

College of Agriculture and Natural Resources

2023 Fall

BACHELOR

B

MASTER

M

PH.D

P

College of Agriculture and Natural Resources

| COURSE NO. & NAME | STUDY LEVEL | FIELD |
|------------------------------|-------------|--------------------------------------|
| 1057 English for Agriculture | B | Agricultural and Biological Sciences |

International Bachelor Program of Agribusiness

| COURSE NO. & NAME | STUDY LEVEL | FIELD |
|---|-------------|--------------------------------------|
| 1069 Soil Science * | B | Agricultural and Biological Sciences |
| 1089 Animal Production and Animal Science Worldwide | B | Agricultural and Biological Sciences |
| 1091 Language Lab. Workshop (I) | B | Agricultural and Biological Sciences |
| 1100 English Composition (I) | B | Language |
| 1102 English Oral Training (I) | B | Language |
| 1234 Pre-Calculus Mathematics * | B | Management |
| 2026 Principles of Economics(I) * | B | Management |
| 2053 Accounting(I) * | B | Management |
| 2070 Introduction to Agritourism * | B | Agricultural and Biological Sciences |

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| 2076 Food Safety and Consumer Protection * | B | Agricultural and Biological Sciences |
| 2080 Plant Protection* | B | Agricultural and Biological Sciences |
| 2082 Sustainable Farming and Practices* | B | Agricultural and Biological Sciences |
| 2115 Agricultural Marketing and Policy* | B | Agricultural and Biological Sciences |
| 2138 Statistics (I)* | B | Management |
| 2224 Commercial Negotiation * | B | Agricultural and Biological Sciences |
| 3014 Regional Study E * | B | Management |
| 3027 Multivariate Statistics and Data Analysis* | B | Management |
| 3052 Organic Farming in Taiwan * | B | Agricultural and Biological Sciences |
| 3080 Human Resource Management in Agribusiness* | B | Management |
| 3091 Practice on Fundamental Research Methods in Crop Science* | B | Agricultural and Biological Sciences |
| 3096 Thesis | B | Agricultural and Biological Sciences |
| 4045 Practice in Industry(I) | B | Agricultural and Biological Sciences |
| 4152 Practice in Industry(II) | B | Agricultural and Biological Sciences |

International Master Program of Agriculture

| COURSE NO. & NAME | STUDY LEVEL | FIELD |
|---|-------------|--------------------------------------|
| 5122 Leadership and Management of International Non-Governmental Organizations (NGOs)* | B M | Management |
| 5126 Readings in Ecology and Agriculture | B M | Agricultural and Biological Sciences |

International Master Program of Agriculture

| COURSE NO. & NAME | STUDY LEVEL | FIELD |
|--|-------------|--------------------------------------|
| 6133 Tropical Rainforest Ecology* | M | Agricultural and Biological Sciences |
| 6136 Supply Chain Management for Agricultural Products * | M | Agricultural and Biological Sciences |
| 6145 Sustainable Agriculture * | M | Agricultural and Biological Sciences |
| 6148 Introduction of Genomics * | M | Agricultural and Biological Sciences |
| 6153 Seminar (I)* | M | Agricultural and Biological Sciences |
| 6207 Practical New Product Development and Marketing | M | Management |
| 6788 Environmental Toxicology* | M | Agricultural and Biological Sciences |
| 7077 Seminar (II)* | M | Agricultural and Biological Sciences |
| 7089 Thesis | M | Agricultural and Biological Sciences |

International Doctoral Program in Agriculture

| COURSE NO. & NAME | STUDY LEVEL | FIELD |
|--|-------------|--------------------------------------|
| 8288 Seminar (I) * | P | Agricultural and Biological Sciences |
| 8291 Advanced Agriculture and Applications | P | Agricultural and Biological Sciences |
| 8292 Advanced Genomics and Applications | P | Agricultural and Biological Sciences |
| 8293 Advanced Life Sciences | P | Agricultural and Biological Sciences |

Department of Agronomy

| COURSE NO. & NAME | STUDY LEVEL | FIELD |
|---|-------------|--------------------------------------|
| 5150 Utilization of Agriculture Wastes* | B M | Agricultural and Biological Sciences |
| 6154 Crop Molecular Breeding | M | Agricultural and Biological Sciences |

Department of Horticulture

| COURSE NO. & NAME | STUDY LEVEL | FIELD |
|--|-------------|--------------------------------------|
| 2119 Plant Growth Regulators and Biostimulants* | B | Agricultural and Biological Sciences |
| 6171 Dormancy Physiology of Horticultural Crops* | M | Agricultural and Biological Sciences |
| 7086 Postharvest Physiology of Horticultural Products* | M | Agricultural and Biological Sciences |
| 9032 Seminar in Horticultural Crops (IV)* | P | Agricultural and Biological Sciences |

Department of Forestry

| COURSE NO. & NAME | STUDY LEVEL | FIELD |
|---|-------------|--------------------------------------|
| 6148 Introduction of Genomics* | M | Agricultural and Biological Sciences |
| 6195 Biomass Gasification Process * | M | Agricultural and Biological Sciences |
| 7107 Principle of research in forest resources and scientific writing * | M | Agricultural and Biological Sciences |

Department of Plant Pathology

| COURSE NO. & NAME | STUDY LEVEL | FIELD |
|-------------------|-------------|--------------------------------------|
| 4097 Seminar (I)* | B | Agricultural and Biological Sciences |

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| 6220 Plant Immunity* | B M | Agricultural and Biological Sciences |
| 6223 Plant Disease and Information * | M | Agricultural and Biological Sciences |
| 6225 Advances in Plant Pathology * | M | Agricultural and Biological Sciences |
| 6229 Literature Review of Current Topics in Fungal Molecular Genetics | M | Agricultural and Biological Sciences |
| 6235 Seminar (I) * | M | Agricultural and Biological Sciences |
| 7138 Scientific Paper Writing(I) * | M | Agricultural and Biological Sciences |
| 8082 Technology of Molecular Fungal Genetics | P | Agricultural and Biological Sciences |
| 8090 Advanced Fungal Genetics | P | Agricultural and Biological Sciences |

Department of Entomology

| COURSE NO. & NAME | STUDY LEVEL | FIELD |
|---|-------------|--------------------------------------|
| 2116 Applied Entomology* | B | Agricultural and Biological Sciences |
| 2125 Insect Morphology* | B | Agricultural and Biological Sciences |
| 2150 Principle of Biological Systematics* | B | Agricultural and Biological Sciences |
| 3144 Social Insects* | B | Agricultural and Biological Sciences |
| 4124 Microbial Control of Insect Pests | B | Agricultural and Biological Sciences |
| 5101 Forward-looking courses of Animal and Plant Health Inspection and Quarantine for Diversity Management of Health | B M | Agricultural and Biological Sciences |
| 6241 Advanced Biological Control* | M | Agricultural and Biological Sciences |

6243 Selected Reading in Insect Ecology*

M

Agricultural and Biological Sciences

6255 Seminar(I)

M P

Agricultural and Biological Sciences

7148 Insect-plant Interaction*

M

Agricultural and Biological Sciences

8092 Special Topics in Insecticide Toxicology

P

Agricultural and Biological Sciences

Department of Bio-Industrial Mechatronics Engineering

| COURSE NO. & NAME | STUDY LEVEL | FIELD |
|---|-------------|--------------------------------------|
| 3146 Electric Circuits | B | Science and Engineering |
| 3217 Signals and Systems | B | Science and Engineering |
| 6361 Numerical Analysis | M | Science and Engineering |
| 6364 Electrochemical Engineering | M | Science and Engineering |
| 7196 Special Topics Research | M | Agricultural and Biological Sciences |

Department of Soil and Water Conservation

| COURSE NO. & NAME | STUDY LEVEL | FIELD |
|-------------------------------------|-------------|-------------------------|
| 2205 Mechanics of Materials* | B | Science and Engineering |

Master Program in Plant Health Care

| COURSE NO. & NAME | STUDY LEVEL | FIELD |
|--|-------------|--------------------------------------|
| 6830 Plant-Microbe Interactions in Sustainable Agriculture* | M P | Agricultural and Biological Sciences |

6835 Mass-rearing of Insects for Agricultural Application*



Agricultural and Biological Sciences

6836 Biological Control*



Agricultural and Biological Sciences

Master Program in Specialty Crops and Metabolomics

| COURSE NO. & NAME | STUDY LEVEL | FIELD |
|--|---|--------------------------------------|
| 6851 Plant Tissue Culture* | Two overlapping orange circles, the left one containing the letter 'M' and the right one containing the letter 'P'. | Agricultural and Biological Sciences |
| 6852 Metabolic Engineering of Plant Secondary Metabolism* | Two overlapping orange circles, the left one containing the letter 'M' and the right one containing the letter 'P'. | Agricultural and Biological Sciences |
| 6853 Biological Activity Methods | Two overlapping orange circles, the left one containing the letter 'M' and the right one containing the letter 'P'. | Agricultural and Biological Sciences |

Department of Applied Economics

| COURSE NO. & NAME | STUDY LEVEL | FIELD |
|---|---|------------|
| 2115 Agricultural Marketing and Policy * | A single orange circle containing the letter 'B'. | Management |
| 6199 Macroeconomic(I) | A single orange circle containing the letter 'M'. | Management |
| 6201 Microeconomic(I) * | A single orange circle containing the letter 'M'. | Management |
| 6202 Multivariate Analysis* | A single orange circle containing the letter 'M'. | Management |
| 6207 Practical New Product Development and Marketing | A single orange circle containing the letter 'M'. | Management |
| 8087 Microeconomic Theory (II) | A single orange circle containing the letter 'P'. | Management |

Department of Animal Science
















| COURSE NO. & NAME | STUDY LEVEL | FIELD |
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| 8097 Review of Literature in Dairy Products | A single orange circle containing the letter 'P'. | Agricultural and Biological Sciences |





Department of Soil and Environmental Sciences

| COURSE NO. & NAME | STUDY LEVEL | FIELD |
|--|-------------|--------------------------------------|
| 2071 Contaminants of Emerging Concern in Soil and Water * | B | Agricultural and Biological Sciences |
| 6332 Climate and Climate Change | M | Agricultural and Biological Sciences |
| 6333 Special Topics in Groundwater Remediation * | M | Agricultural and Biological Sciences |
| 6334 Applied Plant Physiology | M | Agricultural and Biological Sciences |




Graduate Institute of Biotechnology

| COURSE NO. & NAME | STUDY LEVEL | FIELD |
|--|-------------|--------------------------------------|
| 6355 Biotechnology | M | Agricultural and Biological Sciences |
| 8008 Writing a Good Quality Research Article in English | P | Agricultural and Biological Sciences |
| 8010 Metabolic Biochemistry Made Easy Sciences | P | Agricultural and Biological Sciences |
| 8012 Transgenic Plant Technology | P | Agricultural and Biological Sciences |
| 8013 Population genetics and evolution | P | Agricultural and Biological Sciences |
| 8014 Seminars in Biological Sciences(I) | P | Agricultural and Biological Sciences |
| 8015 Seminars in Biological Sciences(III) | P | Agricultural and Biological Sciences |
| 8016 Advanced Animal Biology | P | Agricultural and Biological Sciences |
| 8017 Molecular and Cell Biology | P | Agricultural and Biological Sciences |
| 8018 Phytochemistry and Herbal Medicine | P | Agricultural and Biological Sciences |



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| 8019 Seminars and Symposia |  | Agricultural and Biological Sciences |
| 8020 Basic Molecular Biology for Bioinformatics(I) |  | Agricultural and Biological Sciences |
| 8021 Biological Computing(I) |  | Agricultural and Biological Sciences |
| 8022 Rotation |  | Agricultural and Biological Sciences |
| 8023 Virus and Cell Interactions |  | Agricultural and Biological Sciences |
| 8024 Special Topics in Biological Science and Biotechnology(I) |  | Agricultural and Biological Sciences |
| 8025 Special Topics in Biological Science and Biotechnology(III) |  | Agricultural and Biological Sciences |
| 8026 Experimental Approaches in Molecular and Cell Biology |  | Agricultural and Biological Sciences |
| 8027 Advanced Chemical Biology |  | Agricultural and Biological Sciences |
| 8028 Advanced Plant Biology |  | Agricultural and Biological Sciences |
| 8029 Developmental Biology |  | Agricultural and Biological Sciences |
| 8231 Agricultural Biotechnology Research on Molecular & Biological Agricultural Sciences |  | Agricultural and Biological Sciences |
| 8232 Animal Biology Research on Molecular & Biological Agricultural Sciences |  | Agricultural and Biological Sciences |
| 8233 Plant Biology Research on Molecular & Biological Agricultural Sciences |  | Agricultural and Biological Sciences |
| 8234 Molecular Biology Research on Molecular & Biological Agricultural Sciences |  | Agricultural and Biological Sciences |

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| 8235 Literature Review of Animal Biology on Molecular & Biological Agricultural Sciences |  | Agricultural and Biological Sciences |
| 8236 Literature Review of Plant Biology on Molecular & Biological Agricultural Sciences |  | Agricultural and Biological Sciences |
| 8237 Literature Review of Molecular Biology on Molecular & Biological Agricultural Sciences |  | Agricultural and Biological Sciences |
| 8238 Literature Review of Agricultural Biotechnology on Molecular & Biological Agricultural Sciences |  | Agricultural and Biological Sciences |

Department of Food Science and Biotechnology

| COURSE NO. & NAME | STUDY LEVEL | FIELD |
|--|---|--------------------------------------|
| 3241 Food Additives |  | Agricultural and Biological Sciences |
| 4127 Special Topics Research |  | Agricultural and Biological Sciences |
| 6419 Introduction of Vitamins in One Carbon Metabolism* |  | Agricultural and Biological Sciences |

Graduate Institute of Bio-Industry Management

| COURSE NO. & NAME | STUDY LEVEL | FIELD |
|--|---|------------|
| 6455 Scientific English Writing * |  | Language |
| 6464 Green Marketing* |  | Management |

* EMI (English as a Medium of Instruction)