

2020 AAP Course Master's Program Guide

Special Course for International Students from Asia, Africa and the Pacific Rim

Shikoku International Student Education Consortium

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The education of students from Asia, Africa and the Pan-Pacific nations is administered by Shikoku International Student Education Consortium in the Special Course for International Students from Asian, African, and the Pacific Rim (hereafter AAP Special Course). The AAP Special Course was developed for international students pursuing a Master's Degree at Graduate School of Agriculture of Kagawa University and Ehime University, or a Master Degree in Integrated Arts and Sciences at Kochi University (Hereafter all programs will be referred to as Master's Degree at Graduate School of Agriculture).

This program aims to cultivate students who have knowledge and technical skill based on advanced research which focuses on environmentally friendly and sustainable agriculture, forestry, fisheries, and agri-food industry. A Master's Degree in Agriculture will be awarded to students that successfully demonstrate an in-depth understanding of course materials and complete a master's thesis.

Students accepted in this course will be assigned to the Graduate School Agriculture Research Course of Kagawa University, Ehime University, and Kochi University. To meet graduation requirements, students are required to complete the following units:

1) Compulsory subjects:

•Introductory&developmental subjects

First-year student seminar	1 unit
International agriculture, forestry and fisheries seminar	1 unit
Survival Japanese	1 unit
Summer seminar	2 units
General agriculture	1 unit
Total	6 units

•Research subjects related to Master's thesis

Research planning	1 unit
Research experiment / investigation I	2 units
Research experiment / investigation II	2 units
Research experiment / investigation III	2 units
Research experiment / investigation IV	2 units
Research presentation I	1 unit
Research presentation II	1 unit
Thesis writing	1 unit
Total	12 units

•Special seminar subjects

Special seminar on bioresource management I	1 unit
Special seminar on bioresource management II	1 unit
Special seminar on bioresource management III	1 unit
Special seminar on bioresource management IV	1 unit
Total	4 units

2) Elective subjects:

Students are required to take 6 subjects, for a total of 6 units, as elective subjects from the specialized subjects. Furthermore, students are required to take 1 practical subject, for 2 units, of the 3 offered practical subjects (Field study, Studies on Japanese culture/Community exchange, Internship). Students select subjects from approved subjects for the AAP Special Course (Please refer pp.8-28) after consulting with their academic supervisor and academic advisor. If students have the approval of their academic supervisor, students may be able to select specialized courses not listed in AAP Special Course offerings. This provision is subject to the approval of the respective University Faculty.

Students must complete a total of 30 units with a passing grade to be eligible for graduation.

Subjects will be marked on the following scale:

- S: 90% and above
- A: 80-89%
- B: 70-79%
- C: 60-69%
- D: 59% and below

S, A, B, and C are judged as passing grades. Specific requirements for the submission of the master's thesis are determined by the respective university. The master's thesis must be approved by the academic supervisor prior to submission to the Dean of the Graduate School of Agriculture. All regulations and rules, except those related to the course curriculum and completion requirements for the AAP Special Course, shall be determined by the respective university's graduate school agriculture research course.

	Subjects section (科目区分)		Credits (単位)
Compulsory subjects (必修科目)	Introductory & developmental subjects (入門・展開科目)		6 credits
	Research subjects (研究科目)	Research subjects related to Master's thesis	12 credits
		Special seminar subjects	4 credits
Elective subjects (選択必修科目)	Specialized subjects (専門科目)		6 credits or above
	Practical subjects (実践科目)		2 credits
Total (合計)			30 credits or above

Compulsory & elective subjects in the AAP special course program in the graduate course of Kagawa, Ehime & Kochi universities

1. Introductory & developmental subjects (Compulsory subjects) (入門・展開科目/必修科目)

Course subject code No. (授業コード)*1	Special course subject (授業科目)	Credits (単位)	Classes per week (週授業コマ数)				Lecturer or instructor (担当教員)
			1st year (1年)		2nd year (2年)		
			Fall term (秋学期)	Spring term (春学期)	Fall term (秋学期)	Spring term (春学期)	
Kagawa 970011 Ehime 26X05 Kochi 1BF01	First-year student seminar*2 (新入生セミナー)	1	1			Staff of Kagawa, Ehime & Kochi universities (香川・愛媛・高知大教員)	
Kagawa 970016 Ehime 26X06 Kochi 1BG02	International agriculture, forestry and fisheries seminar*3 (国際農林水産学セミナー)	1	1			Staff of Kagawa, Ehime & Kochi universities (香川・愛媛・高知大教員)	
Kagawa 970020 Ehime 26X02 Kochi 1BF02	Survival Japanese*2 (サバイバル日本語)	1	1			Staff of Kagawa, Ehime & Kochi universities (香川・愛媛・高知大教員)	
Kagawa 970025 Ehime 16X00 Kochi 1BG01	Summer seminar*4 (サマーセミナー)	2	2			Staff of Kagawa, Ehime & Kochi universities (香川・愛媛・高知大教員)	
Kagawa 970030 Ehime 26X03 Kochi 1BG03	General agriculture*3 (総合農学セミナー)	1	1 (0.2 units 5 subjects)			Staff of Kagawa, Ehime & Kochi universities (香川・愛媛・高知大教員)	

Note: The fall & spring terms correspond to the 2nd & 1st semesters of the regular course. (備考：秋学期は正規コースの2学期、春学期は1学期にあたる。)

*1 Class codes may differ at each university. (授業コードは、各大学で異なる。)

*2 Methodology and duration may differ at each university. (実施時期および方法は、各大学で異なる。)

*3 Conducted as joint teleconferencing sessions by the 3 universities. (原則として、3大学間TV共同授業で行う。)

*4 Conducted as a joint intensive session by the 3 universities (3大学間共同で、集中合宿により行う。)

2. Research subjects (Compulsory subjects) (研究科目 / 必修科目)

Course subject code No. (授業コード)*1	Special course subject (授業科目)	Credits (単位)	Classes per week (週授業コマ数)				Lecturer or instructor (担当教員)
			1st year (1年)		2nd year (2年)		
			Fall term (秋学期)	Spring term (春学期)	Fall term (秋学期)	Spring term (春学期)	
Kagawa 970110 Ehime*2 Kochi*2	Research planning (生物資源管理研究計画法)	1	1			Advising professors (指導教員)	
Kagawa 970111 Ehime*2 Kochi*2	Research experiment・investigation I (生物資源管理実験・調査I)	2	2			Advising professors (指導教員)	
Kagawa 970112 Ehime*2 Kochi*2	Research experiment・investigation II (生物資源管理実験・調査II)	2	2			Advising professors (指導教員)	
Kagawa 970113 Ehime*2 Kochi*2	Research experiment・investigation III (生物資源管理実験・調査III)	2		2		Advising professors (指導教員)	
Kagawa 970114 Ehime*2 Kochi*2	Research experiment・investigation IV (生物資源管理実験・調査IV)	2			2	Advising professors (指導教員)	
Kagawa 970115 Ehime*2 Kochi*2	Research presentation I (研究プレゼンテーション技法I)	1		1		Advising professors (指導教員)	
Kagawa 970116 Ehime*2 Kochi*2	Research presentation II (研究プレゼンテーション技法II)	1			1	Advising professors (指導教員)	
Kagawa 970117 Ehime*2 Kochi*2	Thesis writing (科学論文作成法)	1			1	Advising professors (指導教員)	

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*2 Class codes may differ at each advising professors. (授業コードは、各指導教員で異なる。)

Course subject code No. (授業コード)*1	Special course subject (授業科目)	Credits (単位)	Classes per week (週授業コマ数)				Lecturer or instructor (担当教員)
			1st year (1年)		2nd year (2年)		
			Fall term (秋学期)	Spring term (春学期)	Fall term (秋学期)	Spring term (春学期)	
Kagawa 970121 Ehime*2 Kochi*2	Special seminar on bioresource management I (生物資源管理特別演習 I)	1	1				Advising professors (指導教員)
Kagawa 970122 Ehime*2 Kochi*2	Special seminar on bioresource management II (生物資源管理特別演習 II)	1		1			Advising professors (指導教員)
Kagawa 970123 Ehime*2 Kochi*2	Special seminar on bioresource management III (生物資源管理特別演習 III)	1			1		Advising professors (指導教員)
Kagawa 970124 Ehime*2 Kochi*2	Special seminar on bioresource management IV (生物資源管理特別演習 IV)	1				1	Advising professors (指導教員)

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*1 Class codes may differ at each university. (授業コードは、各大学で異なる。)

*2 Class codes may differ at each advising professors. (授業コードは、各指導教員で異なる。)

3. Specialized subjects (Elective subjects) (専門科目／選択必修科目)
6 subjects (1 unit × 6 subjects) are to be selected from the list on pp. 8~28.
(8~28 頁の表にある授業から、合計 6 授業 (1 単位×6 授業) を選択する。)

4. Practical subjects (Elective subjects) (実践科目／選択必修科目)

One subject is to be selected from the following three subjects. (下記の3授業から1授業を選択する。)

Course subject code No. (授業コード)*1	Special course subject (授業科目)	Credits (単位)	Classes per week (週授業コマ数)				Lecturer or instructor (担当教員)
			1st year (1年)		2nd year (2年)		
			Fall term (秋学期)	Spring Term (春学期)	Fall term (秋学期)	Spring term (春学期)	
Kagawa 970209 Ehime*3 Kochi 1BF03	Field study (フィールドスタディー)	2			2	Staff of Kagawa, Ehime & Kochi universities (香川・愛媛・高知大教員)	
Kagawa 970210 Ehime 26X04 Kochi 1BF04	Orientation training: Studies on Japanese culture/Community exchange*2 (日本事情・地域交流)	2			2	Staff of Kagawa, Ehime & Kochi universities (香川・愛媛・高知大教員)	
Kagawa 970211 Ehime*3 Kochi 1BF05	Internship (インターンシップ)	2			2	Staff of Kagawa, Ehime & Kochi universities (香川・愛媛・高知大教員)	

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*2 Methodology and duration may differ at each university. (実施時期および方法は、各大学で異なる。)

*3 Class codes may differ at each advising professors. (授業コードは、各指導教員で異なる。)

(3. Specialized subjects (Elective subjects) (専門科目／選択必修科目))

Totally 6 subjects (1 unit × 6 subjects) are to be selected from the following list.
(下表の授業から、合計6授業(1単位×6授業)を選択する。)

Course subject code No. (授業コード)*1	Special course subject (授業科目)	Credits (単位)	Classes per week*2 (週授業コマ数)				Lecturer or instructor (担当教員)	
			1st year (1年)		2nd year (2年)		Name (氏名)	University (大学)
			Fall term (秋学期)	Spring term (春学期)	Fall term (秋学期)	Spring term (春学期)		
Bioresource Production Science／Plant Resource Production								
970310	Introduction of horticultural production and technology	1	1				OKUDA, Nobuyuki・ MOCHIOKA, Ryosuke	Kagawa
970315	Advanced vegetable crop production	1	1				OKUDA, Nobuyuki	Kagawa
970320	Postharvest physiology in horticulture	1	1				KOSUGI, Yusuke	Kagawa
970325	Fruit production and improvement	1	1				BEPPU, Kenji	Kagawa
970330	Crop ecophysiology	1	1				TOYOTA, Masanori	Kagawa
TBA	Crop production science	1	1				TOYOTA, Masanori	Kagawa
Bioresource Production Science／Plant and Animal Production under Structure								
970335	Advanced flower production	1		1			FUKAI, Seiichi	Kagawa
970340	Propagation and Breeding of Horticultural Resources	1			1		TAKAMURA, Takejiro	Kagawa

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Students elect subjects from this table after consulting with their academic supervisor and academic advisor. (指導教員のアドバイスを受けて、表に示す授業を履修すること。)

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*2 If time schedule is not specified, ask it to the lecturer directly or through your advising professor. (開講時期が明示されていない場合は、直接あるいは指導教員を通じて授業担当教員に確認すること。)

Course subject code No. (授業コード)*1	Special course subject (授業科目)	Credits (単位)	Classes per week*2 (週授業コマ数)				Lecturer or instructor (担当教員)		University (大学)
			1st year (1年)		2nd year (2年)		Name (氏名)	University (大学)	
			Fall term (秋学期)	Spring term (春学期)	Fall term (秋学期)	Spring term (春学期)			
Biorescience Production Science/Business and Agricultural Economics									
TBA	Agricultural economics	1		1			MUTO, Yukio	Kagawa	
TBA	Agricultural marketing and development	1			1		MUTO, Yukio	Kagawa	
Applied Bioresource Science/Food Science									
970360	Food protein functionalities	1		1			OGAWA, Masahiro	Kagawa	
970365	Mycotoxins and food safety	1		1			KAWAMURA, Osamu	Kagawa	
970375	Molecular nutrition and flavor chemistry of functional foods	1	1				TAMURA, Hirotooshi ・ YONEKURA, Lina	Kagawa	
970380	Applied enzymology	1			1		WATANABE, Akira ・ TAKATA, Goro ・ MORIMOTO, Kenji	Kagawa	
Applied Bioresource Science/Bioresource Science for Manufacturing									
970385	Advanced biophysical chemistry	1			1		FUKADA, Kazuhiro	Kagawa	
970390	Bioorganic chemistry and plant biochemistry	1	1				KATO, Hisashi ・ YANAGITA, Ryo	Kagawa	
970395	Plant nutrition	1	1				NOMURA, Mika	Kagawa	
970400	Secondary phytochemicals	1				1	FUJITA, Masayuki	Kagawa	
970410	Advanced wood biomass chemistry and tree biochemistry	1	1				SUZUKI, Toshisada	Kagawa	

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*2 If time schedule is not specified, ask it to the lecturer directly or through your advising professor. (開講時期が明示されていない場合は、直接あるいは指導教員を通じて授業担当教員に確認すること。)

Course subject code No. (授業コード)*1	Special course subject (授業科目)	Credits (単位)	Classes per week*2 (週授業コマ数)				Lecturer or instructor (担当教員)	
			1st year (1年)		2nd year (2年)		Name (氏名)	University (大学)
			Fall term (秋学期)	Spring term (春学期)	Fall term (秋学期)	Spring term (春学期)		
Applied Bioresource Science/Bioresource Science for Manufacturing								
970415	Molecular biology and biochemistry of extremophiles	1	1				SAKURABA, Haruhiko	Kagawa
TBA	Molecular and cellular biology	1	1				TABUCHI, Mitsuaki	Kagawa
TBA	Applied microbiology	1	1				TANAKA, Naotaka	Kagawa
TBA	Animal cell biology	1	1				SUGIYAMA, Yasunori	Kagawa
Life Environment Conservation Science/Environmental Science								
970420	Material cycles and biological processes in the shallow coastal water environment	1	1				ICHIMI, Kazuhiko ・TADA, Kuninao	Kagawa
970425	Limnology	1				1	YAMADA, Yoshihiro	Kagawa
970430	Behavior of biophilic elements in the marine environment	1	1				TADA, Kuninao ・ICHIMI, Kazuhiko	Kagawa
TBA	Evolutionary ecology	1	1				YASUI, Yukio	Kagawa

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Course subject code No. (授業コード)*1	Special course subject (授業科目)	Credits (単位)	Classes per week*2 (週授業コマ数)				Lecturer or instructor (担当教員)	
			1st year (1年)		2nd year (2年)		Name (氏名)	University (大学)
			Fall term (秋学期)	Spring term (春学期)	Fall term (秋学期)	Spring term (春学期)		
Bioresource Production Science / Plant Resource Production								
	Crop production physiology	1		1			ARAKI, Takuya	Ehime
	Molecular genetics of plant virus resistance	1	1				KOBAYASHI, Kappei	Ehime
	Soil fertility and plant production	1		1			UENO, Hideto TOMA, Yo	Ehime
	Organismal ecology and evolution	1		1			KAMIYA, Koichi	Ehime
	Terrestrial global productivity	1		1			TSUZUKI, Hayato	Ehime
Bioresource Production Science / Plant and Animal Production under Structure								
	Information Technology	1	1				HATO, Kenji	Ehime

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Students elect subjects from this table after consulting with their academic supervisor and academic advisor. (指導教員のアドバイスを受けて、表に示す授業を履修すること。)

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Course subject code No. (授業コード)*1	Special course subject (授業科目)	Credits (単位)	Classes per week*2 (週授業コマ数)			Lecturer or instructor (担当教員)	
			1st year (1年)	2nd year (2年)	Name (氏名)	University (大学)	
			Fall term (秋学期)	Spring term (春学期)			Fall term (秋学期)
Bioresource Production Science/Aquaculture and Livestock Production							
	Conservation genetics	1	1			TAKAGI, Motohiro	Ehime
	Fish reproductive physiology	1	1			MIURA, Takeshi	Ehime
	Environmental biology of fisheries	1	1			MATSUBARA, Takahiro	Ehime
Bioresource Production Science/Bioresource Economics							
	Agricultural land management	1	1			MATSUOKA, Atsushi	Ehime
	Advanced farm management	1	1			HU, Bai	Ehime
	Social management system of coastal zone	1	1 or	1		TAKENOUCHI, Naruhito	Ehime

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Students elect subjects from this table after consulting with their academic supervisor and academic advisor. (指導教員のアドバイスを受けて、表に示す授業を履修すること。)

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Course subject code No. (授業コード) *1	Special course subject (授業科目)	Credits (単位)	Classes per week *2 (週授業コマ数)				Lecturer or instructor (担当教員)	
			1st year (1年)		2nd year (2年)		Name (氏名)	University (大学)
			Fall term (秋学期)	Spring term (春学期)	Fall term (秋学期)	Spring term (春学期)		
Applied Bioresource Science/Bioresource Science for Manufacturing								
	Organic chemistry	1		1			YAMAUCHI, Satoshi	Ehime
	Organic synthesis	1			1		YAMAUCHI, Satoshi	Ehime
	Cellular regulation technology	1		1			SUGAHARA, Takuya	Ehime
	Mode of action of bioactive molecules	1		1			NISHI, Kosuke	Ehime
	Chemistry of wood products	1		1			ITO, Kazutaka	Ehime
	Genetic engineering and molecular biology	1		1			AKIYAMA, Koichi	Ehime
	Wood science and technology	1		1			SUGIMORI, Masatoshi	Ehime
	Biomass conversion	1	1	or	1		EDASHIGE, Yusuke	Ehime

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Students elect subjects from this table after consulting with their academic supervisor and academic advisor. (指導教員のアドバイスを受けて、表に示す授業を履修すること。)

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Course subject code No. (授業コード)*1	Special course subject (授業科目)	Credits (単位)	Classes per week*2 (週授業コマ数)				Lecturer or instructor (担当教員)	
			1st year (1年)		2nd year (2年)		Name (氏名)	University (大学)
			Fall term (秋学期)	Spring term (春学期)	Fall term (秋学期)	Spring term (春学期)		
Life Environment Conservation Science/Land Conservation and Irrigation Engineering								
	Biospheric aspects of atmospheric and hydrological processes	1	1	or		1	OUJE, Hiroki	Ehime
	Wastewater treatment and reuse	1			1		HARUTA, Shinsuke	Ehime
Life Environment Conservation Science/Environmental Science								
	Taxonomy and systematics	1	1				YOSHITOMI, Hiroyuki	Ehime
	Conservation of shallow water ecosystem	1	1	or		1	TAKEUCHI, Ichiro	Ehime
	Environmental microbiology	1	1				SUZUKI, Satoru	Ehime
	Environmental physical chemistry	1			1		MATSUE, Naoto	Ehime

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Students elect subjects from this table after consulting with their academic supervisor and academic advisor. (指導教員のアドバイスを受けて、表に示す授業を履修すること。)

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Course subject code No. (授業コード)*1	Special course subject (授業科目)	Credits (単位)	Classes per week*2 (週授業コマ数)				Lecturer or instructor (担当教員)	
			1st year (1年)		2nd year (2年)		Name (氏名)	University (大学)
			Fall term (秋学期)	Spring term (春学期)	Fall term (秋学期)	Spring term (春学期)		
Agriculture, Forestry, Bioresource and Environmental Sciences Course								
1 BH0 1	Advanced Agriculture, Forestry, Bioresource and Environmental Sciences I-I ----- Advanced Agriculture, Forestry, Bioresource and Environmental Sciences I-II	2	2				Staff of Kochi university	Kochi
1 BH0 2	Advanced Agriculture, Forestry, Bioresource and Environmental Sciences II- I ----- Advanced Agriculture, Forestry, Bioresource and Environmental Sciences II- II	2	2				Staff of Kochi university	Kochi
1 BH0 3	Advanced Tropical and Warm Temperate-zone Fruit Science I ----- Advanced Tropical and Warm Temperate-zone Fruit Science II	2	2				OGATA, Tsuneo	Kochi

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Agriculture, Forestry, Bioresource and Environmental Sciences Course								
1 BH 0 4	Advanced Floriculture I ----- Advanced Floriculture II	2	2			SHIMASAKI, Kazuhiko	Kochi	
1 BH 0 5	Advanced Vegetable Crop Science I ----- Advanced Vegetable Crop Science II	2	2			NISHIMURA, Yasuyo	Kochi	
1 BH 0 6	Advanced Local Resources Utilization I ----- Advanced Local Resources Utilization II	2	2			MASUDA, Kazuya	Kochi	
1 BH 0 7	Advanced Animal Science I ----- Advanced Animal Science II	2			2	MATSUKAWA, Kazutsugu	Kochi	
1 BH 0 9	Advanced Crop Science I ----- Advanced Crop Science II	2	2			MIYAZAKI, Akira	Kochi	
1 BH 1 3	Advanced Behavioural Ecology I ----- Advanced Behavioural Ecology II	2	2			ITO, Katsura	Kochi	
1 BH 1 4	Advanced Biodiversity Management I ----- Advanced Biodiversity Management II	2			2	SUZUKI, Noriyuki	Kochi	

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Agriculture, Forestry, Bioresource and Environmental Sciences Course								
1BH15	Advanced Ecological Biochemistry I ----- Advanced Ecological Biochemistry II	2		2		TEBAYASHI, Shin-ichi	Kochi	
1BH16	Advanced Agricultural Meteorology I ----- Advanced Agricultural Meteorology II	2	2			MORI, Makito	Kochi	
1BH17	Advanced Plant Resources and Functional Science I ----- Advanced Plant Resources and Functional Science II	2		2		SAKATA, Mitsukazu	Kochi	
1BH18	Advanced lecture on forest products I ----- Advanced lecture on forest products II	2	2			ICHIURA, Hideaki	Kochi	
1BH19	Advanced tropical forest tree ecophysiology I ----- Advanced tropical forest tree ecophysiology II	2		2		ICHIE, Tomoaki	Kochi	
1BH20	Advanced lecture on forest engineering I ----- Advanced lecture on forest engineering II	2	2			SUZUKI, Yasushi	Kochi	
1BH23	Advanced Food Production Process Technology I ----- Advanced Food Production Process Technology II	2		2		KAWANO, Toshio	Kochi	

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Agriculture, Forestry, Bioresource and Environmental Sciences Course								
1BH24	Advanced Water Environmental Engineering I ----- Advanced Water Environmental Engineering II	2	2				FUJIWARA, Taku	Kochi
1BH25	Advanced Hydraulic Facilities Engineering I ----- Advanced Hydraulic Facilities Engineering II	2	2				MATSUMOTO, Shinsuke	Kochi
1BH27	Advanced Environmental Water Management Engineering I ----- Advanced Environmental Water Management Engineering II	2	2				SATO, Shushi	Kochi
1BH29	Advanced Geographic Information Science I ----- Advanced Geographic Information Science II	2	2				MATSUOKA, Masayuki	Kochi
Agricultural Chemistry Course								
1BL02	Advanced Plant Nutrition I ----- Advanced Plant Nutrition II	2	2				UENO, Daisei	Kochi
1BL03	Advanced Soil Environmental Science I ----- Advanced Soil Environmental Science II	2	2				KANG, Yumei	Kochi

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Agricultural Chemistry Course							
1BL04	Advanced Soil Science and Ecology I ----- Advanced Soil Science and Ecology II	2		2		TANAKA Sota	Kochi
1BL05	Advanced Plant-Microbe Interactions Study I ----- Advanced Plant-Microbe Interactions Study II	2	2			HIKICHI, Yasufumi	Kochi
1BL06	Advanced Plant Pathology I ----- Advanced Plant Pathology II	2	2			KIBA, Akimori	Kochi
1BL07	Advanced Animal Reproduction Technology I ----- Advanced Animal Reproduction Technology II	2	2			EDASHIGE, Keisuke	Kochi
1BL08	Advanced Biomaterials Chemistry I ----- Advanced Biomaterials Chemistry II	2	2			ASHIUCHI, Makoto	Kochi
1BL10	Advanced Chemical Ecology I ----- Advanced Chemical Ecology II	2			2	KIM, Chul-Sa	Kochi
1BL11	Advanced Food Functional Chemistry I ----- Advanced Food Functional Chemistry II	2	2			KASHIWAGI, Takehiro	Kochi

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Agricultural Chemistry Course								
1BL1 2	Advanced Food Chemistry I Advanced Food Chemistry II	2		2			SHIMAMURA, Tomoko	Kochi
1BL1 3	Advanced Fermentation Physiology and Brewing I Advanced Fermentation Physiology and Brewing II	2		2			NAGATA, Shinji	Kochi
1BL1 5	Advanced Microbial Molecular Genetics I Advanced Microbial Molecular Genetics II	2		2			OHNISHI, Kouhei	Kochi
1BN0 5	Plant Nutrition Laboratory I Plant Nutrition Laboratory II	2	2				UENO, Daisei	Kochi
1BN0 6	Plant Nutrition Laboratory III Plant Nutrition Laboratory IV	2		2			UENO, Daisei	Kochi
1BN0 7	Plant Nutrition Laboratory V Plant Nutrition Laboratory VI	2			2		UENO, Daisei	Kochi
1BN0 8	Plant Nutrition Laboratory VII Plant Nutrition Laboratory VIII	2				2	UENO, Daisei	Kochi

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Agricultural Chemistry Course							
1BN09	Soil Environmental Science Laboratory I ----- Soil Environmental Science Laboratory II	2	2			KANG, Yumei	Kochi
1BN10	Soil Environmental Science Laboratory III ----- Soil Environmental Science Laboratory IV	2	2			KANG, Yumei	Kochi
1BN11	Soil Environmental Science Laboratory V ----- Soil Environmental Science Laboratory VI	2	2			KANG, Yumei	Kochi
1BN12	Soil Environmental Science Laboratory VII ----- Soil Environmental Science Laboratory VIII	2			2	KANG, Yumei	Kochi
1BN13	Soil Science Laboratory I ----- Soil Science Laboratory II	2	2			TANAKA Sota	Kochi
1BN14	Soil Science Laboratory III ----- Soil Science Laboratory IV	2			2	TANAKA Sota	Kochi
1BN15	Soil Science Laboratory V ----- Soil Science Laboratory VI	2			2	TANAKA Sota	Kochi

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Agricultural Chemistry Course								
1BN16	Soil Science Laboratory VII Soil Science Laboratory VIII	2				2	TANAKA Sota	Kochi
1BN17	Plant-Microbe Interactions Study seminar Laboratory I Plant-Microbe Interactions Study seminar Laboratory II	2	2				HIKICHI, Yasufumi	Kochi
1BN18	Plant-Microbe Interactions Study seminar Laboratory III Plant-Microbe Interactions Study seminar Laboratory IV	2	2				HIKICHI, Yasufumi	Kochi
1BN19	Plant-Microbe Interactions Study seminar Laboratory V Plant-Microbe Interactions Study seminar Laboratory VI	2		2			HIKICHI, Yasufumi	Kochi
1BN20	Plant-Microbe Interactions Study seminar Laboratory VII Plant-Microbe Interactions Study seminar Laboratory VIII	2				2	HIKICHI, Yasufumi	Kochi
1BN21	Plant Pathology Laboratory I Plant Pathology Laboratory II	2	2				KIBA, Akinori	Kochi
1BN22	Plant Pathology Laboratory III Plant Pathology Laboratory IV	2	2				KIBA, Akinori	Kochi
1BN23	Plant Pathology Laboratory V Plant Pathology Laboratory VI	2		2			KIBA, Akinori	Kochi

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Agricultural Chemistry Course								
1 B N 2 4	Plant Pathology Laboratory VII Plant Pathology Laboratory VIII	2				2	KIBA, Akinori	Kochi
1 B N 2 5	Animal Reproduction Technology Laboratory I Animal Reproduction Technology Laboratory II	2	2				EDASHIGE, Keisuke	Kochi
1 B N 2 6	Animal Reproduction Technology Laboratory III Animal Reproduction Technology Laboratory IV	2	2				EDASHIGE, Keisuke	Kochi
1 B N 2 7	Animal Reproduction Technology Laboratory V Animal Reproduction Technology Laboratory VI	2		2			EDASHIGE, Keisuke	Kochi
1 B N 2 8	Animal Reproduction Technology Laboratory VII Animal Reproduction Technology Laboratory VIII	2				2	EDASHIGE, Keisuke	Kochi
1 B N 2 9	Biomaterials Chemistry Laboratory I Biomaterials Chemistry Laboratory II	2	2				ASHIUCHI, Makoto	Kochi
1 B N 3 0	Biomaterials Chemistry Laboratory III Biomaterials Chemistry Laboratory IV	2	2				ASHIUCHI, Makoto	Kochi
1 B N 3 1	Biomaterials Chemistry Laboratory V Biomaterials Chemistry Laboratory VI	2				2	ASHIUCHI, Makoto	Kochi

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Agricultural Chemistry Course								
1 B N 3 2	Biomaterials Chemistry Laboratory VII Biomaterials Chemistry Laboratory VIII	2				2	ASHIUCHI, Makoto	Kochi
1 B N 3 7	Chemical Ecology Laboratory I Chemical Ecology Laboratory II	2	2				KIM, Chul-Sa	Kochi
1 B N 3 8	Chemical Ecology Laboratory II Chemical Ecology Laboratory II	2	2				KIM, Chul-Sa	Kochi
1 B N 3 9	Chemical Ecology Laboratory V Chemical Ecology Laboratory VI	2		2			KIM, Chul-Sa	Kochi
1 B N 4 0	Chemical Ecology Laboratory VII Chemical Ecology Laboratory VIII	2				2	KIM, Chul-Sa	Kochi
1 B N 4 1	Food Functional Chemistry Laboratory I Food Functional Chemistry Laboratory II	2	2				KASHIWAGI, Takehiro	Kochi
1 B N 4 2	Food Functional Chemistry Laboratory III Food Functional Chemistry Laboratory IV	2	2				KASHIWAGI, Takehiro	Kochi
1 B N 4 3	Food Functional Chemistry Laboratory V Food Functional Chemistry Laboratory VI	2			2		KASHIWAGI, Takehiro	Kochi

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Agricultural Chemistry Course								
1BN44	Food Functional Chemistry Laboratory VII Food Functional Chemistry Laboratory VIII	2				2	KASHIWAGI, Takehiro	Kochi
1BN45	Food Chemistry Laboratory I Food Chemistry Laboratory II	2	2				SHIMAMURA, Tomoko	Kochi
1BN46	Food Chemistry Laboratory III Food Chemistry Laboratory IV	2	2				SHIMAMURA, Tomoko	Kochi
1BN47	Food Chemistry Laboratory V Food Chemistry Laboratory VI	2		2			SHIMAMURA, Tomoko	Kochi
1BN48	Food Chemistry Laboratory VII Food Chemistry Laboratory VIII	2				2	SHIMAMURA, Tomoko	Kochi
1BN49	Fermentation Physiology and Brewing Laboratory I Fermentation Physiology and Brewing Laboratory II	2	2				NAGATA, Shinji	Kochi
1BN50	Fermentation Physiology and Brewing Laboratory III Fermentation Physiology and Brewing Laboratory IV	2	2				NAGATA, Shinji	Kochi
1BN51	Fermentation Physiology and Brewing Laboratory V Fermentation Physiology and Brewing Laboratory VI	2		2			NAGATA, Shinji	Kochi

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Agricultural Chemistry Course								
1BN52	Fermentation Physiology and Brewing Laboratory VII ----- Fermentation Physiology and Brewing Laboratory VIII	2			2	NAGATA, Shinji	Kochi	
1BN57	Microbial Molecular Genetics Laboratory I ----- Microbial Molecular Genetics Laboratory II	2	2			OHNISHI, Kouhei	Kochi	
1BN58	Microbial Molecular Genetics Laboratory III ----- Microbial Molecular Genetics Laboratory IV	2	2			OHNISHI, Kouhei	Kochi	
1BN59	Microbial Molecular Genetics Laboratory V ----- Microbial Molecular Genetics Laboratory VI	2	2		2	OHNISHI, Kouhei	Kochi	
1BN60	Microbial Molecular Genetics Laboratory VII ----- Microbial Molecular Genetics Laboratory VIII	2			2	OHNISHI, Kouhei	Kochi	
Marine Resource Science Course								
1BP04	Advanced Aquatic Environmental Science I ----- Advanced Aquatic Environmental Science II	2		2		ADACHI, Masao	Kochi	
1BP05	Advanced Coastal Ecology and Conservation I ----- Advanced Coastal Ecology and Conservation II	2		2		IKEJIMA, Kou	Kochi	

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Marine Resource Science Course								
1BP07	Advanced Fish Genetics and Breeding Science I ----- Advanced Fish Genetics and Breeding Science II	2		2		SEKI, Shingo	Kochi	
1BP08	Advanced Fish Nutrition I ----- Advanced Fish Nutrition II	2			2	MASUMOTO, Toshiro	Kochi	
1BP10	Advanced Marine Biotechnology I ----- Advanced Marine Biotechnology II	2	2			ADACHI, Kohsuke	Kochi	
1BP11	Advanced Fish Ecology I ----- Advanced Fish Ecology II	2		2		NAKAMURA, Yohei	Kochi	
1BP12	Advanced Fish Nutrient Physiology I ----- Advanced Fish Nutrient Physiology II	2	2			FUKADA, Haruhisa	Kochi	
1BP13	Advanced Aquatic Microbial Ecology I ----- Advanced Aquatic Microbial Ecology II	2	2			YAMAGUCHI, Haruo	Kochi	
1BN28	Advanced Food Science and Nutrition I ----- Advanced Food Science and Nutrition II	2	2			KUBOTA, Satoshi	Kochi	
1BP29	Advanced Marine Virology I ----- Advanced Marine Virology II	2		2		NAGASAKI, Keizo	Kochi	

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Course subject code No. (授業コード)*1	Special course subject (授業科目)	Credits (単位)	Classes per week*2 (週授業コマ数)				Lecturer or instructor (担当教員)	
			1st year (1年)		2nd year (2年)		Name (氏名)	University (大学)
			Fall term (秋学期)	Spring term (春学期)	Fall term (秋学期)	Spring term (春学期)		
Marine Resource Science Course								
1 B P 3 2	Advanced Microbiology I ----- Advanced Microbiology II	2		2			TERAMOTO, Maki	Kochi
1 B P 3 3	Advanced Molecular Pharmacology I ----- Advanced Molecular Pharmacology II	2		2			NAMBA, Takushi	Kochi

Note: The fall and spring terms correspond to the 2nd and 1st semesters of the regular course. (備考：秋学期は正規コースの2学期、春学期は1学期にあたる。)

Students elect subjects from this table after consulting with their academic supervisor and academic advisor. (指導教員のアドバイスを受けて、表に示す授業を履修すること。)

*1 Class codes may differ at each university. (授業コードは、各大学で異なる。)

*2 If time schedule is not specified, ask it to the lecturer directly or through your advising professor. (開講時期が明示されていない場合は、直接あるいは指導教員を通じて授業担当教員に確認すること。)