Ag 151. Farm Accounting (3)

Prerequisite: Econ 1A, Ag 27, or permission of instructor. Farm accounting systems, farm records, budgets, income tax returns. (2 lectures, 3 lab hours)

Ag 159. Spray Materials (3)

Prerequisite: Chem 2A-B. Development of agricultural chemical industry; chemical properties of compounds used as insecticides, fungicides, rodenticides and herbicides; formulations, regulations and typical uses of these materials. (2 lecture, 3 lab hours)

Ag 180. Special Problems (1-4; max total 4)

Open to juniors or seniors with permission of instructor. May not be substituted for course requirements in major. Exploratory work on a suitable agricultural problem in animal science, plant science, or agricultural mechanics.

Ag 182. Soil Management (3)

Prerequisite: Ag 136 or equivalent, Chem 2A-B. Factors affecting soil fertility; management of soils, attaining continuous maximum productivity. Physical, chemical and field tests on soil fertility, crop and livestock soil management. (2 lecture, 3 lab hours; one week-end field trip)

Ag 184. Advanced Irrigation (3)

Prerequisite: Ag 146 or equivalent. Evaluation of the equipment design, operation, soil and crop response of methods of irrigation, sprinkler methods; pipe line and other methods featuring water control, soil and water conservation. (2 lecture, 3 lab hours; one week-end field trip)

Ag 186. Methods of Teaching General Agriculture (3)

Prerequisite: E Ed 105; S Ed 163 or permission of instructor. Philosophy and teaching techniques in general agriculture; organization of teaching materials; professional standards for teachers.

Ag 190. Independent Study (1-3; max see reference)

See *Regulations and Procedures—Independent Study*.

GRADUATE COURSES (Ag)

(See *Course Numbering System—Definitions and Eligibility*)

200. Experimental Methods (3)

Prerequisite: Math 40 or equivalent; permission of instructor. Principles of research emphasizing procedures, collection of data, summarization and publication of results. Design, conduct, and analysis of experiments in agriculture.

220. Readings in Agriculture (2-3)

Prerequisite: permission of instructor. Individually directed readings in a field of special concern to the student's graduate program; appropriate reports and evaluation required.

240T. Topics in Animal Science (3; max total 12)

Prerequisite: upper division animal science appropriate to study topic; permission of instructor. Investigation of topic in animal science: anatomy, physiology, pathology, nutrition, genetics, or economics.

250T. Topics in Plant Science (3; max total 12)

Prerequisite: upper division plant science appropriate to study topic, permission of instructor. Advanced studies in a given area: crop physiology, plant breeding, plant pathology, plant nutrition, or economics.