

Division of Agronomy and Horticultural Science

No.	Title	Instructor	Credits	Semester	Notes
AA01	Crop Environmental Physiology	Tomoyuki TANAKA	2	Oct-Mar	☆
AA02	Crop Production Ecology	Tatsuhiko SHIRAIWA	2	Apr-Sep	★ ◎
AA33	Topics in Advanced Plant Breeding	Shuhei NASUDA	2	Oct-Mar	★ ◎
AA35	Topics in Advanced Molecular Breeding	Masayoshi TERAISHI	2	Oct-Mar	☆
AA05	Vegetable and Ornamental Horticulture (Advanced Course)	TBD	2	Oct-Mar	☆ ◎
AA06	Environmental Control for Horticulture	Yoshiyuki TANAKA	2	Oct-Mar	★
AA07	Pomology (Advanced Course)	Ryutaro TAO, Hisayo YAMANE	2	Apr-Sep	☆
AA26	Fruit Tree Physiology	Ryutaro TAO, Hisayo YAMANE	2	Apr-Sep	★ ◎
AA95	Weed Ecology (Advanced Course)	Yoshiko SHIMONO	2	Apr-Sep	★
AA10	Weed Science (Advanced Course)	Shunji KUROKAWA	2	Oct-Mar	☆ ◎
AA11	Plant Production Systems (Advanced Course)		2	Oct-Mar	NA in AY2023
AA12	Agricultural Production Ecology	Hiromo INOUE	2	Apr-Sep	☆
AA13	Food Quality Design and Development (Advanced Course)	Nobuyuki MARUYAMA	2	Oct-Mar	☆ ◎
AA14	Quality Analysis and Assessment	Akira OIKAWA, Yukako HAYASHI	2	Apr-Sep	☆ ◎
AA15	Plant Production Technique	Ryohei NAKANO	2	Oct-Mar	★
AA16	Plant Production Control Science (Advanced Course)	Tetsuya NAKAZAKI	2	Oct-Mar	☆
AA21	Special Lecture of Plant Production Science I	Takako ABOSHI	1	Apr-Sep (intensive)	☆
AA22	Special Lecture of Plant Production Science II	Naohiro AOKI	1	Oct-Mar (intensive)	☆
AA23	Special Lecture of Plant Production Science III	TBD	1	Apr-Sep (intensive)	★
AA24	Special Lecture of Plant Production Science IV	TBD	1	Oct-Mar (intensive)	★
AA25	Special Lecture of Plant Production Science V	Tohru NAKAYAMA	1	Apr-Sep (intensive)	☆
AA28	Special Lecture of Plant Production Science VI	Hiroshi NAKAGAWA	1	Oct-Mar (intensive)	☆
AA29	Special Lecture of Plant Production Science VII	TBD	1	Apr-Sep (intensive)	★
AA30	Special Lecture of Plant Production Science VIII	TBD	1	Oct-Mar (intensive)	★
AB10	Crop Science Seminar 1	Tatsuhiko SHIRAIWA, Tomoyuki TANAKA, Kazuki TANIYOSHI	4	Year-long	
AB11	Crop Science Seminar 2	Tatsuhiko SHIRAIWA, Tomoyuki TANAKA, Kazuki TANIYOSHI	4	Year-long	
AB12	Plant Breeding Seminar 1	Shuhei NASUDA, Masayoshi TERAISHI, Takanori YOSHIKAWA	4	Year-long	
AB13	Plant Breeding Seminar 2	Shuhei NASUDA, Masayoshi TERAISHI, Takanori YOSHIKAWA	4	Year-long	
AB14	Vegetable and Ornamental Horticulture Seminar 1	TBD, Yoshiyuki TANAKA, Sho OHNO	4	Year-long	
AB15	Vegetable and Ornamental Horticulture Seminar 2	TBD, Yoshiyuki TANAKA, Sho OHNO	4	Year-long	
AB16	Pomology Seminar 1	Ryutaro TAO, Hisayo YAMANE, Soichiro NISHIYAMA, Tzu-Fan HSIANG	4	Year-long	
AB17	Pomology Seminar 2	Ryutaro TAO, Hisayo YAMANE, Soichiro NISHIYAMA, Tzu-Fan HSIANG	4	Year-long	
AB18	Weed Science Seminar 1	Shunji KUROKAWA, Yoshiko SHIMONO, Satoshi IWAKAMI	4	Year-long	
AB19	Weed Science Seminar 2	Shunji KUROKAWA, Yoshiko SHIMONO, Satoshi IWAKAMI	4	Year-long	

No.	Title	Instructor	Credits	Semester	Notes
AB20	Plant Production Systems-Seminar 1	Tetsuya NAKAZAKI, Hiromo INOUE, Yu IWAHASHI	4	Year-long	
AB21	Plant Production Systems-Seminar 2	Tetsuya NAKAZAKI, Hiromo INOUE, Yu IWAHASHI	4	Year-long	
AB22	Food Quality Design and Development Seminar 1	Nobuyuki MARUYAMA	4	Year-long	
AB23	Food Quality Design and Development Seminar 2	Nobuyuki MARUYAMA	4	Year-long	
AB24	Quality Analysis and Assessment-Seminar 1	Akira OIKAWA, Yukako HAYASHI, Misaki ISHIBASHI	4	Year-long	
AB25	Quality Analysis and Assessment-Seminar 2	Akira OIKAWA, Yukako HAYASHI, Misaki ISHIBASHI	4	Year-long	
AB26	Plant Production Control Science Seminar 1	Tetsuya NAKAZAKI, Ryohei NAKANO, Kyoka NAGASAKA Takahiro MAKI, TBD,TBD	4	Year-long	
AB27	Plant Production Control Science Seminar 2	Tetsuya NAKAZAKI, Ryohei NAKANO, Kyoka NAGASAKA Takahiro MAKI, TBD,TBD	4	Year-long	
AC28	Special Laboratory Work in Crop Science 1	Tatsuhiko SHIRAIWA, Tomoyuki TANAKA, Kazuki TANIYOSHI	5	Year-long	
AC29	Special Laboratory Work in Crop Science 2	Tatsuhiko SHIRAIWA, Tomoyuki TANAKA, Kazuki TANIYOSHI	5	Year-long	
AC30	Special Laboratory Work in Plant Breeding 1	Shuhehi NASUDA, Masayoshi TERAISHI, Takanori YOSHIKAWA	5	Year-long	
AC31	Special Laboratory Work in Plant Breeding 2	Shuhehi NASUDA, Masayoshi TERAISHI, Takanori YOSHIKAWA	5	Year-long	
AC32	Special Laboratory Work in Vegetable and Ornamental Horticulture 1	TBD, Yoshiyuki TANAKA, Sho OHNO	5	Year-long	
AC33	Special Laboratory Work in Vegetable and Ornamental Horticulture 2	TBD, Yoshiyuki TANAKA, Sho OHNO	5	Year-long	
AC34	Special Laboratory Work in Pomology 1	Ryutaro TAO, Hisayo YAMANE, Soichiro NISHIYAMA, Tzu-Fan HSIANG	5	Year-long	
AC35	Special Laboratory Work in Pomology 2	Ryutaro TAO, Hisayo YAMANE, Soichiro NISHIYAMA, Tzu-Fan HSIANG	5	Year-long	
AC36	Special Laboratory Work in Weed Science 1	Shunji KUROKAWA, Yoshiko SHIMONO, Satoshi IWAKAMI	5	Year-long	
AC37	Special Laboratory Work in Weed Science 2	Shunji KUROKAWA, Yoshiko SHIMONO, Satoshi IWAKAMI	5	Year-long	
AC38	Special Laboratory Work in Plant Production Systems 1	Tetsuya NAKAZAKI, Hiromo INOUE, Yu IWAHASHI	5	Year-long	
AC39	Special Laboratory Work in Plant Production Systems 2	Tetsuya NAKAZAKI, Hiromo INOUE, Yu IWAHASHI	5	Year-long	
AC40	Special Laboratory Work in Food Quality Design and Development 1	Nobuyuki MARUYAMA	5	Year-long	
AC41	Special Laboratory Work in Food Quality Design and Development 2	Nobuyuki MARUYAMA	5	Year-long	
AC42	Special Laboratory Work in Quality Analysis and Assessment 1	Akira OIKAWA, Yukako HAYASHI, Misaki ISHIBASHI	5	Year-long	
AC43	Special Laboratory Work in Quality Analysis and Assessment 2	Akira OIKAWA, Yukako HAYASHI, Misaki ISHIBASHI	5	Year-long	
AC44	Special Laboratory Work in Plant Production Control Science 1	Tetsuya NAKAZAKI, Ryohei NAKANO, Kyoka NAGASAKA Takahiro MAKI, TBD,TBD	5	Year-long	
AC45	Special Laboratory Work in Plant Production Control Science 2	Tetsuya NAKAZAKI, Ryohei NAKANO, Kyoka NAGASAKA Takahiro MAKI, TBD,TBD	5	Year-long	
AZ00	Master's Thesis				

Requirements by the Division of Agronomy and Horticultural Science

- 1) Among 30 credits required for course completion, hereinafter called "required credits", 20 credits or more should be earned from the subjects given by the chair which you belong to: Crop Science (Crop Science, Plant Breeding), Horticultural Science (Vegetable and Ornamental Horticulture, Pomology), Agricultural Ecology (Weed Science, Plant Production Systems), Food Quality Science (Food Quality Design and Development, Quality Analysis and Assessment) and Plant Production Science (Plant Production Control Science). The rest of the "required credits" should be earned by attending lectures among *Special Lectures of Plant Production Science, I to VIII* (1 credit respectively) and subjects given by other chairs or other divisions, graduate schools and organizations.
- 2) Credits of *Seminar* marked 1 & 2 and *Special Laboratory Work* marked 1 & 2 of your laboratory must be earned. Taking other laboratories' seminars or special laboratory works is not allowed.
- 3) In order to take subjects given by other divisions or other graduate schools and count them as the "required credits", prior notice to your division's office and permission from the division's chairperson are required.
- 4) Up to 6 credits earned by attending subjects given by other divisions can be counted as "required credits".
- 5) Retaking subjects which you have already completed is not allowed. The same goes even for an intensive course that has a different instructor in another year.
- 6) Subjects titled with "1" are for first-year students, and "2" are for second-year students.
- 7) Subjects with "☆" & "★" in the "Notes" column are held every 2 years alternately. Subjects with "☆" are held in this academic year and those with "★"
- 8) Subjects with "◎" may be offered in English should there be any international students.

Division of Forest and Biomaterials Science

No.	Title	Instructor	Credits	Semester	Notes
BA44	Forest Resources and Society 1	Koji MATSUSHITA,Daisuke NAITO	1	Apr-Sep (intensive)	▲☆◎
BA45	Forest Resources and Society 2	Koji MATSUSHITA	1	Apr-Sep (intensive)	▲☆
BA46	Forest Resources and Society 3	Koji MATSUSHITA,Daisuke NAITO	1	Apr-Sep (intensive)	▲★◎
BA47	Forest Resources and Society 4	Koji MATSUSHITA	1	Apr-Sep (intensive)	▲★
BA48	Tropical Forest Environments 1	Kaoru KITAJIMA	1	Apr-Sep	▲☆◎
BA49	Tropical Forest Environments 2	Kaoru KITAJIMA	1	Oct-Mar	▲☆◎
BD02	Tropical Forest Environments 3	Kaoru KITAJIMA	1	Apr-Sep (intensive)	▲★◎
BD03	Tropical Forest Environments 4	Kaoru KITAJIMA	1	Oct-Mar (intensive)	▲★◎
BD06	Forest Ecology	Yusuke ONODA	2	Apr-Sep (intensive)	☆◎
BD07	Community Ecology	Naoya OSAWA	2	Oct-Mar (intensive)	★
BA05	Forest Utilization I	Masako DANNOURA	2	Apr-Sep	★◎
BA06	Forest Utilization II	Masako DANNOURA	2	Oct-Mar	☆◎
BA50	Forest Biology 1	Yuji ISAGI	1	Apr-Sep (intensive)	▲
BA51	Forest Biology 2	Atsushi TAKAYANAGI	1	Oct-Mar	▲
BA09	Landscape Planning and Design	Shozo SHIBATA	2	Oct-Mar	★
BA10	Landscape Planning and Management	Katsue FUKAMACHI	2	Apr-Sep	☆◎
BA11	Theory of Erosion Control	Ken'ichiro KOSUGI, Kana NAKATANI,Naoya MASAOKA	2	Oct-Mar	★◎
BA12	Control of Natural Hazards in Watersheds	Ken'ichiro KOSUGI	2	Apr-Sep	☆◎
BD08	Special Lecture on Forest Hydrology	Yoshiko KOSUGI	2	Apr-Sep (intensive)	☆◎
BD09	Special Lecture on Environmental Biophysics	Yoshiko KOSUGI, Ayaka SAKABE	2	Apr-Sep (intensive)	★
BA52	Biomaterials Design 1	Koji MURATA	1	Apr-Sep (intensive)	▲☆
BA53	Biomaterials Design 2	Masashi NAKAMURA	1	Oct-Mar (intensive)	▲☆
BA54	Biomaterials Design 3	Koji MURATA	1	Apr-Sep (intensive)	▲★
BA55	Biomaterials Design 4	Masashi NAKAMURA	1	Oct-Mar (intensive)	▲★
BA56	Wood Processing 1		1		NA in AY 2023
BA57	Wood Processing 2	Yoshiyuki YANASE	1	Oct-Mar	▲☆
BA58	Wood Processing 3		1		NA in AY 2023
BA59	Wood Processing 4	Yoshiyuki YANASE	1	Oct-Mar (intensive)	▲★
BA79	Fibrous Biomaterials I	Masahisa WADA	1	Oct-Mar (intensive)	▲◎
BA80	Fibrous Biomaterials II		1		NA in AY 2023
BA60	Tree Cell Biology 1	Junji SUGIYAMA	1	Apr-Sep	▲
BA61	Tree Cell Biology 2	Arata YOSHINAGA	1	Oct-Mar	▲
BA96	Chemistry of Composite Materials I	Hiroshi KAMITAKAHARA	1	Apr-Sep (intensive)	▲

No.	Title	Instructor	Credits	Semester	Notes
BA97	Chemistry of Composite Materials II	Mariko YOSHIOKA	1	Apr-Sep	▲
BA62	Biomaterials Chemistry 1	Toshiyuki TAKANO	1	Apr-Sep (intensive)	▲
BA63	Biomaterials Chemistry 2	Yoshikuni TERAMOTO	1	Oct-Mar (intensive)	▲
BD12	Forest Biochemistry 1	Yoichi HONDA	1	Oct-Mar (intensive)	▲
BD13	Forest Biochemistry 2	Masahiro SAKAMOTO	1	Apr-Sep (intensive)	▲
BA13	Forest Information Sciences I	Ryunosuke TATENO, Shunsuke MATSUOKA	2	Oct-Mar (intensive)	★
BA14	Forest Information Sciences II	Kazuya KOBAYASHI	2	Oct-Mar (intensive)	☆
BA15	Silviculture I	Naoko TOKUCHI, Hisashi HASEGAWA	2	Oct-Mar	★
BA16	Silviculture II	Takeshi ISE, Masae ISHIHARA	2	Oct-Mar	☆
BD04	Material Biology I	Tomoya IMAI	1	Apr-Sep (intensive)	▲
BD05	Material Biology II	Suyako TAZURU	1	Oct-Mar (intensive)	▲
BA66	Bio-based Materials Physics	Hiroyuki YANO, Soichi TANAKA	2	Apr-Sep (intensive)	
BA67	Sustainable Materials	Kenji UMEMURA, Miyuki MATSUO, Shuoye CHEN	2	Apr-Sep (intensive)	
BA68	Sciences for Innovative Humano-habitability	Wakako OHMURA, Toshimitsu HATA	2	Apr-Sep (intensive)	◎
BA89	Timber Science & Engineering I	Hiroshi ISODA, Takafumi NAKAGAWA	2	Apr-Sep (intensive)	☆
BA90	Timber Science & Engineering II	Hiroshi ISODA, Takafumi NAKAGAWA	2	Apr-Sep (intensive)	★
BD01	Instrumental Analytical Science	Division of Forest and Biomaterials Science Teaching Staff	2	Oct-Mar	
BA71	Advanced Lecture in Forest Science I	Hiroshi NAKATA	1	Oct-Mar (intensive)	
BA72	Advanced Lecture in Forest Science II	Manabu KURITA	1	Oct-Mar (intensive)	
BA73	Advanced Lecture in Forest Science III	Tomiyasu MIYAURA	1	Oct-Mar (intensive)	
BA74	Advanced Lecture in Forest Science IV	Takuya TAKAHASHI	1	Oct-Mar (intensive)	
BA75	Advanced Lecture in Forest Science V	Yuko TSUNETSUGU	1	Apr-Sep (intensive)	
BA76	Advanced Lecture in Forest Science VI	Tatsuya ASHITANI	1	Apr-Sep (intensive)	
BA77	Advanced Lecture in Forest Science VII	Kiyohiko IGARASHI	1	Oct-Mar (intensive)	
BA78	Advanced Lecture in Forest Science VIII		1		NA in AY 2023
BA83	Advanced Lecture in Forest Science IX		1		NA in AY 2023
BA84	Advanced Lecture in Forest Science X		1		NA in AY 2023
BA85	Advanced Lecture in Forest Science XI		1		NA in AY 2023
BA86	Advanced Lecture in Forest Science XII		1		NA in AY 2023
BA87	Advanced Lecture in Forest Science XIII		1		NA in AY 2023
BA88	Advanced Lecture in Forest Science XIV		1		NA in AY 2023

No.	Title	Instructor	Credits	Semester	Notes
BB20	Seminar in Forest Resources and Society 1	Koji MATSUSHITA, Daisuke NAITO	4	Year-long	◎
BB21	Seminar in Forest Resources and Society 2	Koji MATSUSHITA, Daisuke NAITO	4	Year-long	◎
BB22	Seminar in Tropical Forest Environments 1	Kaoru KITAJIMA, Komei KADOWAKI, Takayuki KANEKO	4	Year-long	◎
BB23	Seminar in Tropical Forest Environments 2	Kaoru KITAJIMA, Komei KADOWAKI, Takayuki KANEKO	4	Year-long	◎
BB64	Seminar in Forest Ecology 1	Yusuke ONODA, Naoya OSAWA, Ryota AOYAGI	4	Year-long	
BB65	Seminar in Forest Ecology 2	Yusuke ONODA, Naoya OSAWA, Ryota AOYAGI	4	Year-long	
BB24	Seminar in Forest Utilization 1	Masako DANNOURA, Minori TOKITO	4	Year-long	◎
BB25	Seminar in Forest Utilization 2	Masako DANNOURA, Minori TOKITO	4	Year-long	◎
BB26	Seminar in Forest Biology 1	Yuji ISAGI, Atsushi TAKAYANAGI, Michimasa YAMASAKI	4	Year-long	
BB27	Seminar in Forest Biology 2	Yuji ISAGI, Atsushi TAKAYANAGI, Michimasa YAMASAKI	4	Year-long	
BB28	Seminar in Landscape Architecture 1	Shozo SHIBATA, Katsue FUKAMACHI, Ryo NUKINA	4	Year-long	
BB29	Seminar in Landscape Architecture 2	Shozo SHIBATA, Katsue FUKAMACHI, Ryo NUKINA	4	Year-long	
BB30	Seminar in Erosion Control 1	Ken'ichiro KOSUGI, Kana NAKATANI, Naoya MASAOKA	4	Year-long	
BB31	Seminar in Erosion Control 2	Ken'ichiro KOSUGI, Kana NAKATANI, Naoya MASAOKA	4	Year-long	
BB66	Seminar in Forest Hydrology 1	Yoshiko KOSUGI, Ayaka SAKABE	4	Year-long	◎
BB67	Seminar in Forest Hydrology 2	Yoshiko KOSUGI, Ayaka SAKABE	4	Year-long	◎
BB32	Seminar in Biomaterials Design 1	Masashi NAKAMURA, Koji MURATA	4	Year-long	
BB33	Seminar in Biomaterials Design 2	Masashi NAKAMURA, Koji MURATA	4	Year-long	
BB34	Seminar in Wood Processing 1	Yoshiyuki YANASE, Yutaka SAWADA	4	Year-long	
BB35	Seminar in Wood Processing 2	Yoshiyuki YANASE, Yutaka SAWADA	4	Year-long	
BB36	Seminar in Fibrous Biomaterials 1	Masahisa WADA, Kayoko KOBAYASHI	4	Year-long	
BB37	Seminar in Fibrous Biomaterials 2	Masahisa WADA, Kayoko KOBAYASHI	4	Year-long	
BB38	Seminar on Tree Cell Biology 1	Junji SUGIYAMA, Arata YOSHINAGA, Tatsuya AWANO	4	Year-long	
BB39	Seminar on Tree Cell Biology 2	Junji SUGIYAMA, Arata YOSHINAGA, Tatsuya AWANO	4	Year-long	
BB40	Seminar of Composite Materials Chemistry 1	Hiroshi KAMITAKAHARA, Mariko YOSHIOKA, Kazuki SUGIMURA	4	Year-long	
BB41	Seminar of Composite Materials Chemistry 2	Hiroshi KAMITAKAHARA, Mariko YOSHIOKA, Kazuki SUGIMURA	4	Year-long	
BB42	Seminar in Biomaterials Chemistry 1	Toshiyuki TAKANO, Yoshikuni TERAMOTO	4	Year-long	
BB43	Seminar in Biomaterials Chemistry 2	Toshiyuki TAKANO, Yoshikuni TERAMOTO	4	Year-long	
BB68	Seminar in Forest Biochemistry 1	Yoichi HONDA, Masahiro SAKAMOTO, Takehito NAKAZAWA, Moriyuki KAWAUCHI	4	Year-long	◎
BB69	Seminar in Forest Biochemistry 2	Yoichi HONDA, Masahiro SAKAMOTO, Takehito NAKAZAWA, Moriyuki KAWAUCHI	4	Year-long	◎
BB44	Seminar in Forest Information 1	Ryunosuke TATENO, Kazuya KOBAYASHI	4	Year-long	
BB45	Seminar in Forest Information 2	Ryunosuke TATENO, Kazuya KOBAYASHI	4	Year-long	
BB46	Seminar in Silviculture 1	Naoko TOKUCHI, Hisashi HASEGAWA, Takeshi ISE Masae ISHIHARA	4	Year-long	
BB47	Seminar in Silviculture 2	Naoko TOKUCHI, Hisashi HASEGAWA, Takeshi ISE Masae ISHIHARA	4	Year-long	
BB50	Seminar in Bio-based Material Science 1	Hiroyuki YANO, Soichi TANAKA	4	Year-long	◎
BB51	Seminar in Bio-based Material Science 2	Hiroyuki YANO, Soichi TANAKA	4	Year-long	◎
BB52	Seminar in Sustainable Materials 1	Kenji UMEMURA, Miyuki MATSUO, Shuoye CHEN	4	Year-long	
BB53	Seminar in Sustainable Materials 2	Kenji UMEMURA, Miyuki MATSUO, Shuoye CHEN	4	Year-long	
BB54	Seminar on Sciences for Innovative Humano-habitability 1	Wakako OHMURA, Toshimitsu HATA	4	Year-long	◎
BB55	Seminar on Sciences for Innovative Humano-habitability 2	Wakako OHMURA, Toshimitsu HATA	4	Year-long	◎
BB62	Seminar in Material Biology 1	Tomoya IMAI, Suyako TAZURU, Kei'ichi BABA	4	Year-long	
BB63	Seminar in Material Biology 2	Tomoya IMAI, Suyako TAZURU, Kei'ichi BABA	4	Year-long	
BB60	Seminar on Timber Science & Engineering1	Hiroshi ISODA, Takafumi NAKAGAWA	4	Year-long	
BB61	Seminar on Timber Science & Engineering2	Hiroshi ISODA, Takafumi NAKAGAWA	4	Year-long	

No.	Title	Instructor	Credits	Semester	Notes
BC20	Laboratory Course in Forest Resources and Society 1	Koji MATSUSHITA, Daisuke NAITO	5	Year-long	◎
BC21	Laboratory Course in Forest Resources and Society 2	Koji MATSUSHITA, Daisuke NAITO	5	Year-long	◎
BC22	Practice in Tropical Forest Environments 1	Kaoru KITAJIMA, Komei KADOWAKI, Takayuki KANEKO	5	Year-long	◎
BC23	Practice in Tropical Forest Environments 2	Kaoru KITAJIMA, Komei KADOWAKI, Takayuki KANEKO	5	Year-long	◎
BC64	Laboratory Course in Forest Ecology 1	Yusuke ONODA, Naoya OSAWA, Ryota AOYAGI	5	Year-long	
BC65	Laboratory Course in Forest Ecology 2	Yusuke ONODA, Naoya OSAWA, Ryota AOYAGI	5	Year-long	
BC24	Laboratory Course in Forest Utilization 1	Masako DANNOURA, Minoru TOKITO	5	Year-long	◎
BC25	Laboratory Course in Forest Utilization 2	Masako DANNOURA, Minoru TOKITO	5	Year-long	◎
BC26	Laboratory Course in Forest Biology 1	Yuji ISAGI, Atsushi TAKAYANAGI, Michimasa YAMASAKI	5	Year-long	
BC27	Laboratory Course in Forest Biology 2	Yuji ISAGI, Atsushi TAKAYANAGI, Michimasa YAMASAKI	5	Year-long	
BC28	Laboratory Works in Landscape Architecture 1	Shozo SHIBATA, Katsue FUKAMACHI, Ryo NUKINA	5	Year-long	
BC29	Laboratory Works in Landscape Architecture 2	Shozo SHIBATA, Katsue FUKAMACHI, Ryo NUKINA	5	Year-long	
BC30	Laboratory Works in Erosion Control 1	Ken'ichiro KOSUGI, Kana NAKATANI, Naoya MASAOKA	5	Year-long	
BC31	Laboratory Works in Erosion Control 2	Ken'ichiro KOSUGI, Kana NAKATANI, Naoya MASAOKA	5	Year-long	
BC66	Laboratory Course in Forest Hydrology 1	Yoshiko KOSUGI, Ayaka SAKABE	5	Year-long	◎
BC67	Laboratory Course in Forest Hydrology 2	Yoshiko KOSUGI, Ayaka SAKABE	5	Year-long	◎
BC32	Laboratory Course in Biomaterials Design 1	Masashi NAKAMURA, Koji MURATA	5	Year-long	
BC33	Laboratory Course in Biomaterials Design 2	Masashi NAKAMURA, Koji MURATA	5	Year-long	
BC34	Laboratory Course in Wood Processing 1	Yoshiyuki YANASE, Yutaka SAWADA	5	Year-long	
BC35	Laboratory Course in Wood Processing 2	Yoshiyuki YANASE, Yutaka SAWADA	5	Year-long	
BC36	Laboratory Course in Fibrous Biomaterials 1	Masahisa WADA, Ryosuke KUSUMI, Kayoko KOBAYASHI	5	Year-long	
BC37	Laboratory Course in Fibrous Biomaterials 2	Masahisa WADA, Ryosuke KUSUMI, Kayoko KOBAYASHI	5	Year-long	
BC38	Laboratory Course in Tree Cell Biology 1	Junji SUGIYAMA, Arata YOSHINAGA, Tatsuya AWANO	5	Year-long	
BC39	Laboratory Course in Tree Cell Biology 2	Junji SUGIYAMA, Arata YOSHINAGA, Tatsuya AWANO	5	Year-long	
BC40	Laboratory Course of Composite Materials Chemistry 1	Hiroshi KAMITAKAHARA, Mariko YOSHIOKA, Kazuki SUGIMURA	5	Year-long	
BC41	Laboratory Course of Composite Materials Chemistry 2	Hiroshi KAMITAKAHARA, Mariko YOSHIOKA, Kazuki SUGIMURA	5	Year-long	
BC42	Laboratory Course in Biomaterials Chemistry 1	Toshiyuki TAKANO, Yoshikuni TERAMOTO	5	Year-long	
BC43	Laboratory Course in Biomaterials Chemistry 2	Toshiyuki TAKANO, Yoshikuni TERAMOTO	5	Year-long	
BC68	Laboratory Course in Forest Biochemistry 1	Yoichi HONDA, Masahiro SAKAMOTO, Takehito NAKAZAWA, Moriyuki KAWAUCHI	5	Year-long	◎
BC69	Laboratory Course in Forest Biochemistry 2	Yoichi HONDA, Masahiro SAKAMOTO, Takehito NAKAZAWA, Moriyuki KAWAUCHI	5	Year-long	◎
BC44	Laboratory Course in Forest Information 1	Ryunosuke TATENO, Kazuya KOBAYASHI	5	Year-long	
BC45	Laboratory Course in Forest Information 2	Nao SAKANOU, Asami NAKANISHI, Shunsuke MATSUOKA, Yoriko SUGIYAMA Ryunosuke TATENO, Kazuya KOBAYASHI	5	Year-long	
BC46	Practical Course in Silviculture 1	Naoko TOKUCHI, Hisashi HASEGAWA, Takeshi ISE Masae ISHIIHARA	5	Year-long	
BC47	Practical Course in Silviculture 2	Naoko TOKUCHI, Hisashi HASEGAWA, Takeshi ISE Masae ISHIIHARA	5	Year-long	
BC50	Laboratory Course in Bio-based Materials 1	Hiroyuki YANO, Soichi TANAKA	5	Year-long	◎
BC51	Laboratory Course in Bio-based Materials 2	Hiroyuki YANO, Soichi TANAKA	5	Year-long	◎
BC52	Laboratory Course in Sustainable Materials 1	Kenji UMEMURA, Miyuki MATSUO, Shuoye CHEN	5	Year-long	
BC53	Laboratory Course in Sustainable Materials 2	Kenji UMEMURA, Miyuki MATSUO, Shuoye CHEN	5	Year-long	
BC54	Experimental Course for Sciences for Innovative Humano-habitability 1	Wakako OHMURA, Toshimitsu HATA	5	Year-long	◎
BC55	Experimental Course for Sciences for Innovative Humano-habitability 2	Wakako OHMURA, Toshimitsu HATA	5	Year-long	◎
BC62	Laboratory Course of Material Biology 1	Tomoya IMAI, Suyako TAZURU, Kei'ichi BABA	5	Year-long	
BC63	Laboratory Course of Material Biology 2	Tomoya IMAI, Suyako TAZURU, Kei'ichi BABA	5	Year-long	
BC60	Experimental Course for Timber Science & Engineering 1	Hiroshi ISODA, Takafumi NAKAGAWA	5	Year-long	
BC61	Experimental Course for Timber Science & Engineering 2	Hiroshi ISODA, Takafumi NAKAGAWA	5	Year-long	
BZ01	Internship	Instructors from Division of Forest and Biomaterials Science	1	Year-long	
BZ02	Internship in wood structure	Hiroshi ISODA, Takafumi NAKAGAWA	4	Year-long	
BZ01	Master's Thesis				

Requirements by Division of Forest and Biomaterials Science

- 1) Earn more than 30 credits including 8 credits by seminars and 10 credits by laboratory works given by your laboratory.
- 2) In order to take other laboratories' seminars or special laboratory works, get permission from your supervisor and the instructor.
- 3) In order to take other divisions' courses and earn credits, get permission from your division's office at the time of registration.
- 4) One can obtain credits for a course of the same title only once even if it is taught by different instructors in different years.
- 5) Seminar and Laboratory Course titles with "1" are for the first year students and "2" are for the second year students.
- 6) Subjects with "☆&★ marks" are held every 2 years alternately.
Subjects with "☆ marks" are held in this academic year and those with "★ marks" in the next academic year.
- 7) Subjects with "◎ marks" may be given in English when any of international students wish to attend.
- 8) Subjects with "▲ marks" consist of 8 lectures.

Division of Applied Life Sciences

No.	Title	Instructor	Credits	Semester	Notes
CA01	Applied Life Sciences I	Hideto MIYOSHI, Osamu SHIRAI	1	Apr-Sep (Intensive)	1
CA02	Applied Life Sciences II	Naoki MORI, Shinjiro YAMAGUCHI, Hajime ONO	1	Apr-Sep (Intensive)	1
CA03	Applied Life Sciences III	Takashi WATANABE, Noriyuki KIOKA, Kenji SUGASE Ayako FURUKAWA, Yasuhisa KIMURA Takahito WATANABE, Hiroshi NISHIMURA	1	Apr-Sep (Intensive)	1
CA04	Applied Life Sciences IV	Yasuyoshi SAKAI, Kazufumi YAZAKI	1	Apr-Sep (Intensive)	1
CA05	Industrial Microbiology	Makoto UEDA, Ryotaro HARA, Michiki TAKEUCHI	1	Apr-Sep (Intensive)	1
CA06	Applied Life Sciences V	Jun OGAWA, Tatsuo KURIHARA, Yoshiharu INOUE	1	Oct-Mar (Intensive)	1
CA07	Applied Life Sciences VI	Kentaro IFUKU	1	Oct-Mar (Intensive)	1
CA08	Bioanalytical and Biophysical Chemistry	Osamu SHIRAI, Yuki KITAZUMI, Keisei SOWA	1	Oct-Mar (Intensive)	2
CA09	Chemistry of Bioregulation		1	N/A	2
CA10	Introduction to Chemistry of Molecular Biocatalysts	Shinjiro YAMAGUCHI, Kiyoshi MASHIGUCHI	1	Oct-Mar (Intensive)	2
CA11	Plant Nutrients -Function and Acquisition-	Kentaro IFUKU, Masaru KOBAYASHI, Kumiko OCHIAI, Kaori KOHZUMA	1	Apr-Sep (Intensive)	2
CA12	Fermentation Physiology and Applied Microbiology	Jun OGAWA, Shigenobu KISHINO, Akinori ANDO	1	Apr-Sep (Intensive)	2
CA13	Plant Metabolic Science	Yuki TOBIMATSU	1	Apr-Sep (Intensive)	2
CA14	Cellular Bioenergy Conversion	Yoshiharu INOUE	1	Apr-Sep (Intensive)	2
CA15	Applied Structural Biology		1	N/A	2
CA16	Chemical Ecology	Kimihiko MIZUTANI Naoki MORI, Hajime ONO, Naoko YOSHINAGA	1	Apr-Sep (Intensive)	2
CA17	Molecular Microbial Science	Tatsuo KURIHARA, Jun KAWAMOTO, Takuya OGAWA	1	Apr-Sep (Intensive)	2
CA18	Biotechnology of Molecular and Cellular Regulation	Yasuyoshi SAKAI, Hiroya YURIMOTO	1	Apr-Sep (Intensive)	2
CA19	Chemistry of Biological Activity	Hideto MIYOSHI, Masatoshi MURAI, Takahiro MASUYA	1	Apr-Sep (Intensive)	2
CA20	Cellular Biochemistry	Noriyuki KIOKA, Yasuhisa KIMURA, Mito KURODA	1	Apr-Sep (Intensive)	2
CA21	Biomacromolecular Chemistry	Kenji SUGASE, Ayako FURUKAWA	1	Apr-Sep (Intensive)	2
CA22	Plant Gene Expression	Kazufumi YAZAKI, Akifumi SUGIYAMA	1	Apr-Sep (Intensive)	2
CA23	Chemistry of Wood Biomass Conversion	Takashi WATANABE, Takahito WATANABE Hiroshi NISHIMURA	1	Apr-Sep (Intensive)	2
CA28	Applied Microbiology for Human Life	Jun OGAWA, Yasuyoshi SAKAI, Yoshiharu INOUE	1	Oct-Mar (Intensive)	1, 2 △
CA29	Advanced Applied Biochemistry	Takashi WATANABE, Noriyuki KIOKA, Kenji SUGASE	1	Oct-Mar (Intensive)	1, 2 △
CA34	Applied Plant Sciences	Kazufumi YAZAKI, Shinjiro YAMAGUCHI Kentaro IFUKU, Masaru KOBAYASHI, Akifumi SUGIYAMA, Yuki TOBIMATSU, Kaori KOHZUMA	1	Oct-Mar (Intensive)	1, 2 △
CA24	Life Sciences I (Advanced Course)	Amane MAKINO	1	Oct-Mar (Intensive)	1, 2
CA25	Life Sciences II (Advanced Course)		1	N/A	
CA26	Life Sciences III (Advanced Course)		1	N/A	
CA27	Life Sciences IV (Advanced Course)	Shinji DEGUCHI	1	Oct-Mar (Intensive)	1, 2
CA32	Life Sciences V (Advanced Course)		1	N/A	
CA33	Life Sciences VI (Advanced Course)		1	N/A	

No.	Title	Instructor	Credits	Semester	Notes
CB17	Cellular Biochemistry Seminar 1	Noriyuki KIOKA, Yasuhisa KIMURA, Mito KURODA Koh NAGATA, Atsushi KODAN	3	Year-long	◎
CB18	Cellular Biochemistry Seminar 2	Noriyuki KIOKA, Yasuhisa KIMURA, Mito KURODA Koh NAGATA, Atsushi KODAN	3	Year-long	◎
CB19	Macromolecular Bioscience Seminar 1	Kenji SUGASE, Ayako FURUKAWA	3	Year-long	◎
CB20	Macromolecular Bioscience Seminar 2	Kenji SUGASE, Ayako FURUKAWA	3	Year-long	◎
CB21	Bioregulation Chemistry Seminar 1	Masahiro MIYASHITA	3	Year-long	◎
CB22	Bioregulation Chemistry Seminar 2	Masahiro MIYASHITA	3	Year-long	◎
CB23	Chemical Ecology Seminar 1	Naoki MORI, Hajime ONO, Naoko YOSHINAGA	3	Year-long	◎
CB24	Chemical Ecology Seminar 2	Naoki MORI, Hajime ONO, Naoko YOSHINAGA	3	Year-long	◎
CB25	Plant Nutrition Seminar 1	Kentaro IFUKU, Masaru KOBAYASHI, Kumiko OCHIALI, Kaori KOHZUMA	3	Year-long	◎
CB26	Plant Nutrition Seminar 2	Kentaro IFUKU, Masaru KOBAYASHI, Kumiko OCHIALI, Kaori KOHZUMA	3	Year-long	◎
CB29	Fermentation Physiology and Applied Microbiology Seminar 1	Jun OGAWA, Shigenobu KISHINO, Akinori ANDO, Makoto UEDA, Ryotaro HARA, Michiki TAKEUCHI Ayumi Tanimura	3	Year-long	◎
CB30	Fermentation Physiology and Applied Microbiology Seminar 2	Jun OGAWA, Shigenobu KISHINO, Akinori ANDO, Makoto UEDA, Ryotaro HARA, Michiki TAKEUCHI Ayumi Tanimura	3	Year-long	◎
CB31	Microbial Biotechnology Seminar 1	Yasuyoshi SAKAI, Hiroya YURIMOTO, Kosuke SHIRAIISHI	3	Year-long	◎
CB32	Microbial Biotechnology Seminar 2	Yasuyoshi SAKAI, Hiroya YURIMOTO, Kosuke SHIRAIISHI	3	Year-long	◎
CB33	Bioanalytical and Biophysical Chemistry Seminar 1	Osamu SHIRAI, Yuki KITAZUMI, Keisei SOWA	3	Year-long	◎
CB34	Bioanalytical and Biophysical Chemistry Seminar 2	Osamu SHIRAI, Yuki KITAZUMI, Keisei SOWA	3	Year-long	◎
CB35	Biofunction Chemistry Seminar 1	Hideto MIYOSHI, Masatoshi MURAI, Takahiro MASUYA	3	Year-long	◎
CB36	Biofunction Chemistry Seminar 2	Hideto MIYOSHI, Masatoshi MURAI, Takahiro MASUYA	3	Year-long	◎
CB27	Cellular Bioenergy Conversion Seminar 1	Yoshiharu INOUE, Wataru NOMURA	3	Year-long	◎
CB28	Cellular Bioenergy Conversion Seminar 2	Yoshiharu INOUE, Wataru NOMURA	3	Year-long	◎
CB37	Applied Structural Biology Seminar 1	Kimihiko MIZUTANI	3	N/A	◎
CB38	Applied Structural Biology Seminar 2	Kimihiko MIZUTANI	3	N/A	◎
CB39	Chemistry of Molecular Biocatalysts Seminar 1	Shinjiro YAMAGUCHI, Kiyoshi MASHIGUCHI	3	Year-long	◎
CB40	Chemistry of Molecular Biocatalysts Seminar 2	Shinjiro YAMAGUCHI, Kiyoshi MASHIGUCHI	3	Year-long	◎
CB41	Molecular Microbial Science Seminar 1	Tatsuo KURIHARA, Jun KAWAMOTO, Takuya OGAWA	3	Year-long	◎
CB42	Molecular Microbial Science Seminar 2	Tatsuo KURIHARA, Jun KAWAMOTO, Takuya OGAWA	3	Year-long	◎
CB43	Seminar on Plant Gene Expression 1	Kazufumi YAZAKI, Akifumi SUGIYAMA, Ryosuke MUNAKATA	3	Year-long	◎
CB44	Seminar on Plant Gene Expression 2	Kazufumi YAZAKI, Akifumi SUGIYAMA, Ryosuke MUNAKATA	3	Year-long	◎
CB45	Seminar on Plant Metabolic Science 1	Yuki TOBIMATSU	3	Year-long	◎
CB46	Seminar on Plant Metabolic Science 2	Yuki TOBIMATSU	3	Year-long	◎
CB47	Seminar on Chemistry of Wood Biomass Conversion 1	Takashi WATANABE, Takahito WATANABE, Hiroshi NISHIMURA	3	Year-long	◎
CB48	Seminar on Chemistry of Wood Biomass Conversion 2	Takashi WATANABE, Takahito WATANABE, Hiroshi NISHIMURA	3	Year-long	◎
CC17	Experimental Course of Cellular Biochemistry 1	Noriyuki KIOKA, Yasuhisa KIMURA, Mito KURODA Koh NAGATA, Atsushi KODAN	6	Year-long	◎
CC18	Experimental Course of Cellular Biochemistry 2	Noriyuki KIOKA, Yasuhisa KIMURA, Mito KURODA Koh NAGATA, Atsushi KODAN	6	Year-long	◎
CC19	Experimental Course of Macromolecular Bioscience 1	Kenji SUGASE, Ayako FURUKAWA	6	Year-long	◎
CC20	Experimental Course of Macromolecular Bioscience 2	Kenji SUGASE, Ayako FURUKAWA	6	Year-long	◎
CC21	Experimental Course of Bioregulation Chemistry 1	Masahiro MIYASHITA	6	Year-long	◎
CC22	Experimental Course of Bioregulation Chemistry 2	Masahiro MIYASHITA	6	Year-long	◎
CC23	Experimental Course of Chemical Ecology 1	Naoki MORI, Hajime ONO, Naoko YOSHINAGA	6	Year-long	◎
CC24	Experimental Course of Chemical Ecology 2	Naoki MORI, Hajime ONO, Naoko YOSHINAGA	6	Year-long	◎
CC25	Experimental Course of Plant Nutrition 1	Kentaro IFUKU, Masaru KOBAYASHI, Kumiko OCHIALI, Kaori KOHZUMA	6	Year-long	◎
CC26	Experimental Course of Plant Nutrition 2	Kentaro IFUKU, Masaru KOBAYASHI, Kumiko OCHIALI, Kaori KOHZUMA	6	Year-long	◎
CC29	Experimental Course of Fermentation Physiology and Applied Microbiology 1	Jun OGAWA, Shigenobu KISHINO, Akinori ANDO, Makoto UEDA, Ryotaro HARA, Michiki TAKEUCHI Ayumi Tanimura	6	Year-long	◎
CC30	Experimental Course of Fermentation Physiology and Applied Microbiology 2	Jun OGAWA, Shigenobu KISHINO, Akinori ANDO, Makoto UEDA, Ryotaro HARA, Michiki TAKEUCHI Ayumi Tanimura	6	Year-long	◎
CC31	Experimental Course of Microbial Biotechnology 1	Yasuyoshi SAKAI, Hiroya YURIMOTO, Kosuke SHIRAIISHI	6	Year-long	◎
CC32	Experimental Course of Microbial Biotechnology 2	Yasuyoshi SAKAI, Hiroya YURIMOTO, Kosuke SHIRAIISHI	6	Year-long	◎
CC33	Experimental Course of Bioanalytical and Biophysical Chemistry 1	Osamu SHIRAI, Yuki KITAZUMI, Keisei SOWA	6	Year-long	◎
CC34	Experimental Course of Bioanalytical and Biophysical Chemistry 2	Osamu SHIRAI, Yuki KITAZUMI, Keisei SOWA	6	Year-long	◎
CC35	Experimental Course of Biofunction Chemistry 1	Hideto MIYOSHI, Masatoshi MURAI, Takahiro MASUYA	6	Year-long	◎
CC36	Experimental Course of Biofunction Chemistry 2	Hideto MIYOSHI, Masatoshi MURAI, Takahiro MASUYA	6	Year-long	◎
CC27	Experimental Course of Bioenergy Conversion 1	Yoshiharu INOUE, Wataru NOMURA	6	Year-long	◎
CC28	Experimental Course of Bioenergy Conversion 2	Yoshiharu INOUE, Wataru NOMURA	6	Year-long	◎
CC37	Experimental Course of Applied Structural Biology 1	Kimihiko MIZUTANI	6	N/A	◎
CC38	Experimental Course of Applied Structural Biology 2	Kimihiko MIZUTANI	6	N/A	◎
CC39	Experimental Course of Chemistry of Molecular Biocatalysts 1	Shinjiro YAMAGUCHI, Kiyoshi MASHIGUCHI	6	Year-long	◎
CC40	Experimental Course of Chemistry of Molecular Biocatalysts 2	Shinjiro YAMAGUCHI, Kiyoshi MASHIGUCHI	6	Year-long	◎
CC41	Experimental Course of Molecular Microbial Science 1	Tatsuo KURIHARA, Jun KAWAMOTO, Takuya OGAWA	6	Year-long	◎
CC42	Experimental Course of Molecular Microbial Science 2	Tatsuo KURIHARA, Jun KAWAMOTO, Takuya OGAWA	6	Year-long	◎

No.	Title	Instructor	Credits	Semester	Notes
CC43	Experimental Course of Plant Gene Expression 1	Kazufumi YAZAKI, Akifumi SUGIYAMA, Ryosuke MUNAKATA	6	Year-long	◎
CC44	Experimental Course of Plant Gene Expression 2	Kazufumi YAZAKI, Akifumi SUGIYAMA, Ryosuke MUNAKATA	6	Year-long	◎
CC45	Experimental Course of Plant Metabolic Science 1	Yuki TOBIMATSU	6	Year-long	◎
CC46	Experimental Course of Plant Metabolic Science 2	Yuki TOBIMATSU	6	Year-long	◎
CC47	Experimental Course of Chemistry of Wood Biomass Conversion 1	Takashi WATANABE, Takahito WATANABE, Hiroshi NISHIMURA	6	Year-long	◎
CC48	Experimental Course of Chemistry of Wood Biomass Conversion 2	Takashi WATANABE, Takahito WATANABE, Hiroshi NISHIMURA	6	Year-long	◎
CZ00	Master's Thesis				

Requirements by Division of Applied Life Sciences

1) Earn more than 30 credits including 6 credits by seminar and 12 credits by experimental course given by your laboratory.

* Including more than 4 credits for second year students (This is not applied to the students for Special Course in Agricultural Sciences).

2) Subjects with "△ marks" target international students.

3) In order to take other divisions' courses and earn them as credits, get permission from your division's office at the time of registration.

4) Although some intensive courses have different instructors every year, a course can be registered once only and not allowed to take same course two times.

5) Course title and subjects with "1" are for first year students and "2" are for second year students.

6) Subjects with "◎ marks" may be given in English when any of international students wish to attend.

Division of Applied Biosciences

No.	Title	Instructor	Credits	Semester	Notes
DA01	Advanced Genetics I	Kentaro YOSHIDA, Yoshihiro INOUE	2	Oct-Mar	★ ◎
DA02	Advanced Genetics II	Kentaro YOSHIDA, Yoshihiro INOUE	2	Apr-Sep	☆ ◎
DA52	Crop Evolutionary Genomics	Ryohei TERAUCHI	2	Oct-Mar (intensive)	★
DA53	Genome Bioinformatics	Ryohei TERAUCHI	2	Oct-Mar (intensive)	☆
DA05	Plant Pathology (Advanced Course) I	Yoshitaka TAKANO	2	Oct-Mar	★
DA06	Plant Pathology (Advanced Course) II	Kazuyuki MISE, Akira MINE	2	Apr-Sep	☆
DA45	Sociobiology of Insects	Kenji MATSUURA, Mamoru TAKATA	2	Oct-Mar	☆
DA08	Evolutionary Ecology of Insects	Kenji MATSUURA, Mamoru TAKATA	2	Apr-Sep	☆
DA09	Advances in Insect Physiology	Takaaki DAIMON, Takahiro OHDE, Toshiya ANDO	2	Oct-Mar (intensive)	★
DA50	Fisheries and Environmental Oceanography I	Hiroichi MITAMURA, Kotaro ICHIKAWA, Shiho KOBAYASHI, Satoko S. KIMURA, Manabu KUME, Junichi TAKAGI	2	Oct-Mar	☆
DA51	Fisheries and Environmental Oceanography II	Kotaro ICHIKAWA, Hiroichi MITAMURA, Shiho KOBAYASHI, Satoko S. KIMURA, Manabu KUME, Junichi TAKAGI	2	Oct-Mar	★ ◎
DA12	Fisheries Biology for Marine Stock Enhancement	TBD	2	TBD	NA in AY2023
DA13	Biology of Marine Resources	Masatomo TAGAWA	2	Apr-Sep	★
DA14	Current Topics in Marine Microbiology	Takashi YOSHIDA	2	Apr-Sep	☆ ◎
DA15	Marine Microbial Physiology	Ryoma KAMIKAWA	2	Oct-Mar	★
DA55	Aquatic Environmental Microbiology	Shigeki SAWAYAMA	1	Oct-Mar (first half)	★
DA48	Marine Environmental Microbiology	Satoshi NAKAGAWA	2	Apr-Sep	☆
DA18	Marine Bio-products Technology	TBD	2	TBD	NA in AY2023
DA19	Biochemistry of Aquatic Life	Tatsuya SUGAWARA	2	Apr-Sep	☆
DA20	Function of Marine Organisms	Kenji SATO	2	Apr-Sep	◎
DA58	Aquatic Cell Engineering	Masato KINOSHITA	2	Oct-Mar	
DA22	Ecology of Marine Living Resources	Reiji MASUDA, Yoshiaki KAI, Keita SUZUKI, Kohji TAKAHASHI, Yumi HENMI	2	Apr-Sep (intensive)	★
DA23	Advanced Animal Breeding and Genetics	Norihide YOKOI, Yukio TANIGUCHI	2	Apr-Sep	★
DA24	Animal Genomics	Norihide YOKOI, Yukio TANIGUCHI	2	Apr-Sep	☆
DA25	Reproductive Biology	Shuntaro IKEDA	2	Oct-Mar	★
DA26	Developmental and Genetic Engineering	TBD	2	Oct-Mar	★
DA43	Molecular Embryology in Mammals	Shuntaro IKEDA	2	Apr-Sep	☆
DA57	Advances in Animal Nutrition	Masayuki FUNABA	2	Apr-Sep	☆
DA28	Metabolism and its Regulation of Animals	Masayuki FUNABA	2	Apr-Sep	★
DA29	Animal Physiology and Anatomy	Takeshi Ohta, Miki SUGIMOTO	2	Oct-Mar	☆
DA56	Animal Pathophysiology	Takeshi Ohta, Kinuko UNO	2	Oct-Mar	★
DA31	System Science for Animal Production	Hiroyuki HIROOKA	2	Oct-Mar	★
DA32	Animal Production in Tropics	Hajime KUMAGAI	2	Apr-Sep	☆
DA49	Advanced Course on Entomological Sciences	Takaaki DAIMON and other instructors	2		NA in AY2023
DA34	Special Lecture for Applied Biosciences I	Shigeru OKADA	1	Apr-Sep (intensive)	
DA35	Special Lecture for Applied Biosciences II	Susumu MITSUTAKE	1	Oct-Mar (intensive)	
DA36	Special Lecture for Applied Biosciences III	Yoshihiro MATSUOKA	1	Oct-Mar (intensive)	
DA40	Special Lecture for Applied Biosciences IV	Yuma TAKAHASHI	1	Oct-Mar (intensive)	
DA41	Special Lecture for Applied Biosciences V	Tatsuya MAEKAWA	1	Oct-Mar (intensive)	
DA42	Special Lecture for Applied Biosciences VI	Shizuka HIRAI	1	Apr-Sep (intensive)	
DA46	Special Lecture for Applied Biosciences VII		1		NA in AY2023

No.	Title	Instructor	Credits	Semester	Notes
DB18	Seminar in Plant Genetics 1	Kentaro YOSHIDA, Yoshihiro INOUE	3	Year-long	◎
DB19	Seminar in Plant Genetics 2	Kentaro YOSHIDA, Yoshihiro INOUE	3	Year-long	◎
DB20	Seminar in Crop Evolution 1	Ryohei TERAUCHI, Yasuo YASUI, Hiroaki ADACHI, Toshiyuki SAKAI	3	Year-long	
DB21	Seminar in Crop Evolution 2	Ryohei TERAUCHI, Yasuo YASUI, Hiroaki ADACHI, Toshiyuki SAKAI	3	Year-long	
DB22	Seminar in Plant Pathology 1	Yoshitaka TAKANO, Kazuyuki MISE, Akira MINE, Ru ZHANG	3	Year-long	◎
DB23	Seminar in Plant Pathology 2	Yoshitaka TAKANO, Kazuyuki MISE, Akira MINE, Ru ZHANG	3	Year-long	◎
DB24	Seminar in Insect Ecology 1	Kenji MATSUURA, Mamoru TAKATA	3	Year-long	◎
DB25	Seminar in Insect Ecology 2	Kenji MATSUURA, Mamoru TAKATA	3	Year-long	◎
DB26	Seminar in Insect Physiology 1	Takaaki DAIMON, Takahiro OHDE, Toshiya ANDO, Naoki MATSUDA	3	Year-long	
DB27	Seminar in Insect Physiology 2	Takaaki DAIMON, Takahiro OHDE, Toshiya ANDO, Naoki MATSUDA	3	Year-long	
DB38	Seminar in Fisheries and Environmental Oceanography 1	Hiromichi MITAMURA, Kotaro ICHIKAWA, Shihō KOBAYASHI, Satoko S. KIMURA, Manabu KUME, Junichi TAKAGI	3	Year-long	
DB39	Seminar in Fisheries and Environmental Oceanography 2	Hiromichi MITAMURA, Kotaro ICHIKAWA, Shihō KOBAYASHI, Satoko S. KIMURA, Manabu KUME, Junichi TAKAGI	3	Year-long	
DB40	Seminar in Marine Biology 1	Masatomo TAGAWA, Kouji NAKAYAMA, Reiji MASUDA, Yoshiaki KAI, Keita SUZUKI, Kohji TAKAHASHI, Yumi HENMI	3	Year-long	
DB41	Seminar in Marine Biology 2	Masatomo TAGAWA, Kouji NAKAYAMA, Reiji MASUDA, Yoshiaki KAI, Keita SUZUKI, Kohji TAKAHASHI, Yumi HENMI	3	Year-long	
DB42	Seminar in Marine Molecular Microbiology 1	Takashi YOSHIDA, Ryoma KAMIKAWA	3	Year-long	
DB43	Seminar in Marine Molecular Microbiology 2	Takashi YOSHIDA, Ryoma KAMIKAWA	3	Year-long	
DB44	Seminar in Marine Environmental Microbiology 1	Shigeki SAWAYAMA, Satoshi NAKAGAWA	3	Year-long	
DB45	Seminar in Marine Environmental Microbiology 2	Shigeki SAWAYAMA, Satoshi NAKAGAWA	3	Year-long	
DB46	Seminar in Marine Bio-products Technology 1	Tatsuya SUGAWARA, Yuki MANABE	3	Year-long	
DB47	Seminar in Marine Bio-products Technology 2	Tatsuya SUGAWARA, Yuki MANABE	3	Year-long	
DB48	Seminar in Marine Biological Function 1	Kenji SATO, Masato KINOSHITA	3	Year-long	
DB49	Seminar in Marine Biological Function 2	Kenji SATO, Masato KINOSHITA	3	Year-long	
DB28	Seminar in Animal Breeding and Genetics 1	Norihide YOKOI, Yukio TANIGUCHI	3	Year-long	
DB29	Seminar in Animal Breeding and Genetics 2	Norihide YOKOI, Yukio TANIGUCHI	3	Year-long	
DB30	Seminar for Reproductive Biology 1	Shuntaro IKEDA, Shinnosuke HONDA	3	Year-long	◎
DB31	Seminar for Reproductive Biology 2	Shuntaro IKEDA, Shinnosuke HONDA	3	Year-long	◎
DB32	Seminar in Nutritional Science of Animals 1	Masayuki FUNABA, Shozo TOMONAGA	3	Year-long	
DB33	Seminar in Nutritional Science of Animals 2	Masayuki FUNABA, Shozo TOMONAGA	3	Year-long	
DB34	Seminar in Animal Physiology and Anatomy 1	Takeshi Ohta, Miki SUGIMOTO, Kinuko UNO	3	Year-long	
DB35	Seminar in Animal Physiology and Anatomy 2	Takeshi Ohta, Miki SUGIMOTO, Kinuko UNO	3	Year-long	
DB36	Seminar of Animal Husbandry Resources 1	Hiroyuki HIROOKA, Hajime KUMAGAI, Kazato OISHI	3	Year-long	
DB37	Seminar of Animal Husbandry Resources 2	Hiroyuki HIROOKA, Hajime KUMAGAI, Kazato OISHI	3	Year-long	
DB50	Seminar in Coastal Marine Ecology 1	Reiji MASUDA	3	Year-long	◎
DB51	Seminar in Coastal Marine Ecology 2	Yoshiaki KAI, Keita SUZUKI, Kohji TAKAHASHI, Yumi HENMI Reiji MASUDA	3	Year-long	◎
DC18	Research in Plant Genetics 1	Yoshiaki KAI, Keita SUZUKI, Kohji TAKAHASHI, Yumi HENMI Kentaro YOSHIDA, Yoshihiro INOUE	6	Year-long	◎
DC19	Research in Plant Genetics 2	Kentaro YOSHIDA, Yoshihiro INOUE	6	Year-long	◎
DC20	Research in Crop Evolution 1	Ryohei TERAUCHI, Yasuo YASUI, Hiroaki ADACHI, Toshiyuki SAKAI	6	Year-long	
DC21	Research in Crop Evolution 2	Ryohei TERAUCHI, Yasuo YASUI, Hiroaki ADACHI, Toshiyuki SAKAI	6	Year-long	
DC22	Research in Plant Pathology 1	Yoshitaka TAKANO, Kazuyuki MISE, Akira MINE, Ru ZHANG	6	Year-long	◎
DC23	Research in Plant Pathology 2	Yoshitaka TAKANO, Kazuyuki MISE, Akira MINE, Ru ZHANG	6	Year-long	◎
DC24	Research in Insect Ecology 1	Kenji MATSUURA, Mamoru TAKATA	6	Year-long	◎
DC25	Research in Insect Ecology 2	Kenji MATSUURA, Mamoru TAKATA	6	Year-long	◎
DC26	Research in Insect Physiology 1	Takaaki DAIMON, Takahiro OHDE, Toshiya ANDO, Naoki MATSUDA	6	Year-long	
DC27	Research in Insect Physiology 2	Takaaki DAIMON, Takahiro OHDE, Toshiya ANDO, Naoki MATSUDA	6	Year-long	
DC38	Research in Fisheries and Environmental Oceanography 1	Hiromichi MITAMURA, Kotaro ICHIKAWA, Shihō KOBAYASHI, Satoko S. KIMURA, Manabu KUME, Junichi TAKAGI	6	Year-long	
DC39	Research in Fisheries and Environmental Oceanography 2	Hiromichi MITAMURA, Kotaro ICHIKAWA, Shihō KOBAYASHI, Satoko S. KIMURA, Manabu KUME, Junichi TAKAGI	6	Year-long	
DC40	Laboratory Course in Marine Biology 1	Masatomo TAGAWA, Kouji NAKAYAMA	6	Year-long	
DC41	Laboratory Course in Marine Biology 2	Masatomo TAGAWA, Kouji NAKAYAMA	6	Year-long	
DC42	Laboratory Course in Marine Molecular Microbiology 1	Takashi YOSHIDA, Ryoma KAMIKAWA	6	Year-long	
DC43	Laboratory Course in Marine Molecular Microbiology 2	Takashi YOSHIDA, Ryoma KAMIKAWA	6	Year-long	
DC44	Laboratory Course in Marine Environmental Microbiology 1	Shigeki SAWAYAMA, Satoshi NAKAGAWA	6	Year-long	
DC45	Laboratory Course in Marine Environmental Microbiology 2	Shigeki SAWAYAMA, Satoshi NAKAGAWA	6	Year-long	

No.	Title	Instructor	Credits	Semester	Notes
DC46	Laboratory Course in Technology of Marine Bio-products 1	Tatsuya SUGAWARA, Yuki MANABE	6	Year-long	
DC47	Laboratory Course in Technology of Marine Bio-products 2	Tatsuya SUGAWARA, Yuki MANABE	6	Year-long	
DC48	Laboratory Course in Marine Biological Function 1	Kenji SATO, Masato KINOSHITA	6	Year-long	
DC49	Laboratory Course in Marine Biological Function 2	Kenji SATO, Masato KINOSHITA	6	Year-long	
DC28	Laboratory Course in Animal Breeding and Genetics 1	Norihide YOKOI, Yukio TANIGUCHI	6	Year-long	
DC29	Laboratory Course in Animal Breeding and Genetics 2	Norihide YOKOI, Yukio TANIGUCHI	6	Year-long	
DC30	Laboratory Course for Reproductive Biology 1	Shuntaro IKEDA, Shinnosuke HONDA	6	Year-long	◎
DC31	Laboratory Course for Reproductive Biology 2	Shuntaro IKEDA, Shinnosuke HONDA	6	Year-long	◎
DC32	Laboratory Course in Nutritional Science of Animals 1	Masayuki FUNABA, Shozo TOMONAGA	6	Year-long	
DC33	Laboratory Course in Nutritional Science of Animals 2	Masayuki FUNABA, Shozo TOMONAGA	6	Year-long	
DC34	Laboratory Course in Animal Physiology and Anatomy 1	Takeshi Ohta, Miki SUGIMOTO, Kinuko UNO	6	Year-long	
DC35	Laboratory Course in Animal Physiology and Anatomy 2	Takeshi Ohta, Miki SUGIMOTO, Kinuko UNO	6	Year-long	
DC36	Laboratory Course of Animal Husbandry Resources 1	Hiroyuki HIROOKA, Hajime KUMAGAI, Kazato OISHI	6	Year-long	
DC37	Laboratory Course of Animal Husbandry Resources 2	Hiroyuki HIROOKA, Hajime KUMAGAI, Kazato OISHI	6	Year-long	
DA44	History of Ichthyology	TBD	1	TBD	NA in AY2023
DC50	Laboratory Course in Coastal Marine Ecology 1	Reiji MASUDA	6	Year-long	◎
DC51	Laboratory Course in Coastal Marine Ecology 2	Yoshiaki KAI, Keita SUZUKI, Kohji TAKAHASHI, Yumi HENMI Reiji MASUDA	6	Year-long	◎
DZ00	Master's Thesis	Yoshiaki KAI, Keita SUZUKI, Kohji TAKAHASHI, Yumi HENMI			

Requirements by Division of Applied Biosciences

- 1) Earn more than 30 credits including 6 credits by seminar and 12 credits by laboratory course given by your laboratory.
- 2) In order to take other laboratories' seminars or special laboratory works, get permission from your supervisor and the instructor.
- 3) In order to take other divisions' courses (including other graduate schools' courses) and earn them as credits, notify your division's office at the time of registration, getting permission from your supervisor beforehand.
- 4) Although some intensive courses have different instructors every year, a course can be registered once only and not allowed to take same course two times.
- 5) Course title with "1" are for first year students and "2" are for second year students.
- 6) Subjects with "☆&★ marks" are held every 2 years alternately.
Subjects with "☆ marks" are held in this academic year and those with "★ marks" in next academic year.
- 7) Subjects with "◎ marks" may be given in English when any of international students wish to attend.

Division of Environmental Science and Technology

No.	Title	Instructor	Credits	Semester	Notes
EA01	Comparative Study of Resources and Environment	Takeshi MIYAKE, Ayako KATAYAMA	2	Oct-Mar	
EA02	Comparative Study of Agriculture	Hitoshi SHINJO	2	Apr-Sep	☆
EA09	Tropical Agricultural Ecology	Hirokazu HIGUCHI, Tomohiro KONDO	2	Apr-Sep (intensive)	★ ◎
EA10	Agroecology of Tropical Crops	Hirokazu HIGUCHI, Tomohiro KONDO	2	Oct-Mar (intensive)	☆ ◎
EA11	Soil Science	Shinya FUNAKAWA	2	Oct-Mar	☆ ◎
EA12	Biogeochemistry	Tetsuhiro WATANABE	2	Oct-Mar	★ ◎
EA13	Special Lecture on Microbial Ecology	Akira YOSHIMI	2	Oct-Mar (intensive)	★
EA14	Special Lecture on Microbial Management	Chihiro TANAKA	2	Oct-Mar (intensive)	☆
EA15	Special Lecture on Ecological Information	Norihide HINOMOTO	2	Oct-Mar (intensive)	☆ ◎
EA16	Special Lecture on Ecological Management	Norihide HINOMOTO	2	Oct-Mar (intensive)	★ ◎
EA17	Agricultural Facilities Engineering	Kazunori FUJISAWA, Jia GUO	2	Apr-Sep	☆ ◎
EA18	Numerical Science of Structural Design	Kazunori FUJISAWA, Jia GUO	2	Apr-Sep	★ ◎
EA19	Water Resources Engineering	Masayuki FUJIHARA, Junichiro TAKEUCHI	2	Apr-Sep	★ ◎
EA20	Hydraulic and Environmental Modeling	Koichi UNAMI	2	Apr-Sep	☆ ◎
EA21	Hydrological Environment Sciences	Kimihito NAKAMURA, Takehide HAMA	2	Apr-Sep	★ ◎
EA22	Applied Hydrology	Kimihito NAKAMURA, Takehide HAMA	2	Oct-Mar	☆
EA23	Rural Land Use Planning	Kenichiro ONITSUKA	2	Apr-Sep	★ ◎
EA45	Rural Community Planning	Satoshi HOSHINO	2	Apr-Sep	☆
EA25	Agricultural Systems Engineering	Ryozo NOGUCHI	2	Oct-Mar	★ ◎
EA48	Bioresource and Bioenergy	Ryozo NOGUCHI	2	Apr-Sep	☆ ◎
EA27	Field Robotics (Advanced Course)	Michihisa IIDA	2	Apr-Sep	☆ ◎
EA28	Field Automation	Michihisa IIDA	2	Apr-Sep	★ ◎
EA47	Bio-Sensing Engineering (Advanced Course)	Naoshi KONDO	2	Oct-Mar	☆ ◎
EA30	Physicality of Agricultural Products	Yuichi OGAWA	2	Oct-Mar	★ ◎
EA31	Environmental Radiation Control	TBD	2	Oct-Mar	★ ◎
EA32	Engineering of Environmental Radiation Control	TBD, Hiroshi YASHIMA	2	Apr-Sep	☆ ◎

No.	Title	Instructor	Credits	Semester	Notes
EB27	Seminar in Comparative Agricultural Science 1	Takeshi MIYAKE, Hitoshi SHINJO, Ayako KATAYAMA	4	Year-long	
EB28	Seminar in Comparative Agricultural Science 2	Takeshi MIYAKE, Hitoshi SHINJO, Ayako KATAYAMA	4	Year-long	
EB35	Seminar in Tropical Agriculture 1	Hirokazu HIGUCHI, Tomohiro KONDO	4	Year-long	◎
EB36	Seminar in Tropical Agriculture 2	Hirokazu HIGUCHI, Tomohiro KONDO	4	Year-long	◎
EB37	Seminar in Soil Science 1	Shinya FUNAKAWA, Tetsuhiro WATANABE, Makoto SHIBATA	4	Year-long	◎
EB38	Seminar in Soil Science 2	Shinya FUNAKAWA, Tetsuhiro WATANABE, Makoto SHIBATA	4	Year-long	◎
EB39	Seminar in Microbial Management 1	Chihiro TANAKA, Akira YOSHIMI, Yuko TAKEUCHI, Kenya TSUJI	4	Year-long	
EB40	Seminar in Microbial Management 2	Chihiro TANAKA, Akira YOSHIMI, Yuko TAKEUCHI, Kenya TSUJI	4	Year-long	
EB41	Seminar in Ecological Information 1	Norihide HINOMOTO, Shuichi YANO	4	Year-long	◎
EB42	Seminar in Ecological Information 2	Norihide HINOMOTO, Shuichi YANO	4	Year-long	◎
EB59	Seminar in Data Processing 1	Kazunori FUJISAWA, Jia GUO, Shoichi KIYAMA	4	Year-long	
EB60	Seminar in Data Processing 2	Kazunori FUJISAWA, Jia GUO, Shoichi KIYAMA	4	Year-long	
EB61	Seminar in Water Resources Engineering 1	Masayuki FUJIHARA, Koichi UNAMI, Junichiro TAKEUCHI	4	Year-long	
EB62	Seminar in Water Resources Engineering 2	Masayuki FUJIHARA, Koichi UNAMI, Junichiro TAKEUCHI	4	Year-long	
EB63	Seminar in Hydrological Environment Sciences 1	Kimihito NAKAMURA, Takehide HAMA	4	Year-long	
EB64	Seminar in Hydrological Environment Sciences 2	Kimihito NAKAMURA, Takehide HAMA	4	Year-long	
EB65	Seminar in Rural Planning 1	Satoshi HOSHINO, Kenichiro ONITSUKA	4	Year-long	◎
EB66	Seminar in Rural Planning 2	Satoshi HOSHINO, Kenichiro ONITSUKA	4	Year-long	◎
EB67	Seminar in Agricultural Systems Engineering 1	Ryozo NOGUCHI, Juro MIYASAKA, Katsuaki OHDOI	4	Year-long	
EB68	Seminar in Agricultural Systems Engineering 2	Ryozo NOGUCHI, Juro MIYASAKA, Katsuaki OHDOI	4	Year-long	
EB69	Seminar in Field Robotics 1	Michihisa IIDA, Masahiko SUGURI, Ryohei MASUDA	4	Year-long	◎
EB70	Seminar in Field Robotics 2	Michihisa IIDA, Masahiko SUGURI, Ryohei MASUDA	4	Year-long	◎
EB71	Seminar in Bio-Sensing Engineering 1	Naoshi KONDO, Yuichi OGAWA, Keiichiro SHIRAGA	4	Year-long	◎
EB72	Seminar in Bio-Sensing Engineering 2	Naoshi KONDO, Yuichi OGAWA, Keiichiro SHIRAGA	4	Year-long	◎
EB73	Seminar in Environmental Radiation Control 1	TBD, Hiroshi YASHIMA	4	Year-long	◎
EB74	Seminar in Environmental Radiation Control 2	TBD, Hiroshi YASHIMA	4	Year-long	◎
EC18	Laboratory Course in Comparative Agricultural Science 1	Takeshi MIYAKE, Hitoshi SHINJO, Ayako KATAYAMA	5	Year-long	
EC19	Laboratory Course in Comparative Agricultural Science 2	Takeshi MIYAKE, Hitoshi SHINJO, Ayako KATAYAMA	5	Year-long	
EC26	Laboratory Course in Tropical Agriculture 1	Hirokazu HIGUCHI, Tomohiro KONDO	5	Year-long	◎
EC27	Laboratory Course in Tropical Agriculture 2	Hirokazu HIGUCHI, Tomohiro KONDO	5	Year-long	◎
EC28	Laboratory Course in Soil Science 1	Shinya FUNAKAWA, Tetsuhiro WATANABE, Makoto SHIBATA	5	Year-long	◎
EC29	Laboratory Course in Soil Science 2	Shinya FUNAKAWA, Tetsuhiro WATANABE, Makoto SHIBATA	5	Year-long	◎
EC30	Laboratory Course in Microbial Management 1	Chihiro TANAKA, Akira YOSHIMI, Yuko TAKEUCHI, Kenya TSUJI	5	Year-long	
EC31	Laboratory Course in Microbial Management 2	Chihiro TANAKA, Akira YOSHIMI, Yuko TAKEUCHI, Kenya TSUJI	5	Year-long	
EC32	Laboratory Course in Ecological Information 1	Norihide HINOMOTO, Shuichi YANO	5	Year-long	◎
EC33	Laboratory Course in Ecological Information 2	Norihide HINOMOTO, Shuichi YANO	5	Year-long	◎

No.	Title	Instructor	Credits	Semester	Notes
EC50	Laboratory Course in Agricultural Facilities Engineering 1	Kazunori FUJISAWA, Jia GUO, Shoichi KIYAMA	5	Year-long	
EC51	Laboratory Course in Agricultural Facilities Engineering 2	Kazunori FUJISAWA, Jia GUO, Shoichi KIYAMA	5	Year-long	
EC52	Laboratory Course in Water Resources Engineering 1	Masayuki FUJIHARA, Koichi UNAMI, Junichiro TAKEUCHI	5	Year-long	
EC53	Laboratory Course in Water Resources Engineering 2	Masayuki FUJIHARA, Koichi UNAMI, Junichiro TAKEUCHI	5	Year-long	
EC54	Laboratory Course in Hydrological Environment Sciences 1	Kimihito NAKAMURA, Takehide HAMA	5	Year-long	
EC55	Laboratory Course in Hydrological Environment Sciences 2	Kimihito NAKAMURA, Takehide HAMA	5	Year-long	
EC56	Laboratory Course in Rural Planning 1	Satoshi HOSHINO, Kenichiro ONITSUKA	5	Year-long	◎
EC57	Laboratory Course in Rural Planning 2	Satoshi HOSHINO, Kenichiro ONITSUKA	5	Year-long	◎
EC58	Laboratory Course in Agricultural Systems Engineering 1	Ryozo NOGUCHI, Juro MIYASAKA, Katsuaki OHDOI	5	Year-long	
EC59	Laboratory Course in Agricultural Systems Engineering 2	Ryozo NOGUCHI, Juro MIYASAKA, Katsuaki OHDOI	5	Year-long	
EC60	Laboratory Course in Field Robotics 1	Michihisa IIDA, Masahiko SUGURI, Ryohei MASUDA	5	Year-long	◎
EC61	Laboratory Course in Field Robotics 2	Michihisa IIDA, Masahiko SUGURI, Ryohei MASUDA	5	Year-long	◎
EC62	Laboratory Course in Bio-Sensing Engineering 1	Naoshi KONDO, Yuichi OGAWA, Keiichiro SHIRAGA	5	Year-long	◎
EC63	Laboratory Course in Bio-Sensing Engineering 2	Naoshi KONDO, Yuichi OGAWA, Keiichiro SHIRAGA	5	Year-long	◎
EC64	Laboratory Course in Environmental Radiation Control 1	TBD, Hiroshi YASHIMA	5	Year-long	◎
EC65	Laboratory Course in Environmental Radiation Control 2	TBD, Hiroshi YASHIMA	5	Year-long	◎
EA33	Special Lecture on Environmental Science and Technology I	Juichi YAMAZAKI	1	Apr-Sep (intensive)	
EA34	Special Lecture on Environmental Science and Technology II	Sota YAMAMOTO	1	Oct-Mar (intensive)	
EA35	Special Lecture on Environmental Science and Technology III	Koki TOYODA	1	Oct-Mar (intensive)	◎
EA36	Special Lecture on Environmental Science and Technology IV		1	(intensive)	NA in AY2023
EA37	Special Lecture on Environmental Science and Technology V		1	(intensive)	NA in AY2023
EA41	Special Lecture on Environmental Science and Technology VI		1	(intensive)	NA in AY2023
EA42	Special Lecture on Environmental Science and Technology VII	Ke-Sheng CHENG	1	Apr-Sep (intensive)	English Course
EA43	Special Lecture on Environmental Science and Technology VIII		1	(intensive)	NA in AY2023
EA46	Special Lecture on Environmental Science and Technology IX	Hiroyuki ONOYAMA	1	Apr-Sep (intensive)	
EZ00	Master's Thesis				

Requirements by Division of Environmental Science and Technology

- Attend all the lectures, seminars and laboratory courses given by your laboratory.
- In addition to the lectures specified by 1), earn more than 4 credits given by the Division.
- In order to take other laboratories' seminars or laboratory courses, get permission from your supervisor and the instructor.
- In order to take other divisions' courses(including other graduate schools' courses) and earn them as credits, get permission from your division's office at the time of registration.
- Although some intensive courses have different instructors every year, a course can be registered once only and not allowed to take same course two times.
- Course title with "1" are for first year students and "2" are for second year students.
- Subjects with "☆&★ marks" are held every 2 years alternately.
Subjects with "☆ marks" are held in this academic year and those with "★ marks" in next academic year.
- Subjects with "◎ marks" may be given in English when any of international students wish to attend.

Division of Natural Resource Economics

No.	Title	Instructor	Credits	Semester	Notes
FA41	Agri-food System Management 1A	Hideyuki TSUJIMURA	2	Apr-Sep	
FA42	Agri-food System Management 1B	Hideyuki TSUJIMURA	2	Oct-Mar	
FA43	Agri-food System Management 2A	Hideyuki TSUJIMURA	2	Apr-Sep	
FA44	Agri-food System Management 2B	Hideyuki TSUJIMURA	2	Oct-Mar	
FA45	Farm Managerial Information and Accounting 1A	Shusuke MATSUSHITA	2	Apr-Sep	
FA46	Farm Managerial Information and Accounting 1B	Shusuke MATSUSHITA	2	Oct-Mar	
FA47	Farm Managerial Information and Accounting 2A	Shusuke MATSUSHITA	2	Apr-Sep	
FA48	Farm Managerial Information and Accounting 2B	Shusuke MATSUSHITA	2	Oct-Mar	
FA49	Regional Environmental Economics 1A	Kei KAJISA	2	Apr-Sep	◎
FA50	Regional Environmental Economics 1B	Kei KAJISA	2	Oct-Mar	◎
FA51	Regional Environmental Economics 2A	Kei KAJISA	2	Apr-Sep	◎
FA52	Regional Environmental Economics 2B	Kei KAJISA	2	Oct-Mar	◎
FA53	Agricultural and Environmental Policy 1A	Junichi ITO	2	Apr-Sep	◎
FA54	Agricultural and Environmental Policy 1B	Junichi ITO	2	Oct-Mar	◎
FA55	Agricultural and Environmental Policy 2A	Junichi ITO	2	Apr-Sep	◎
FA56	Agricultural and Environmental Policy 2B	Junichi ITO	2	Oct-Mar	◎
FA57	Forest Policy 1A	Koichi KURIYAMA	2	Apr-Sep	
FA58	Forest Policy 1B	Koichi KURIYAMA	2	Oct-Mar	
FA59	Forest Policy 2A	Koichi KURIYAMA	2	Apr-Sep	
FA60	Forest Policy 2B	Koichi KURIYAMA	2	Oct-Mar	
FC12	International Rural Development 1A	Atsuyuki ASAMI	2	Apr-Sep	◎
FC13	International Rural Development 1B	Atsuyuki ASAMI	2	Oct-Mar	
FC14	International Rural Development 2A	Atsuyuki ASAMI	2	Apr-Sep	◎
FC15	International Rural Development 2B	Atsuyuki ASAMI	2	Oct-Mar	
FA65	Comparative Study of Agricultural History 1A	Yoshihiro ADACHI	2	Apr-Sep	
FA66	Comparative Study of Agricultural History 1B	Yoshihiro ADACHI	2	Oct-Mar	
FA67	Comparative Study of Agricultural History 2A	Yoshihiro ADACHI	2	Apr-Sep	
FA68	Comparative Study of Agricultural History 2B	Yoshihiro ADACHI	2	Oct-Mar	
FA69	Philosophy of Agricultural Science 1A	Motoki AKITSU	2	Apr-Sep	
FA70	Philosophy of Agricultural Science 1B	Motoki AKITSU	2	Oct-Mar	
FA71	Philosophy of Agricultural Science 2A	Motoki AKITSU	2	Apr-Sep	
FA72	Philosophy of Agricultural Science 2B	Motoki AKITSU	2	Oct-Mar	
FA73	Comparative Farm ManagementA	Hideyuki TSUJIMURA, Yayoi KITO	2	Apr-Sep	
FA74	Comparative Farm ManagementB	Hideyuki TSUJIMURA, Yayoi KITO	2	Oct-Mar	
FA75	Advanced Theory of Agribusiness AnalysisA	Yayoi KITO	2	Apr-Sep	
FA76	Advanced Theory of Agribusiness AnalysisB	Yayoi KITO	2	Oct-Mar	
FA77	Methodology of Farm AccountingA	Haruhiko IBA	2	Apr-Sep	
FA78	Methodology of Farm AccountingB	Haruhiko IBA	2	Oct-Mar	intensive course
FA79	Rural Resources EconomicsA	Jinhu SHEN	2	Apr-Sep	
FA80	Rural Resources EconomicsB	Jinhu SHEN	2	Oct-Mar	
FA81	Agricultural Policy AnalysisA	Shinichi KITANO	2	Apr-Sep	
FA82	Agricultural Policy AnalysisB	Shinichi KITANO	2	Oct-Mar	
FA83	Forest and Resources EconomicsA	Yohei MITANI	2	Apr-Sep	◎
FA84	Forest and Resources EconomicsB	Yohei MITANI	2	Oct-Mar	◎
FC26	Development MicroeconomicsA	Ken MIURA	2	Apr-Sep	◎
FC27	Development MicroeconomicsB	Ken MIURA	2	Oct-Mar	◎
FA87	Comparative Study of Economic HistoryA	Atsushi ITO	2	Apr-Sep	
FA88	Comparative Study of Economic HistoryB	Atsushi ITO	2	Oct-Mar	
FA89	Comparative Rural SociologyA	Kenta SAKANASHI	2	Apr-Sep	
FA90	Comparative Rural SociologyB	Kenta SAKANASHI	2	Oct-Mar	
FC07	International Agri-food Studies	Hart N. FEUER	2	Apr-Sep	◎
FC23	Qualitative Research Methods and Analysis	Hart N. FEUER, Roger Cloud BAARS	1	Apr-Sep	◎
FC17	Qualitative Research Methods	Hart N. FEUER	2	Oct-Mar	◎
FA99	Special Lecture on Comparative Agricultural History IA	Mitsutoshi TOKUNAGA	1	Apr-Sep	
FA93	Advanced Risk ManagementA		2	Apr-Sep	NA in AY2023
FA94	Advanced Risk ManagementB		2	Oct-Mar	NA in AY2023
FA28	Advanced Information Science of Food and Agricultural Economics	Tetsuji SENDA	2	Apr-Sep	
FA95	Special Lecture on Natural Resources Economics IA	Shinsaku NAKAJIMA	2	Apr-Sep	
FA96	Special Lecture on Natural Resources Economics IB	Kae SEKINE	2	Oct-Mar	◎

No.	Title	Instructor	Credits	Semester	Notes	
FC01	Special Lecture on Natural Resources Economics II A	TBD	2	Apr-Sep	NA in AY2023	
FC28	Special Lecture on Natural Resources Economics II B	TBD	1	Oct-Mar		
FC03	Special Lecture on Natural Resources Economics III A	TBD	1	Apr-Sep		
FC04	Special Lecture on Natural Resources Economics III B	TBD	1	Oct-Mar		
FC05	Special Lecture on Natural Resources Economics IV A	TBD	1	Apr-Sep		
FC06	Special Lecture on Natural Resources Economics IV B	TBD	1	Oct-Mar		
FC08	Special Lecture on Natural Resources Economics V A	TBD	1	Apr-Sep		
FC09	Special Lecture on Natural Resources Economics V B	TBD	1	Oct-Mar		
FC10	Special Lecture on Natural Resources Economics VI A	TBD	1	Apr-Sep		
FC11	Special Lecture on Natural Resources Economics VI B	TBD	1	Oct-Mar		
FC18	Special Lecture on Natural Resources Economics VII A	TBD	1	Apr-Sep		
FC19	Special Lecture on Natural Resources Economics VII B	TBD	1	Oct-Mar		
FC20	Special Lecture on Natural Resources Economics VIII A	TBD	1	Apr-Sep		
FC21	Special Lecture on Natural Resources Economics VIII B	TBD	1	Oct-Mar		
FC24	Special Lecture on Natural Resources Economics IX A	TBD	2	Apr-Sep		NA in AY2023
FC25	Special Lecture on Natural Resources Economics IX B	Mohammad ABDUL MALEK	2	Oct-Mar		
FB21	Advanced Seminar on Agri-food System Management 1	Hideyuki TSUJIMURA, Yayoi KITO	4	Year-long		
FB22	Advanced Seminar on Agri-food System Management 2	Hideyuki TSUJIMURA, Yayoi KITO	4	Year-long		
FB23	Advanced Seminar in Farm Managerial Information and Accounting 1	Shusuke MATSUSHITA, Haruhiko IBA	4	Year-long		
FB24	Advanced Seminar in Farm Managerial Information and Accounting 2	Shusuke MATSUSHITA, Haruhiko IBA	4	Year-long		
FB25	Advanced Seminar on Regional Environmental Economics 1	Kei KAJISA, Jinhu SHEN	4	Year-long		
FB26	Advanced Seminar on Regional Environmental Economics 2	Kei KAJISA, Jinhu SHEN	4	Year-long		
FB27	Advanced Seminar on Agricultural and Environmental Policy 1	Junichi ITO, Shinichi KITANO	4	Year-long		
FB28	Advanced Seminar on Agricultural and Environmental Policy 2	Junichi ITO, Shinichi KITANO	4	Year-long		
FB29	Advanced Seminar on Forestry Policy and Economics 1	Koichi KURIYAMA, Yohei MITANI	4	Year-long		
FB30	Advanced Seminar on Forestry Policy and Economics 2	Koichi KURIYAMA, Yohei MITANI	4	Year-long		
FB31	Advanced Seminar for Economics of International Rural Development 1	Atsuyuki ASAMI, Ken MIURA, Yoshiaki NAKADA	4	Year-long		
FB32	Advanced Seminar for Economics of International Rural Development 2	Atsuyuki ASAMI, Ken MIURA, Yoshiaki NAKADA	4	Year-long	©	
FB33	Advanced Seminar in Comparative Agricultural History 1	Yoshihiro ADACHI, Atsushi ITO	4	Year-long		
FB34	Advanced Seminar in Comparative Agricultural History 2	Yoshihiro ADACHI, Atsushi ITO	4	Year-long		
FB35	Advanced Seminar on Philosophy of Agricultural Science 1	Motoki AKITSU, Kenta SAKANASHI, Hart N. FEUER	4	Year-long		
FB36	Advanced Seminar on Philosophy of Agricultural Science 2	Motoki AKITSU, Kenta SAKANASHI, Hart N. FEUER	4	Year-long		
FZ00	Master's Thesis					

Requirements by Division of Natural Resource Economics

- Attend the lectures and seminars given by your laboratory.
- In order to take other graduate schools' or other divisions' courses and earn credits from them, get permission from our division's office at the time of registration.
- Although some intensive courses have different instructors every year, a course can be taken once only regardless of instructor.
- More than 30 credits should be earned and the master's thesis should be accepted as satisfactory.
- Course title with "1" are for first year students and "2" are for second year students.
- Subjects with "© marks" may be given in English when any international students wish to attend.
- Those who wish to advance to the doctoral program will be assessed upon completion of the master's program.

Division of Food Science and Biotechnology

No.	Title	Instructor	Credit	Semester	Notes
GA22	Advanced Course of Enzyme Chemistry	Kiyoshi YASUKAWA, Teisuke TAKITA	1	Apr-Sep(Intensive)	☆ ◎
GA23	Advanced Course of Protein Engineering	Kiyoshi YASUKAWA, Teisuke TAKITA	1	Apr-Sep(Intensive)	★ ◎
GA24	Advanced Course of Food Chemistry	Fumito TANI, Kentaro MATSUMIYA	1	Oct-Mar(Intensive)	☆ ◎
GA25	Advanced Course of Bioorganic Chemistry	Kazuhiro IRIE, Kazuma MURAKAMI, Chihiro TSUKANO	1	Apr-Sep(Intensive)	☆
GA26	Advanced Course of Natural Products Chemistry	Kazuhiro IRIE, Kazuma MURAKAMI, Chihiro TSUKANO	1	Apr-Sep(Intensive)	★
GA27	Advanced Course of Metabolism and Nutritional Chemistry	Kazuo INOUE, Tsuyoshi GOTO, Haruya TAKAHASHI	1	Oct-Mar(Intensive)	☆
GA28	Advanced Course of Health Science	Tsutomu SASAKI, Satoshi TSUZUKI, Sho MATSUI, Yasuo OGURI	1	Oct-Mar(Intensive)	★
GA29	Advanced Course of Nutritional Physiology I	Tsutomu SASAKI, Satoshi TSUZUKI, Sho MATSUI, Yasuo OGURI	1	Oct-Mar(Intensive)	☆
GA30	Advanced Course of Nutritional Physiology II	Kazuo INOUE, Kousaku OHINATA, Takumi YOKOKAWA	1	Oct-Mar(Intensive)	★
GA34	Advanced Course of Bioengineering	Fumito TANI, Kentaro MATSUMIYA, Takashi KOBAYASHI, Takenobu OGAWA	1	Oct-Mar(Intensive)	★ ◎
GA32	Advanced Course of Applied Microbiology	Wataru HASHIMOTO, Kohei OGURA, Sayoko OIKI	1	Apr-Sep(Intensive)	☆
GA33	Advanced Course of Synthetic Biology	Wataru HASHIMOTO, Kohei OGURA, Sayoko OIKI	1	Apr-Sep(Intensive)	★
GA14	Food Science and Biotechnology I	Shin-ichi TOMIOKA, Kazuyuki TORII, Aki TSUJIMOTO (TAIMATSU), Takanori KASHIMA, Norihiko YOSHIMOTO, Atsushi FUJITA	1	Apr-Sep(Intensive)	
GA15	Food Science and Biotechnology II		1		N/A
GA16	Food Science and Biotechnology III		1		N/A
GA17	Food Science and Biotechnology IV	Tsutomu FUKUWATARI	1	Oct-Mar(Intensive)	
GA18	Food Science and Biotechnology V		1		N/A
GA19	Food Science and Biotechnology VI		1		N/A
GB09	Enzyme Chemistry Seminar 1	Kiyoshi YASUKAWA, Teisuke TAKITA	3	Year-long	
GB10	Enzyme Chemistry Seminar 2	Kiyoshi YASUKAWA, Teisuke TAKITA	3	Year-long	
GB25	Food Chemistry Seminar 1		3	Year-long	N/A
GB26	Food Chemistry Seminar 2		3	Year-long	N/A
GB13	Seminar of Organic Chemistry in Life Science 1	Kazuhiro IRIE, Kazuma MURAKAMI, Chihiro TSUKANO	3	Year-long	
GB14	Seminar of Organic Chemistry in Life Science 2	Kazuhiro IRIE, Kazuma MURAKAMI, Chihiro TSUKANO	3	Year-long	
GB15	Nutrition Chemistry Seminar 1	Tsutomu SASAKI, Satoshi TSUZUKI, Sho MATSUI, Yasuo OGURI	3	Year-long	
GB16	Nutrition Chemistry Seminar 2	Tsutomu SASAKI, Satoshi TSUZUKI, Sho MATSUI, Yasuo OGURI	3	Year-long	
GB17	Seminar in Molecular Function of Food 1		3	Year-long	N/A
GB18	Seminar in Molecular Function of Food 2		3	Year-long	N/A
GB19	Seminar in Physiological Functions of Foods 1	Kazuo INOUE, Kousaku OHINATA, Tsuyoshi GOTO, Haruya TAKAHASHI, Takumi YOKOKAWA	3	Year-long	
GB20	Seminar in Physiological Functions of Foods 2	Kazuo INOUE, Kousaku OHINATA, Tsuyoshi GOTO, Haruya TAKAHASHI, Takumi YOKOKAWA	3	Year-long	
GB21	Bioengineering Seminar 1	Fumito TANI, Kentaro MATSUMIYA, Takashi KOBAYASHI, Takenobu OGAWA	3	Year-long	
GB22	Bioengineering Seminar 2	Fumito TANI, Kentaro MATSUMIYA, Takashi KOBAYASHI, Takenobu OGAWA	3	Year-long	
GB23	Molecular Biotechnology Seminar 1	Wataru HASHIMOTO, Kohei OGURA, Sayoko OIKI	3	Year-long	
GB24	Molecular Biotechnology Seminar 2	Wataru HASHIMOTO, Kohei OGURA, Sayoko OIKI	3	Year-long	
GC09	Experimental Course of Enzyme Chemistry 1	Kiyoshi YASUKAWA, Teisuke TAKITA	6	Year-long	
GC10	Experimental Course of Enzyme Chemistry 2	Kiyoshi YASUKAWA, Teisuke TAKITA	6	Year-long	
GC25	Experimental Course in Food Chemistry 1		6	Year-long	N/A
GC26	Experimental Course in Food Chemistry 2		6	Year-long	N/A
GC13	Experimental Course of Organic Chemistry in Life Science 1	Kazuhiro IRIE, Kazuma MURAKAMI, Chihiro TSUKANO	6	Year-long	
GC14	Experimental Course of Organic Chemistry in Life Science 2	Kazuhiro IRIE, Kazuma MURAKAMI, Chihiro TSUKANO	6	Year-long	
GC15	Experimental Course in Nutrition Chemistry 1	Tsutomu SASAKI, Satoshi TSUZUKI, Sho MATSUI, Yasuo OGURI	6	Year-long	
GC16	Experimental Course in Nutrition Chemistry 2	Tsutomu SASAKI, Satoshi TSUZUKI, Sho MATSUI, Yasuo OGURI	6	Year-long	
GC17	Experimental Course in Molecular Function of Food 1		6	Year-long	N/A
GC18	Experimental Course in Molecular Function of Food 2		6	Year-long	N/A
GC19	Experimental Course in Physiological Functions of Foods 1	Kazuo INOUE, Kousaku OHINATA, Tsuyoshi GOTO, Haruya TAKAHASHI, Takumi YOKOKAWA	6	Year-long	
GC20	Experimental Course in Physiological Functions of Foods 2	Kazuo INOUE, Kousaku OHINATA, Tsuyoshi GOTO, Haruya TAKAHASHI, Takumi YOKOKAWA	6	Year-long	

No.	Title	Instructor	Credits	Semester	Notes
GC21	Experimental Course in Bioengineering 1	Fumito TANI, Kentaro MATSUMIYA, Takashi KOBAYASHI, Takenobu OGAWA	6	Year-long	
GC22	Experimental Course in Bioengineering 2	Fumito TANI, Kentaro MATSUMIYA, Takashi KOBAYASHI, Takenobu OGAWA	6	Year-long	
GC23	Experimental Course in Molecular Biotechnology 1	Wataru HASHIMOTO, Kohei OGURA, Sayoko OIKI	6	Year-long	
GC24	Experimental Course in Molecular Biotechnology 2	Wataru HASHIMOTO, Kohei OGURA, Sayoko OIKI	6	Year-long	
GZ00	Master's Thesis				

Requirements by Division of Food Science and Biotechnology

- 1) Earn more than 30 credits including 6 credits by seminar and 12 credits by experimental course given by your laboratory.
- 2) In order to take other divisions' courses and earn them as credits, get permission from your division's office at the time of registration.
- 3) Although some intensive courses have different instructors every year, a course can be registered once only and not allowed to take same course two times.
- 4) Course title with "1" are for first year students and "2" are for second year students.
- 5) Subjects with "☆&★ marks" are held every 2 years alternately.
Subjects with "☆ marks" are held in this academic year and those with "★ marks" in next academic year.
- 6) Subjects with "© marks" may be given in English when any of international students wish to attend.

Subjects for All International Students

No.	Title	Instructor	Credits	Semester	Notes
Z002	Agriculture and Environment in Japan	Takeshi MIYAKE, Hitoshi SHINJO Ayako KATAYAMA	2	Apr-Sep	
Z003	Special Lecture on Comparative Agricultural Studies 1	Associate Professors of Comparative Agricultural Science Laboratory	2	Apr-Sep	*1 ☆
Z004	Special Lecture on Comparative Agricultural Studies 2	Associate Professors of Comparative Agricultural Science Laboratory	2	Apr-Sep	*2 ☆
Z005	Special Lecture on Comparative Agricultural Studies 3	Associate Professors of Comparative Agricultural Science Laboratory	1	Apr-Sep	*3 ☆
Z019	Special Lecture on Comparative Agricultural Studies 4	Associate Professors of Comparative Agricultural Science Laboratory	1	Apr-Sep	*4 ☆
Z007	Special Lecture on Comparative Agricultural Studies 5	Associate Professors of Comparative Agricultural Science Laboratory	2	Oct-Mar	*5 ☆
Z020	Special Lecture on Comparative Agricultural Studies 6	Associate Professors of Comparative Agricultural Science Laboratory	2	Oct-Mar	*6 ☆
Z009	Special Lecture on Comparative Agricultural Studies 7	Associate Professors of Comparative Agricultural Science Laboratory	1	Oct-Mar	*7 ☆
Z010	Special Lecture on Comparative Agricultural Studies 8	Associate Professors of Comparative Agricultural Science Laboratory	1	Oct-Mar	*8 ☆
Z011	Special Lecture on Comparative Agricultural Studies 9	Associate Professors of Comparative Agricultural Science Laboratory	2	Apr-Sep	*9 ★
Z012	Special Lecture on Comparative Agricultural Studies 10	Associate Professors of Comparative Agricultural Science Laboratory	2	Apr-Sep	*10 ★
Z013	Special Lecture on Comparative Agricultural Studies 11	Associate Professors of Comparative Agricultural Science Laboratory	1	Apr-Sep	*11 ★
Z014	Special Lecture on Comparative Agricultural Studies 12	Associate Professors of Comparative Agricultural Science Laboratory	1	Apr-Sep	*12 ★
Z015	Special Lecture on Comparative Agricultural Studies 13	Associate Professors of Comparative Agricultural Science Laboratory	2	Oct-Mar	*13 ★
Z016	Special Lecture on Comparative Agricultural Studies 14	Associate Professors of Comparative Agricultural Science Laboratory	2	Oct-Mar	*14 ★
Z017	Special Lecture on Comparative Agricultural Studies 15	Associate Professors of Comparative Agricultural Science Laboratory	1	Oct-Mar	*15 ★
Z018	Special Lecture on Comparative Agricultural Studies 16	Associate Professors of Comparative Agricultural Science Laboratory	1	Oct-Mar	*16 ★

Subjects with "☆&★ marks" are held every 2 years alternately.

Subjects with "☆marks" are held in this academic year and those with "★marks" in the next academic year.

- *1 This lecture is not available in this academic year.
- *2 This lecture is not available in this academic year.
- *3 Visiting Researcher (TBD) will give the lecture.
- *4 Visiting Researcher (TBD) will give the lecture.
- *5 Visiting Researcher (TBD) will give the lecture.
- *6 Visiting Researcher (TBD) will give the lecture.
- *7 Visiting Researcher (TBD) will give the lecture.
- *8 Visiting Researcher (TBD) will give the lecture.
- *9 Visiting Researcher (TBD) will give the lecture.
- *10 Visiting Researcher (TBD) will give the lecture.
- *11 Visiting Researcher (TBD) will give the lecture.
- *12 Visiting Researcher (TBD) will give the lecture.
- *13 Visiting Researcher (TBD) will give the lecture.
- *14 Visiting Researcher (TBD) will give the lecture.
- *15 Visiting Researcher (TBD) will give the lecture.
- *16 Visiting Researcher (TBD) will give the lecture.

Special Course in Agricultural Science - For the Global Future of Life, Food and the Environment -

No.	Title	Instructor	Credit	Semester	Notes
S001	Scientific Communication 1	Garry John PILLER	2	Apr-Sep	
S003	Scientific Communication 2	Garry John PILLER	2	Oct-Mar	
S005	Sustainable Agriculture: A Cross-Cultural Perspective	Garry John PILLER	2	Apr-Sep	

* The subjects above are for students who join in Special Course and given entirely in English. Refer to your own division if the credits earned by taking those subjects are counted in case you are not enrolled in Special Course.