

履修細目一覧(農学部:生物資源環境学科国際コース)
 Course List (School of Agriculture: Bioresource and Bioenvironment)

I. KIKAN Education Courses 基幹教育科目

Categories 区分	Subject 授業科目(単位数)	Minimum Number of Credits Required by Course Category 科目区分毎の 最低修得単位数	Total 合計	
KIKAN Education Seminar (基幹教育セミナー)	KIKAN Education Seminar (基幹教育セミナー) (1)	1	44.5	
Interdisciplinary Collaborative Learning of Social Issues (課題協同学科目)	Interdisciplinary Collaborative Learning of Social Issues(課題協同学科目) (2.5)	2.5		
Subjects for Language and Culture (言語文化科目)	Intensive English Japanese Issues I (1)	4		
	Intensive English Japanese Issues II (1)			
	Intensive English C Theme-Based (1)			
	Intensive English C Skill-Based (1)			
	Integrated Courses:Beginners A (1)	6		
	Integrated Courses:Beginners B (1)			
	Integrated Courses:Elementary 1A (1)			
	Integrated Courses:Elementary 1B (1)			
	Integrated Courses:Elementary 2A (1)			
	Integrated Courses:Elementary 2B (1)			
	Integrated Courses:Pre-Intermediate A (1)			
	Integrated Courses:Pre-Intermediate B (1)			
	Integrated Courses:Intermediate 1A (1)			
	Integrated Courses:Intermediate 1B (1)			
	Integrated Courses:Intermediate 2A (1)			
	Integrated Courses:Intermediate 2B (1)			
	Integrated Courses:Pre-Advanced A (1)			
	Integrated Courses:Pre-Advanced B (1)			
	Integrated Courses:Advanced A (1)			
	Integrated Courses:Advanced B (1)			
	Kanji Courses:Elementary 1A (1)	4		
	Kanji Courses:Elementary 1B (1)			
	Kanji Courses:Elementary 2A (1)			
	Kanji Courses:Elementary 2B (1)			
	Kanji Courses:Pre-Intermediate A (1)			
	Kanji Courses:Pre-Intermediate B (1)			
	Kanji Courses:Intermediate 1A (1)			
	Kanji Courses:Intermediate 1B (1)			
	Kanji Courses:Intermediate 2A (1)			
	Kanji Courses:Intermediate 2B (1)			
	Kanji Courses:Pre-Advanced A (1)			
	Kanji Courses:Pre-Advanced B (1)			
Kanji Courses:Advanced A (1)				
Kanji Courses:Advanced B (1)				
Subjects in Humanities and Social Science (文系ディシプリン科目)	Introduction to Law (法学入門) (2)			8
	Introduction to Philosophy (哲学入門) (2)			
	Introduction to Japanese History (日本歴史入門) (2)			
	Introduction to Psychology (心理学入門) (2)			
	Global Issues (グローバル・イシュー(地球規模の問題)) (2)			
	Introduction to Economics (経済学入門) (2)			
	Intercultural Encounters (異文化コミュニケーション) (2)			
Language and Communication in Society (社会のなかの言語とコミュニケーション) (2)				
Subjects in Science (理系ディシプリン科目) ★Required	★Computer Programming Exercise (情報処理演習) (1)	17		
	★Calculus I (微分積分学Ⅰ) (1)			
	★Calculus II (微分積分学Ⅱ) (1)			
	Calculus III (微分積分学Ⅲ) (1)			
	Calculus IV (微分積分学Ⅳ) (1)			
	★Linear Algebra I (線形代数Ⅰ) (1)			
	★Linear Algebra II (線形代数Ⅱ) (1)			
	Linear Algebra III (線形代数Ⅲ) (1)			
	Linear Algebra IV (線形代数Ⅳ) (1)			
	★Fundamental Physics I (基幹物理学Ⅰ) (1)			
	★Fundamental Physics II (基幹物理学Ⅱ) (1)			
	Fundamental Physics III (基幹物理学Ⅲ) (1)			
	Fundamental Physics IV (基幹物理学Ⅳ) (1)			
	Fundamental Physics V (基幹物理学Ⅴ) (1)			
	Fundamental Physics VI (基幹物理学Ⅵ) (1)			
	Fundamental Physics VII (基幹物理学Ⅶ) (1)			
	Fundamental Physics VIII (基幹物理学Ⅷ) (1)			
	★Basic Chemistry I (基礎化学Ⅰ) (1)			
	★Basic Chemistry II (基礎化学Ⅱ) (1)			
	★Fundamental Inorganic Chemistry I (基礎無機化学Ⅰ) (1)			
	★Fundamental Inorganic Chemistry II (基礎無機化学Ⅱ) (1)			
	Fundamental Organic Chemistry I (基礎有機化学Ⅰ) (1)			
	Fundamental Organic Chemistry II (基礎有機化学Ⅱ) (1)			
	★Fundamental Cell Biology I (基礎細胞生物学Ⅰ) (1)			
	★Fundamental Cell Biology II (基礎細胞生物学Ⅱ) (1)			
	★Introductory Biology I (生物学入門Ⅰ) (1)			
	★Introductory Biology II (生物学入門Ⅱ) (1)			
	Environmental Geoscience I (環境地球科学Ⅰ) (1)			
	Environmental Geoscience II (環境地球科学Ⅱ) (1)			
	★Basic Laboratory Experiments in Natural Science I (自然科学総合実験Ⅰ) (1)			
	★Basic Laboratory Experiments in Natural Science II (自然科学総合実験Ⅱ) (1)			
	Drawings on Technical Design I (図学Ⅰ) (1)			
	Drawings on Technical Design II (図学Ⅱ) (1)			
Cybersecurity (サイバーセキュリティ科目)	Primary Course of Cyber Security - How to Survive the Cyber (サイバーセキュリティ基礎論) (1)	1		
Subject for Health and Sports Science (健康スポーツ科目)	Laboratory of Health and Sports Science (健康・スポーツ科学演習) (1)	1		
General Subject (総合科目)	Engagement with Volunteer I (社会連携ボランティアⅠ) (1)			
	Engagement with Volunteer II (社会連携ボランティアⅡ) (1)			
	Engagement with Internship I (社会連携インターンシップⅠ) (1)			
	Engagement with Internship II (社会連携インターンシップⅡ) (1)			

2.Specialized Courses 専攻教育

Categories 区分	Subject 授 業 科 目	Minimum Number of Credits Required			
		Number of Credits by Course Category 科目区分毎の単位数	Total 合 計		
S p e c i a l i z e d C o u r s e s 専 攻 教 育 科 目	Technical Communication テクニカルコミュニケーション	Technical Communication 1 (テクニカルコミュニケーション1) (2) Technical Communication 2 (テクニカルコミュニケーション2) (2) Technical Communication 3 (テクニカルコミュニケーション3) (2)	6	82	
	Tutorial チュートリアル	Introduction to Bioresource and Bioenvironmental Sciences 1 (生物資源環境科学入門1) (2) Introduction to Bioresource and Bioenvironmental Sciences 2 (生物資源環境科学入門2) (2)	4		
	Common Basic Subjects 共通基礎・特別科目	Core Seminar (コアセミナー) (2)			34
		Basic Ecology (基礎生態学) (2)			
		Analytical Chemistry (分析化学) (2)			
		Physical Mathematics and Practices (物理数学・同演習) (3)			
		Population Biology and Ecology (集団生物学・生態学) (2)			
		Systematics, Diversity and Evolution (分類学・系統進化学) (2)			
		Applied Cell Biology (応用細胞生物学) (2)			
		Physiology (生理学) (2)			
		Bio-organic Chemistry (生物有機化学) (2)			
		Introductory Biochemistry (生物化学) (2)			
		Information Processing and Practices (情報処理学・同演習) (3)			
		Elementary Economics (経済学基礎) (2)			
		Elementary Statistics (統計学基礎) (2)			
		Current Global Agricultural Issues (国際関係論) (2)			
		Agricultural Field Visit 1 (実地見学1) (1)			
		Agricultural Field Visit 2 (実地見学2) (1)			
		Business Japanese A(1)			
	Business Japanese B(1)				
	Business Japanese C(1)				
	Scientific Japanese I (1)				
	Scientific Japanese II (1)				
	Specialized Subjects 専攻科目	Genetics and Plant Breeding (遺伝・育種学) (2)			18
		Plant Production and Physiology (作物生産生理学) (2)			
		Plant Protection and Pest Management (植物保護管理学) (2)			
		Agro-production Environmental Engineering (生物生産環境工学) (2)			
Agri-Food Production System Engineering (生物生産システム工学) (2)					
Agricultural Economics (農政経済学) (2)					
Molecular Biology (分子生物学) (2)					
Microbiology (微生物学) (2)					
Food Science (食品科学) (2)					
Bio-Engineering (生命工学) (2)					
Forest Management (森林管理学) (2)					
Forest Products Science (森林資源学) (2)					
Biomaterial Science (生物材料科学) (2)					
Animal and Marine Life Science (動物生命科学) (2)					
Environmental and Ecological Science for Animal Production (動物生産・環境学) (2)					
Utilization of Animal and Marine Resource (動物資源利用学) (2)					
Special Lecture on Advanced Topics of Agriculture 1 (特別専門科目1) (2)					
Special Lecture on Advanced Topics of Agriculture 2 (特別専門科目2) (2)					
Special Lecture on Advanced Topics of Agriculture 3 (特別専門科目3) (2)					
Special Lecture on Advanced Topics of Agriculture 4 (特別専門科目4) (2)					
Special Lecture on Advanced Topics of Agriculture 5 (特別専門科目5) (2)					
Laboratory Subjects ラボラトリー科目	Laboratory Rotation 1 (生物資源環境学1) (2) Laboratory Rotation 2 (生物資源環境学2) (2)	4			
	Bioresource and Bioenvironment Experiments and Practice 1 (生物資源環境学実験・演習1) (1) Bioresource and Bioenvironment Experiments and Practice 2 (生物資源環境学実験・演習2) (1) Bioresource and Bioenvironment Experiments and Practice 3 (生物資源環境学実験・演習3) (1) Bioresource and Bioenvironment Experiments and Practice 4 (生物資源環境学実験・演習4) (1)	6			
Fieldwork Practice Subjects 実験・演習科目	Fieldwork on Bioresource and Bioenvironment 1 (生物資源環境学実習1) (1) Fieldwork on Bioresource and Bioenvironment 2 (生物資源環境学実習2) (1)				
	Thesis 卒業研究科目	Seminar and Exercise Related to Graduation Thesis (卒業実験・演習) (2) Graduation Thesis (卒業研究) (8)	10		