

# AGRICULTURE (AGRI)

## Quick Facts: AGRI Courses

- **Instructional School:** Science, Technology, and Math
- **Department:** Agricultural Sciences

### AGRI 109 Principles of Animal Science

(3 Credits, Fall/Spring/Summer)

The focus of this course is the scope and potential of the livestock industry and its relationship to society and food systems. Introductory scientific principles of animal science, livestock production systems, and current issues will be taught. PRE/COREQ: AGRI 109L. *(This CWI course meets Idaho State Board of Education GEM competency requirements for GEM 4 - Scientific Ways of Knowing.)* (3 lecture hours, 0 lab hours, 3 credits)

### AGRI 109L Principles of Animal Science Lab

(1 Credit, Fall/Spring/Summer)

The focus of this course is the scope and potential of the livestock industry and its relationship to society and food systems. Introductory scientific principles of animal science, livestock production systems, and current issues will be taught. PRE/COREQ: AGRI 109. *(This CWI course meets Idaho State Board of Education GEM competency requirements for GEM 4 - Scientific Ways of Knowing.)* (0 lecture hours, 3 lab hours, 1 credits)

### AGRI 120 Global Food Perspectives - Farm to Plate

(3 Credits, Fall/Spring)

This course provides students with an introduction to global food systems (farm to plate). Students will discuss the social, economic, environmental and global dimensions of food systems and agriculture. Topics will include technological development related to food, genetic resources and biotechnology, agricultural policies, organic production, globalization structures, animal and biofuels production, and sustainability. *(This CWI course meets the institutional competency requirements in Global Perspectives. It has also been E designated and will fulfill the Ethical Reasoning requirement.)* (3 lecture hours, 0 lab hours, 3 credits)

### AGRI 271 Animal Anatomy and Physiology

(3 Credits, Varies)

This course is an introduction to the study of structure (anatomy) and function (physiology) of tissues and organ systems of domestic animals. Students will develop their knowledge of animal anatomy and physiology as a basis for understanding care and management of livestock. PREREQ: AGRI 109, AGRI 109L, BIOL 111, and BIOL 111L with a grade of C or higher. PRE/COREQ: AGRI 271L. (3 lecture hours, 0 lab hours, 3 credits)

### AGRI 271L Animal Anatomy and Physiology Lab

(1 Credit, Varies)

This course is an introduction to the study of structure (anatomy) and function (physiology) of tissues and organ systems of domestic animals. Students will develop their knowledge of animal anatomy and physiology as a basis for understanding care and management of livestock. Additional fee required for lab. PREREQ: AGRI 109, AGRI 109L, BIOL 111, and BIOL 111L with a grade of C or higher. PRE/COREQ: AGRI 271. (0 lecture hours, 2 lab hours, 1 credits)

### AGRI 278 Farm and Agribusiness Management

(3 Credits, Varies)

This course is a study of management principles for the profitable operation of farms, ranches, and other agribusiness firms. Students will study the economic principles, records, and analyses that enable decision making for maximum profits in agricultural enterprises. Emphasis is given to decision making, planning, implementation, and controls in farm, ranch, and other agribusiness operations. Class-time includes tools used for management of financial assets and planning including the balance sheet, income statement, and budgets, investment analysis of business-related improvements, tax issues, and personnel management. (3 lecture hours, 0 lab hours, 3 credits)

### AGRI 289 Agricultural Markets

(3 Credits, Varies)

This course focuses on the economics of agricultural markets, processes of price discovery, factors that influence agricultural prices, and agricultural marketing. Students learn to analyze supply, demand, and elasticities for agricultural commodities and examine local, national, and international factors that cause shifts in supply and demand. The course will cover trade, market structure, connections among market participants, futures markets as a tool for price risk management, and institutional arrangements in food marketing. The concepts of the theoretical economic framework covered in this class are applied in commodities relevant to the State of Idaho and the Northwest region. PREREQ: Placement into MATH 143P. (3 lecture hours, 0 lab hours, 3 credits)

### AGRI 290 Agricultural Science Capstone

(2 Credits, Spring)

This course is designed for all students completing agriculture degrees at CWI. The focus of this capstone is to provide a unique opportunity to explore the role agriculture plays in the Treasure Valley. Upon completion, students will be prepared for transfer to four-year agriculture programs, as well as a career within the agricultural industry. PRE/COREQ: AGRI 271 and AGRI 271L, or AGRI 289, or FERM 120. (2 lecture hours, 0 lab hours, 2 credits)

### AGRI 293 Agriculture Internship

(1-3 Credits, Varies)

Internships allow students to apply learning to real-life career possibilities. Credits are earned through supervised fieldwork specifically related to a student's area of study. Students must meet with the CWI Work Based Learning Center (WBLC) before they can register for this course. Students are encouraged to initiate this process at least 10 days prior to the semester registration deadline. The WBLC will coordinate with students, advisors, and the department to finalize enrollment. PREREQ: PERM/INST. (0 lecture hours, 3 lab hours, 1 credits)

### AGRI 296 Agriculture Independent Study

(1-10 Credits, Varies)

This is a term long project. Each credit hour is equivalent to 37.5 hours of work on a project. Students should make arrangements with the instructor in their field of interest. Then, students must meet with the CWI Work Based Learning Center (WBLC) before they can register for this course. Students are encouraged to initiate this process at least 10 days prior to the semester registration deadline. The WBLC will coordinate with students, advisors, and the department to finalize enrollment. PREREQ: PERM/INST. (0 lecture hours, 0 lab hours, 1 credits)

Refer to [How to Read Course Descriptions](#) for an explanation of elements found in the course descriptions above.