

# URBAN AGRICULTURE (URB AG)

## Urban Agriculture (URB AG) 110

### Introduction to Urban Agriculture

This course aims to equip students with a holistic understanding of urban agriculture, emphasizing its role in fostering equitable, sustainable, and just communities. Through a combination of theoretical learning, practical experiences, and critical thinking, students will be prepared to actively contribute to the advancement of urban agriculture practices.

3 Lecture hours. 3 Credit Hours.

**Offered At:** OH

## Urban Agriculture (URB AG) 111

### Hydroponics and Aquaponics

Aquaponics and hydroponics are alternative methods of plant production. This course will examine the key maintenance factors in aquaponics and hydroponics including water testing, quality monitoring and nutrient balance, as required for these types of growing systems.

*Grade of C or better in HORTIC 104*

2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.

**Offered At:** OH

## Urban Agriculture (URB AG) 112

### Greenhouse Management

This course offers an understanding of the principles of greenhouses and controlled environment operation and management.

*Grade of C or better in HORTIC 104*

2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.

**Offered At:** OH

## Urban Agriculture (URB AG) 113

### Introduction to Urban Science

This course provides a comprehensive exploration of Urban Science, an interdisciplinary field at the intersection of data science, social sciences, and urban studies. Participants will delve into the complexities of urban environments, gaining valuable insights into the methods, technologies, and applications that contribute to understanding and addressing challenges faced by modern cities.

3 Lecture hours. 3 Credit Hours.

**Offered At:** OH

## Urban Agriculture (URB AG) 115

### Introduction to Geographic Information Systems for Urban Agriculture

Geographic Information Systems (GIS) are powerful tools that enable the description, analysis, and visualization of spatial data and information.

This introductory course provides students with a foundational understanding of GIS concepts and practical skills for utilizing these systems across various research fields.

2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.

**Offered At:** OH

## Urban Agriculture (URB AG) 200

### Applications in Urban Agriculture Studies

This course immerses students in hands-on experiences across diverse urban agriculture settings. Participants will actively engage in urban farming practices, focusing on implementing crop plans, managing indoor and outdoor growing methods, and addressing challenges such as pest infestations. The course emphasizes practical training in sustainable and productive farming techniques tailored to urban environments, equipping students for roles in the growing field of urban agriculture.

*Successful completion of all the following core courses with a grade of C or better: HORT 104, URBAG 110, URBAG 111, and URBAG 112.*

4 Laboratory hours. 1 Lecture hours. 3 Credit Hours.

**Offered At:** OH

## Urban Agriculture (URB AG) 201

### Applications in Urban Science

This hands-on class provides students with immersive experiences in the field of urban science. Through real-world engagements, students will apply theoretical knowledge to practical scenarios, gaining valuable insights into the complexities of urban environments.

*Successful completion of URBAG 110, URBAG 113, and URBAG 115*

2 Laboratory hours. 2 Lecture hours. 3 Credit Hours.

**Offered At:** OH