

College of Agriculture and Natural Resources

2024 Spring

BACHELOR

B

MASTER

M

PH.D

P

International Bachelor Program of Agribusiness




COURSE NO. & NAME	STUDY LEVEL	FIELD
1038 Crop Science *	B	Agricultural and Biological Sciences
1041 Food and Agriculture Education *	B	Agricultural and Biological Sciences
1092 Language Lab. Workshop (I) *	B	Agricultural and Biological Sciences
1100 English Composition (I)	B	Language
1136 English Oral Training (I) *	B	Language
1229 Calculus *	B	Management
2104 International Business Law*	B	Management
2107 Climate Change Economics and Policy *	B	Management
2111 Ecology *	B	Agricultural and Biological Sciences
2119 Intermediate Accounting*	B	Agricultural and Biological Sciences
2129 Domestic and International Agricultural Policy and Welfare *	B	Agricultural and Biological Sciences
2138 Principles of Economics(II)*	B	Management

2231 Soil Management *	B	Agricultural and Biological Sciences
2122 Agribusiness Management *	B	Management
3015 Agro-Eco Tourism *	B	Agricultural and Biological Sciences
3038 Regional Study (D) *	B	Management
3073 Introduction to Plant Nutrition and Fertilizer *	B	Management
4002 Practice in Industry(I) *	B	Agricultural and Biological Sciences
4010 Practice in Industry(II) *	B	Agricultural and Biological Sciences
4011 Food Processing Practice*	B	Agricultural and Biological Sciences
5114 Contemporary English Thesis Writing & Presentation *	B M	Agricultural and Biological Sciences
5115 Introduction of Geographic Information System *	B M	Agricultural and Biological Sciences




International Master Program of Agriculture

COURSE NO. & NAME	STUDY LEVEL	FIELD
6116 Marketing and Business Strategy for Agriculture Product *	M	Management
6123 Plant Pathology and Disease Control *	M	Agricultural and Biological Sciences
6135 Advance Research Methods in Crop Science*	M	Agricultural and Biological Sciences
6137 Special Topics in Microbial Diversity*	M	Agricultural and Biological Sciences
6143 Seminar (I)*	M	Agricultural and Biological Sciences
7055 Seminar (II)*	M	Agricultural and Biological Sciences




International Doctoral Program in Agriculture

COURSE NO. & NAME	STUDY LEVEL	FIELD
8288 Seminar (I) *		Agricultural and Biological Sciences
8290 Advanced Biotechnology and Prospects *		Agricultural and Biological Sciences
8291 Introduction to Advanced Plant Biotechnology and Prospects *		Agricultural and Biological Sciences

Master Program in Plant Health Care

COURSE NO. & NAME	STUDY LEVEL	FIELD
6930 Advanced Biological Control*		Agricultural and Biological Sciences
6933 Bioinformatic Applications in Plant Pathology *		Agricultural and Biological Sciences
6935 Current Molecular Plant Science Technology in Practices*		Agricultural and Biological Sciences

Master Program in Specialty Crops and Metabolomics

COURSE NO. & NAME	STUDY LEVEL	FIELD
6943 The Analysis and Application of Plant Secondary Metabolome		Agricultural and Biological Sciences
6946 The Plant and Microbial Genome Mining and Gene Functional Characterization*		Agricultural and Biological Sciences
7318 Biological Activity Methods		Agricultural and Biological Sciences

Master Program in Biological and Sustainable Technology

COURSE NO. & NAME	STUDY LEVEL	FIELD
6137 Special Topics in Microbial Diversity*	M	Agricultural and Biological Sciences
7156 Nanotechnology and Environment*	M P	Agricultural and Biological Sciences

Master Program in Industrial and Smart Technology

COURSE NO. & NAME	STUDY LEVEL	FIELD
6839 Micro-Molding Technology *	M P	Agricultural and Biological Sciences

Master Program in Semiconductor and Green Technology

COURSE NO. & NAME	STUDY LEVEL	FIELD
6984 High-value Utilization Technologies of Biomass and Practice	M P	Agricultural and Biological Sciences

Department of Agronomy

COURSE NO. & NAME	STUDY LEVEL	FIELD
2102 Introduction to Plant Genomics and Breeding *	B	Agricultural and Biological Sciences
5116 Bioinformatics in Crop Breeding *	B M	Agricultural and Biological Sciences
7061 Advanced Methodology of Crop Breeding	M	Agricultural and Biological Sciences

Department of Horticulture

COURSE NO. & NAME	STUDY LEVEL	FIELD
2108 Small Fruit Production and Physiology *	B	Agricultural and Biological Sciences
6172 Horticulture in Taiwan *	M	Agricultural and Biological Sciences

Department of Forestry

COURSE NO. & NAME	STUDY LEVEL	FIELD
2113 Conservation Biology *	B	Agricultural and Biological Sciences
2135 Introduction to Polymer Chemistry *	B	Agricultural and Biological Sciences

Department of Applied Economics

COURSE NO. & NAME	STUDY LEVEL	FIELD
3141 Managerial Economics *	B	Management
6181 Agricultural Price Theory (I) *	M	Management
7106 New Product Pricing Research and Pricing Strategy *	M	Management
8089 Macroeconomic Theory (II) *	P	Management

Department of Plant Pathology

COURSE NO. & NAME	STUDY LEVEL	FIELD
2073 Applied Microbiology *	B	Agricultural and Biological Sciences
2109 Introduction to Plant Nematology *	B	Agricultural and Biological Sciences

6220 Seminar (I)*	M	Agricultural and Biological Sciences
7110 Control of Plant Nematode Diseases *	M	Agricultural and Biological Sciences
8090 Advanced Fungal Genetics	P	Agricultural and Biological Sciences
9047 English Writing *	P	Agricultural and Biological Sciences

Department of Entomology

COURSE NO. & NAME	STUDY LEVEL	FIELD
1126 General Entomology *	B	Agricultural and Biological Sciences
2166 Insect Ecology *	B	Agricultural and Biological Sciences
2171 Insect Ecology Lab *	B	Agricultural and Biological Sciences
3107 Invertebrate Zoology *	B	Agricultural and Biological Sciences
3132 Preservation and Management of Insect Collections *	B	Agricultural and Biological Sciences
6231 Selected Reading in Insect Ecology *	M	Agricultural and Biological Sciences
6238 Special Topics Research	M	Agricultural and Biological Sciences
6239 Seminar(V)	M P	Agricultural and Biological Sciences
6247 Seminar(II)	M P	Agricultural and Biological Sciences

Department of Animal Science

COURSE NO. & NAME	STUDY LEVEL	FIELD
2144 Animal Development *	B	Agricultural and Biological Sciences
4074 Signals and Systems *	B	Agricultural and Biological Sciences
6244 Biological Data Processing and Analysis *	M	Agricultural and Biological Sciences
6245 Structural Systems Biology *	M	Agricultural and Biological Sciences
6246 Quantitative Genetics *	M	Agricultural and Biological Sciences
8106 Literature Review in Probiotic of Animal Product *	P	Agricultural and Biological Sciences

Department of Soil and Environmental Sciences

COURSE NO. & NAME	STUDY LEVEL	FIELD
2207 Soil Microbial Ecology *	B	Agricultural and Biological Sciences
2215 Introduction and Application of Agricultural Environment Monitoring Technology *	B	Agricultural and Biological Sciences
7156 Nanotechnology and Environment *	M	Agricultural and Biological Sciences

Department of Bio-Industrial Mechatronics Engineering

COURSE NO. & NAME	STUDY LEVEL	FIELD
2027 Mechanics of Materials (I) *	B	Science and Engineering

2211 Automatic Control *	B	Science and Engineering
2218 Fundamentals of Electricity	B	Science and Engineering
3228 Introduction to Reliability Engineering	B	Science and Engineering
5106 Computational Fluid Dynamics Applied in Environment *	B M	Science and Engineering
6349 Multipurpose Agricultural Machine Design	M	Science and Engineering
6355 Fundamental and Application of Electrokinetics *	M	Science and Engineering

Department of Soil and Water Conservation

COURSE NO. & NAME	STUDY LEVEL	FIELD
2231 Soil Management *	B	Agricultural and Biological Sciences
3228 Climate and Climate Change *	B	Agricultural and Biological Sciences
4039 Protection Engineering of Sea Coast *	B	Agricultural and Biological Sciences
4061 Ecological Engineering *	B	Agricultural and Biological Sciences
4110 Remote Sensing *	B	Agricultural and Biological Sciences
6396 Special Topics in Wind Engineering *	M	Agricultural and Biological Sciences
7181 Advanced River Dynamics *	M	Agricultural and Biological Sciences
7183 Applied Plant Physiology *	M	Agricultural and Biological Sciences

Department of Food Science and Biotechnology

COURSE NO. & NAME	STUDY LEVEL	FIELD
4105 Special Topics Research *	B	Agricultural and Biological Sciences
4107 Special Topics Research *	B	Agricultural and Biological Sciences
4119 Special Topics Research *	B	Agricultural and Biological Sciences
4121 Special Topics Research *	B	Agricultural and Biological Sciences
4141 Special Topics Research *	B	Agricultural and Biological Sciences
6405 Special Topics in One Carbon Metabolism *	M	Agricultural and Biological Sciences
6421 Seminar (I) *	M	Agricultural and Biological Sciences
6422 Seminar (I) *	M	Agricultural and Biological Sciences
6424 Seminar (I) *	M	Agricultural and Biological Sciences
6425 Seminar (I) *	M	Agricultural and Biological Sciences
7208 Seminar (II) *	M	Agricultural and Biological Sciences
7209 Seminar (II) *	M	Agricultural and Biological Sciences
7210 Seminar (II) *	M	Agricultural and Biological Sciences
7211 Seminar (II) *	M	Agricultural and Biological Sciences
7212 Seminar (II) *	M	Agricultural and Biological Sciences
8150 Seminar (II) *	P	Agricultural and Biological Sciences
8151 Seminar (II) *	P	Agricultural and Biological Sciences


Bachelor Program of Biotechnology

COURSE NO. & NAME	STUDY LEVEL	FIELD
1140 Embryology	B	Agricultural and Biological Sciences
3093 Biomedical Engineering Technology and Analysis*	B	Agricultural and Biological Sciences




Graduate Institute of Biotechnology

COURSE NO. & NAME	STUDY LEVEL	FIELD
6360 Plant Biotechnology and Synthetic Biology	M	Agricultural and Biological Sciences
6377 Research on Plant Intercellular Protein Transport and Evolution	M	Agricultural and Biological Sciences
6381 Application of Multi-omics in Biotechnology Research and Development	M	Agricultural and Biological Sciences
6383 Seminar (I)	M	Agricultural and Biological Sciences
7189 Review of literature on Plant Intercellular Communication	M	Agricultural and Biological Sciences
8010 Microbial Biology Research on Molecular & Biological Agricultural Sciences	P	Agricultural and Biological Sciences
8011 Genomics Research on Molecular & Biological Agricultural Sciences	P	Agricultural and Biological Sciences
8012 Biodiversity Research on Molecular & Biological Agricultural Sciences	P	Agricultural and Biological Sciences


8013 Physiology Research on Molecular & Biological Agricultural Sciences	P	Agricultural and Biological Sciences
8016 Seminars and Symposia	P	Agricultural and Biological Sciences
8018 Basic Molecular Biology for Bioinformatics(II)	P	Agricultural and Biological Sciences
8019 Biological Computing(II)	P	Agricultural and Biological Sciences
8023 Molecular & Cellular Approaches for Biotechnology	P	Agricultural and Biological Sciences
8024 Special Topics in Microbiology	P	Agricultural and Biological Sciences
8025 Experimental Molecular Biophysics	P	Agricultural and Biological Sciences
8026 Professional Developments for a Graduate Student	P	Agricultural and Biological Sciences
8027 Rotation	P	Agricultural and Biological Sciences
8029 Pharmaceutical Chemistry	P	Agricultural and Biological Sciences
8075 Seminars in Biological Sciences (II)	P	Agricultural and Biological Sciences
8077 Seminars in Biological Sciences (IV)	P	Agricultural and Biological Sciences
8080 Ecology Masterclass at Taiwan	P	Agricultural and Biological Sciences
8087 Special Topics in Biological Science and Biotechnology(II)	P	Agricultural and Biological Sciences
8088 Special Topics in Biological Science and Biotechnology(IV)	P	Agricultural and Biological Sciences
8096 Literature Review of Microbial Biology on Molecular & Biological Agricultural Sciences	P	Agricultural and Biological Sciences
8097 Literature Review of Genomics on Molecular & Biological Agricultural Sciences	P	Agricultural and Biological Sciences

8098 Literature Review of Biodiversity on Molecular & Biological Agricultural Sciences		Agricultural and Biological Sciences
8099 Literature Review of Physiology on Molecular & Biological Agricultural Sciences		Agricultural and Biological Sciences


Graduate Institute of Bio-Industry Management

COURSE NO. & NAME	STUDY LEVEL	FIELD
6455 Scientific English Writing *		Language
6459 Seminar on Resources Management*		Management
7231 Data Analysis by Using R *		Management

Graduate Institute of Food Safety

COURSE NO. & NAME	STUDY LEVEL	FIELD
6862 Food Safety Control System (HACCP)		Agricultural and Biological Sciences

Master Program of Landscape Design, Leisure and Recreation

COURSE NO. & NAME	STUDY LEVEL	FIELD
3238 Landscape and Recreation Literature Reading*		Agricultural and Biological Sciences

* EMI (English as a Medium of Instruction)