

## **AGRICULTURE-GENERAL (AG)**

### **AG 111, INFORMATION TECHNOLOGY IN AGRICULTURE, 3 Credits**

Using information technology in agriculture and agribusiness; practical experience with computer programs applicable to all agricultural disciplines.

**Equivalent to:** AREC 111

*Available via Ecampus*

### **AG 199, SPECIAL STUDIES, 1-16 Credits**

*This course is repeatable for 16 credits.*

### **AG 200, ORIENTATION TO THE AGRICULTURAL SCIENCES MAJOR, 2 Credits**

Exploration of Agricultural Sciences major and career opportunities.

### **AG 211, SURVEY AND CONSTRUCTION, 3 Credits**

Land measurement and leveling as applied to agricultural uses. Concrete and agricultural building construction including the use of construction power tools, selection of materials and cost estimating.

### **AG 221, METALS AND WELDING, 3 Credits**

Practices of metal working including the use of metal working machines, metal identification, heat treating and metal properties. Fabrication of metals including arc and oxy-acetylene welding and cutting. Lec/lab.

### **AG 230, INTRODUCTION TO EXTENSION AND ENGAGEMENT, 3 Credits**

For students interested in pursuing a career with the OSU Extension Service. An introduction to the OSU Extension Service mission, philosophy, history, organization, structure, administration, program areas, Extension program development, Extension teaching and delivery methods, and the involvement and use of volunteers.

*This course is repeatable for 6 credits.*

### **AG 301, \*ECOSYSTEM SCIENCE OF PACIFIC NW INDIANS, 3 Credits**

Designed and presented in partnership with Pacific Northwest Indians and Alaska Natives, focusing on natural ecosystems, differing views, power relationships, policymaking, and gender roles. (Bacc Core Course)

**Attributes:** CPDP – Core, Perspective, Difference/Power/Discrimination

*Available via Ecampus*

### **AG 311, \*NATIVE AMERICAN AGRICULTURE, 3 Credits**

Explores Native North American agriculture and land management—prehistory of important domesticates such as maize, historic change, and contemporary issues including modern stereotypes, women in agriculture, cultural survival, and both the physical and spiritual significance of these crops in Native American communities and around the globe past and present. (Bacc Core Course)

**Attributes:** CPCD – Core, Pers, Cult Diversity; CPDP – Core, Perspective, Difference/Power/Discrimination

*Available via Ecampus*

### **AG 312, ENGINE THEORY AND OPERATION, 3 Credits**

Engine construction, operational theories and principles, lubrication, fuels and oils, emissions and preventive maintenance are taught through the process of small engine lab activities. Engine efficiency theories and measurement are presented.

### **AG 318, ACCESSING INFORMATION FOR AGRICULTURAL RESEARCH, 1 Credit**

Designed for students at a distance to develop library skills and improve access to information used to conduct technical agricultural research.

### **AG 351, \*COMMUNICATING AGRICULTURE TO THE PUBLIC, 3 Credits**

Students will explore various outlets for communicating with the public about agriculture using appropriate, professional writing. Additionally, students will articulate their thoughts on controversial issues as well as write feature and editorial pieces promoting positive agricultural practices and people in agriculture. (Bacc Core Course)

**Attributes:** CPSI – Core, Pers, Soc Proc & Inst; CSGI – Core, Synth, Global Issues

*Available via Ecampus*

### **AG 391, FARM IMPLEMENTS, 3 Credits**

Power farming implements including operation, maintenance, adjustments, calibration and use are covered. Field trips may be required.

*Available via Ecampus*

### **AG 401, RESEARCH, 1-16 Credits**

*This course is repeatable for 16 credits.*

*Available via Ecampus*

### **AG 402, INDEPENDENT STUDIES, 1-16 Credits**

*This course is repeatable for 16 credits.*

### **AG 403, THESIS, 1-16 Credits**

*This course is repeatable for 16 credits.*

### **AG 405, READING AND CONFERENCE, 1-16 Credits**

*This course is repeatable for 16 credits.*

*Available via Ecampus*

### **AG 406, SPECIAL PROBLEMS, 1-16 Credits**

*This course is repeatable for 16 credits.*

### **AG 407, SEMINAR, 1-16 Credits**

*This course is repeatable for 16 credits.*

*Available via Ecampus*

### **AG 409, PRACTICUM, 1-16 Credits**

*This course is repeatable for 16 credits.*

*Available via Ecampus*

## **AG 410, INTERNSHIP, 1-16 Credits**

A work internship to give students practical on-the-job preparation in any of the main facets of agriculture or related industries.

*This course is repeatable for 16 credits.*

*Available via Ecampus*

## **AG 412, AG SAFETY AND HEALTH, 3 Credits**

An examination of various hazards associated with agriculture. Control strategies will be explored and prevention methods identified. Hazards examined include machinery, livestock, controlled spaces, pesticides, and other items common to the agricultural workplace. Lec/Lab.

*Available via Ecampus*

## **AG 421, ^WRITING IN AGRICULTURE, 3 Credits**

Students will synthesize their knowledge in various areas of agricultural sciences and analyze how current issues impact the agriculture industry, explore careers in agriculture, and develop their written communication skills. Students will share their ideas and demonstrate their learning primarily in writing. (Writing Intensive Course)

**Attributes:** CWIC – Core, Skills, WIC

*Available via Ecampus*

## **AG 425, DEVELOPMENTS IN AGRICULTURAL MECHANICS, 3 Credits**

Emphasis on the development of instructional units for agricultural instruction programs. Wide applications to agricultural mechanization and biotechnology.

*This course is repeatable for 9 credits.*

## **AG 435, PROFESSIONAL PRESENTATIONS IN AGRICULTURE, 3 Credits**

Students will learn to effectively create and deliver professional presentations relevant to careers in agriculture and natural resources.

This includes developing skills for both formal and informal presentations, using visual aids effectively, and using appropriate strategies to engage various audiences.

*Available via Ecampus*

## **AG 445, SOCIAL MEDIA ADVOCACY IN AGRI SCIENCES & NATURAL RESOURCES, 3 Credits**

Through practice and application, students develop the ability to communicate effectively in writing using social media and other digital platforms for business purposes, including internal communication, stakeholder engagement, educational messaging, event promotion, and product marketing.

## **AG 455, \*RISK AND CRISIS COMMUNICATIONS IN AG SCI & NATURAL RESOURCES, 3 Credits**

Examine potential risk and crisis communications scenarios in agriculture, natural resources and environmental sciences, plus the relevant theories, models, and processes involved in addressing these types of situations effectively. Explores the mitigation, management, and response to risks and crises from a communications perspective with special application to natural resources, along with agricultural and environmental sciences, hazardous situations through completing case studies and creating a risk and crisis communications manual. (Bacc Core Course)

**Attributes:** CPSI – Core, Pers, Soc Proc & Inst

*Available via Ecampus*

## **AG 465, AG SCI AND NATURAL RESOURCES COMMUNICATIONS MINOR CAPSTONE, 2 Credits**

Reflect on accumulated knowledge and technical/soft skills gained and conceptualize how to apply communication theories and practices in the context of future agricultural and natural resources careers. Integrate real-life agriculture and natural resources communications scenarios, which will allow for the practice of strategy development, proper implementation, and appropriate assessment methods. Helps package and demonstrate skills verbally and in a portfolio.

**Prerequisite:** AG 351 with D- or better

## **AG 492, TECHNOLOGY TRANSFER IN AGRICULTURE, 3 Credits**

Examination of processes by which formal and informal agricultural instruction programs influence the introduction and acceptance of technology in agriculture. An emphasis in the international arena will be maintained. The focus throughout the course will be on the role of a professional change agent working with technological change.

## **AG 499, SPECIAL TOPICS, 1-4 Credits**

Topics may vary from term to term and from year to year. May be repeated for credit when topics differ.

*This course is repeatable for 12 credits.*

## **AG 507, SEMINAR, 1-16 Credits**

*This course is repeatable for 16 credits.*

## **AG 509, PRACTICUM, 1-16 Credits**

*This course is repeatable for 16 credits.*

## **AG 518, EXTENSION COURSE IN TEACHER EDUCATION: TECHNICAL, 1-3 Credits**

Enables present and prospective teachers of agriculture to continue their professional development on technical topics of current importance.

**Equivalent to:** AED 518

*This course is repeatable for 9 credits.*

## **AG 521, WRITING IN AGRICULTURE, 3 Credits**

Students will synthesize their knowledge in various areas of agricultural sciences and analyze how current issues impact the agriculture industry, explore careers in agriculture, and develop their written communication skills. Students will share their ideas and demonstrate their learning primarily in writing.

*Available via Ecampus*

## **AG 525, DEVELOPMENTS IN AGRICULTURAL MECHANICS, 3 Credits**

Emphasis on the development of instructional units for agricultural instruction programs. Wide applications to agricultural mechanization and biotechnology.

*This course is repeatable for 45 credits.*

*Available via Ecampus*

## **AG 541, COMMUNITY PROGRAMS IN AGRICULTURE, 3 Credits**

Evaluating agricultural education program effectiveness and technical appropriateness. Development of long-range plans for agricultural programs to meet the technical needs of a community.

## **AG 592, TECHNOLOGY TRANSFER IN AGRICULTURE, 3 Credits**

Examination of processes by which formal and informal agricultural instruction programs influence the introduction and acceptance of technology in agriculture. An emphasis in the international arena will be maintained. The focus throughout the course will be on the role of a professional change agent working with technological change.

## **AG 808, WORKSHOP, 1-4 Credits**

Designed to enhance professionalism and create a knowledge base to increase personal effectiveness. This course will provide a basis for future leadership by synthesizing theoretical knowledge with practical application. Individuals will have the opportunity to explore their own personality, reflect on their leadership ability, and develop the professional skills and networking abilities necessary to become influential leaders in their home, community and profession.

*This course is repeatable for 4 credits.*