

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	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, Kentaro KANEKO	1	Oct-Mar(Intensive)	★
GA34	Advanced Course of Bioengineering	Fumito TANI, Takashi KOBAYASHI, Takenobu OGAWA	1	Oct-Mar(Intensive)	★ ◎
GA32	Advanced Course of Applied Microbiology	Wataru HASHIMOTO, Daisuke WATANABE, Ryuichi TAKASE	1	Apr-Sep(Intensive)	☆
GA33	Advanced Course of Synthetic Biology	Wataru HASHIMOTO, Daisuke WATANABE, Ryuichi TAKASE	1	Apr-Sep(Intensive)	★
GA14	Food Science and Biotechnology I	Kenzo TAKAHASHI, Shin-ichi TOMIOKA, Kazuyuki TORII, Aki TSUJIMOTO (TAIMATSU), Takanori KASHIMA, Takahisa FUJII, Takumi ODATE, Atsushi FUJITA	1	Apr-Sep(Intensive)	
GA15	Food Science and Biotechnology II	Satoshi SASAKI	1	Oct-Mar(Intensive)	
GA16	Food Science and Biotechnology III		1		N/A
GA17	Food Science and Biotechnology IV	Kazuki SAITO, Koji NAGATA	1	Apr-Sep(Intensive)	
GA18	Food Science and Biotechnology V	Yu NAKAGAWA	1	Oct-Mar(Intensive)	
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, Kentaro KANEKO	3	Year-long	
GB20	Seminar in Physiological Functions of Foods 2	Kazuo INOUE, Kousaku OHINATA, Tsuyoshi GOTO, Haruya TAKAHASHI, Takumi YOKOKAWA, Kentaro KANEKO	3	Year-long	
GB21	Bioengineering Seminar 1	Fumito TANI, Takashi KOBAYASHI, Takenobu OGAWA	3	Year-long	
GB22	Bioengineering Seminar 2	Fumito TANI, Takashi KOBAYASHI, Takenobu OGAWA	3	Year-long	
GB23	Molecular Biotechnology Seminar 1	Wataru HASHIMOTO, Daisuke WATANABE, Ryuichi TAKASE	3	Year-long	
GB24	Molecular Biotechnology Seminar 2	Wataru HASHIMOTO, Daisuke WATANABE, Ryuichi TAKASE	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, Kentaro KANEKO	6	Year-long	
GC20	Experimental Course in Physiological Functions of Foods 2	Kazuo INOUE, Kousaku OHINATA, Tsuyoshi GOTO, Haruya TAKAHASHI, Takumi YOKOKAWA, Kentaro KANEKO	6	Year-long	

No.	Title	Instructor	Credits	Semester	Notes
GC21	Experimental Course in Bioengineering 1	Fumito TANI, Takashi KOBAYASHI, Takenobu OGAWA	6	Year-long	
GC22	Experimental Course in Bioengineering 2	Fumito TANI, Takashi KOBAYASHI, Takenobu OGAWA	6	Year-long	
GC23	Experimental Course in Molecular Biotechnology 1	Wataru HASHIMOTO, Daisuke WATANABE, Ryuichi TAKASE	6	Year-long	
GC24	Experimental Course in Molecular Biotechnology 2	Wataru HASHIMOTO, Daisuke WATANABE, Ryuichi TAKASE	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.