

# 1. Department features

- (1).** This department is the only horticulture department in the Taipei metropolitan area where is convenient for commuting. The University also ensures accommodation for freshmen and sophomore students from other counties and cities.
- (2).** Our Department is the only department in Taiwan that combines biotechnology and horticultural crop sciences. Our teachings emphasize on combining rich horticultural resources of Yangmingshan with the needs of urban horticultures. The Department has unique and abundant in environmental and ecological resources, connects the horticultural science majoring to create local areas, and develops tourism and leisure industries and Ecological education as well. The Department allow students who are interested in the field of horticultural sciences to study and accumulate professional abilities.
- (3).** The Department has accumulated 55 years of graduated alumni who are spread across various fields with a strong bond between alumni members.
- (4).** All faculty members are full with adequate teaching experiences and tutoring resources, and can provide with professional course tutoring resources to students in needs for enhancing learning effectiveness.
- (5).** Students who are interested in participating in scientific research or projects can join a professional research team of teachers in our University for implementing any research plans and the integration of learning and application purposes.
- (6).** We have multiple internship units that allow students to choose internship units based on their interests and accumulate practical experience.

# 2. Featured Programs

This Department provides a variety of horticulture related courses for students to learn and actively promoting precision, healthy, safe, and healing agriculture as special courses for teaching, research, and promotion, including:

- (1).** Horticulture sciences: special courses on aromatic plants, ornamental dendrology, horticulture business management, etc.
- (2).** Biotechnology: Plant tissue culture, plant gene regulation, plant gene transfer, biotechnology core experiments.
- (3).** We have developed cultural and creative products related to gardening, such as dried flower candles, handmade soaps, dried flower ball hangings, and many refined and diversified gardening products. In addition, a training camp for ecological conservation in the Yangmingshan area has also been set up in the Department to lead students becoming ecological tour guides in future.

### **3. Education resources**

- (1).** The Department has a wealth of diversified teaching resources and equipment, which can satisfy students' professional knowledge training and the integration of learning and application for practical teaching, research and promotion.
- (2).** The Department has good interactions with the Institute of Plant Science (IPS) , National Taiwan University. Professors from IPS are often invited to our Department to give special lectures for increasing the depth and breadth of our students' professional fields.
- (3).** The Department actively recruits international students, and currently maintains good interaction with Ton Duc Thang University, Ho Chi Minh City, Vietnam (our sister University), and can arrange academic exchanges, seminar activities and other visit itineraries, as well as student exchange studies and other activities , to help students enhance their transnational learning experiences, experience foreign courses and academic atmosphere, and enhance their international perspectives.
- (4).** Our University has more than 30 cooperative sister Universities around the world. Our students can apply according to their needs to cultivate international mobility and enhance international competitiveness. The Department also promotes dual degree programs, overseas research cooperation, internship activities, one-semester or one-year exchange opportunities, and international integration to enhance students' international perspectives.
- (5).** Departmental scholarships include: (i). Known-You Seed Company Social Welfare Foundation for 3 students per semester, and \$10,000 NTD each. (ii). Ching-Nong Seed Company Scholarship for those students who participate Foreign Language Certification Examination, College Entrance Examination, Horticulture Technician, and research with publications, totaling \$80,000 NTD per year.

### **4. Relevant licenses**

Horticulture Science is a professional technical field. In order to improve the professional knowledge level of horticulture practitioners to meet the current needs of the industry, Taiwan government has established a number of horticulture-related certificate examinations, including: **(1).** Horticulture technician Grade C, and **(2).** Gardening Grade B/C technician and horticulture technician, etc.

## 5. Employment

Our graduates have a variety of employment opportunities, including:

- (1).** Employment involved in horticulture-related fields, such as horticulture seedling and material companies, agricultural product transportation and marketing companies, pesticide and fertilizer companies, flower shops, flower markets, horticulture and landscaping engineering companies, garden design, maintenance and management, and farm operations , flower biotechnology parks, agricultural biotechnology parks, regional farmers' associations, horticulture, landscaping or biotechnology-related foundations and consortiums, biotechnology companies, etc. Salaries depend on experience and region, usually between \$28,000 to 50,000 NTD.
- (2).** Self-own business, such as leisure industry, marketing, sales and management of agricultural products, garden product or food processing industry, marketing design industry and other industries.
- (3).** Scientific researcher or assistant: Graduates can engage in work in the fields of horticultural science and academic research. Salary usually depends on the research institution and topic, between \$30,000 to 4,000 NTD .
- (4).** Agricultural consultant: Graduates also can serve as an agricultural consultant to provide farmers with advice on crop planting, breeding, soil management, biotechnology, etc. Salaries vary based on location and experience. Market conditions also vary by region, position and experience as well.

## 6. Internship opportunities

Students in our Department can participate with a variety of off-campus internships, including: **(1).** Government Agricultural institutions: Agricultural Experimental Institute, Chiayi Agricultural Experimental Branch, Fengshan Tropical Horticulture Experimental Institute, Flower Research Center, Taipei City Park Street Light Management Office, and Fu Shoushan Farm, etc. **(2).** Agricultural improvement center at Taoyuan, Miaoli, Taichung, Tainan, Kaohsiung, Hualien, and Taitung, etc. **(3).** Others: Known-You Seed Co., Ltd., Asian Vegetable Research and Development Center, Academia Sinica, and other public and private enterprise sites.