

## Notes from the MCC Horticulture Department

This newsletter highlights both our Horticulture Program and the spring 2019 semester Horticulture course schedule here at McHenry County College. Future editions of this newsletter can be found on the MCC website under the Horticulture program.

The biggest news in the Horticulture Program is our new greenhouse is nearly complete and will be up and running for the spring semester! This new structure gives us more room and an up to date, modern greenhouse for our curriculum. Take a walk down to Building D and our staff will give you a quick tour of our brand new teaching facility here at MCC.

If you have questions related to the MCC Horticulture Program, contact Horticulture Department Chair & Instructor Bruce Spangenberg; call 815-479-7522 or email [bspangenberg@mchenry.edu](mailto:bspangenberg@mchenry.edu). Whether you are pursuing a degree or certificate; or just want to learn more about growing and taking care of plants, we hope to see you in a MCC Horticulture class soon!

### McHenry County College Horticulture Curriculum Options:

#### Associate in Applied Science Degree

- Floral Design Specialty
- Greenhouse Specialty
- Landscape Specialty
- Urban Agriculture Specialty

#### Greenhouse Certificate

#### Gardening Certificate

#### Turf & Golf Course Management Certificate

#### Landscape Management Certificate

#### Floral Design Certificate

## Horticulture Courses for Spring Semester 2019

**\*HRT 100 *Introduction to Horticulture***  
10:00 to 11:50 am Mon/Wed (Spangenberg)

**\*HRT 103 *Introduction to Plant Science***  
10:00 am to 12:50 pm Tue/online (Spangenberg)  
OR  
1:00-3:50 pm Tue lecture with  
2 Lab Sections on Thurs (Tobiasz)

**\*HRT 105 *Introduction to Soil Science***  
1:00 pm to 3:50 pm Mon/Wed (Spangenberg)

**\*HRT 120 *Basic Floral Design***  
8:30 am to 12:20 pm Wed (Archambeau)

**HRT 125 *Intermediate Floral Design***  
6:00 pm to 9:50 pm Wed (Archambeau) OR  
8:30 am to 12:20 pm Thurs (Archambeau)

**\*HRT 159 *Landscape Perennials***  
6:00 to 9:50 pm Wed

**HRT 203 *Introduction to Hydroponics***  
6:00 pm to 9:50 pm Tue (Nabong)

**HRT 222 *Flower Shop Management***  
6:00 to 9:15 pm Mon (Hunt)

**\*HRT 231 *Spring Greenhouse Production***  
6:15 to 10:05 pm Thurs (Martin)

Course descriptions found on the back side  
Spring 2019 classes start January 22<sup>nd</sup>

MCC Catalog & Schedules can be found on the MCC  
website; [www.mchenry.edu](http://www.mchenry.edu)

### **\*100 Introduction to Horticulture**

*Introduction to Horticulture* covers all areas of the field of horticulture; including fruit and vegetables crops, trees and shrubs, turfgrass, flowers, and indoor plants. Lecture and labs discuss the principles and practices related to the selection, development, production, and use of horticulture plants & crops and the industry.

### **\*HRT 103 Introduction to Plant Science**

*Introduction to Plant Science* focuses on the biology of plants including their structure, function, heredity, growth and evolution. Learn how the sciences of genetics, physiology and reproduction are applied to improve, manage and produce plants. The course also discusses historical and economic significance of plants as food, feed and fiber; plant classification; growth and development; propagation; and influences of the botanical environment on plant processes. **3 sections in spring**

### **\*HRT 105 Introduction to Soil Science**

*Introduction to Soil Science* covers a range of topics: the chemical, physical and biological properties of soils; the origin, classification and distribution of soils and their influence on people and plant production; the management and conservation of soil and water resources; and the environmental impact of soil use. Composting, nutrient management, and soil organic matter is also discussed.

### **\*HRT 120 Basic Floral Design**

*Basic Floral Design* is the first course in a sequence of floral design lecture/lab courses in the Horticulture Curriculum. All aspects of floral design are covered, including the principles of design, an introduction to work materials, and design techniques for both floral arrangements & corsages.

**(noncredit option available for spring 2019)**

### **HRT 125 Intermediate Floral Design**

*Intermediate Floral Design* builds on the skills learned in the introductory class (HRT 120). Students focus on quality arrangements as they practice more advanced techniques of floral assembly and design. They also look at various aspects of running a floral design business, including inventory and cost control, the value of different flowers, product availability and marketing.

**(prerequisite HRT 120) 2 sections in spring (noncredit option available for spring 2019)**

### **\*HRT 159 Landscape Perennials**

*Landscape Perennials* gives students interested in garden design a background in perennials. It covers the identification, use and environmental requirements of herbaceous perennials in landscaping. Laboratory and field work stress identification of species as well as designing with and caring for perennials.

### **HRT 203 Introduction to Hydroponics**

*Introduction to Hydroponics* is an in-depth hands-on study of hydroponic and aquaponic systems for growing horticultural crops and plants in indoor environments. Lecture and lab include the essentials of building a system, equipment considerations, starting and maintaining crop plants and fish, and troubleshooting problems. Students learn hands-on in a greenhouse setting.

*Note: Previous credit in HRT 130 and HRT 231 recommended. Prerequisite: HRT 103*

### **HRT 222 Flower Shop Management**

*Flower Shop Management* covers all the essentials of managing a flower shop, including equipment, supplies, living and non-living materials, floral shop design and construction, and day-to-day operations. *(prerequisite of HRT 120) This course may be used as a business requirement for any horticulture student*

### **\*HRT 231 Spring Greenhouse Production**

*Spring Greenhouse Production* covers the commercial production of spring crops and bedding plants. Students learn about watering, fertilization, containers, growing media, temperature control, insects and diseases, height control, scheduling, and marketing. The course details bedding plant production from selection and seeding to final retail sale at semester end.

**\* No Prerequisite for courses marked with \***

*Mark your calendars for Gardenfest 2019 on Saturday April 6, 2019 here at MCC. This annual event co-sponsored by University of Illinois Extension and MCC features a full day of gardening seminars and workshops; including a keynote speaker and lunch. A morning hands-on gardening program for kids and parents is being added in 2019! Watch the MCC website for details after January 1.*