Autumn
Type 3 courses Ⅲ類	Exercises 演習	環境社会システム工学実習	Practice in Environmental Systems Analysis and Planning	Hiroki TANIKAWA, Kiichiro HAYASHI, Hiroaki SHIRAKAWA	1	1, 2Autumn
		社会システム分析実習	Practice in Social Systems	Takayuki MORIKAWA, Tomio MIWA	1	1, 2Spring
		インターンシップ	Internship Program	Course Chief	1	Occasional
		グローバル研究インターンシップ	Global Research Internship	Hiroki TANIKAWA, Takayuki MORIKAWA	2	Occasional

Research supervision 研究指導

Method of Completion and Research Supervision (履修方法及び研究指導)

Master of Environmental Studies 修士 (環境学)	<p>1. (1) The requirements stated in the following items i) to iii) must be met and a total of at least 30 credits must be acquired.</p> <p>(以下の i)~iii)の各項を満たし, 合計30単位以上)</p> <p>i) Interdisciplinary courses (体系理解科目): Minimum 8 credits (8単位以上)</p> <p>ii) Type 1,2 and 3 courses (Ⅰ類, Ⅱ類, Ⅲ類): Minimum 20 credits including minimum 8 credits from Type 2 courses (20単位以上. ただし, Ⅱ類の授業科目8単位以上を含むこと)</p> <p>iii) Other departments of graduate schools (他専攻, 他研究科等の授業科目): Credits can be counted as degree credits. (単位数として含めることができる)</p> <p>2. Research supervision: students will be subject to instruction by academic advisors under the rules prescribed by the department. (研究指導については, 専攻において定めるところにより, 指導教員の指示によること)</p>
Master of Engineering 修士 (工学)	<p>1. (1) The requirements stated in the following items i) to iv) must be met and a total of at least 30 credits must be acquired.</p> <p>(以下の i)~iv)の各項を満たし, 合計30単位以上)</p> <p>i) Interdisciplinary courses (体系理解科目): Minimum 4 credits (4単位以上)</p> <p>ii) Type 1,2 and 3 courses (Ⅰ類, Ⅱ類, Ⅲ類): Minimum 20 credits including minimum 8 credits from Type 2 courses (20単位以上. ただし, Ⅱ類の授業科目8単位以上を含むこと)</p> <p>iii) Courses provided by the Graduate School of Engineering and courses in Course Table 1 (工学研究科の科目及び履修授業科目表1) Minimum 4 credits (4単位以上)</p> <p>iv) Other departments of graduate schools (他専攻, 他研究科等の授業科目): Credits can be counted as degree credits. (単位数として含めることができる)</p> <p>2. Research supervision: students will be subject to instruction by academic advisors under the rules prescribed by the department. (研究指導については, 専攻において定めるところにより, 指導教員の指示によること)</p>

Course Table 1 (履修授業科目表1)

Mandatory Subjects

Degree	Mandatory Subjects
Master of Engineering 修士 (工学)	Type 1 Courses (Lectures) (Ⅰ類科目) Frontier in Civil Engineering (土木工学のフロンティア) / Environmental Systems Analysis and Planning (環境社会システム工学) / Water and Waste Engineering (水・廃棄物工学) / Transportation Systems Analysis (交通システム分析) / Advanced Traffic Engineering and Management (交通工学特論)