

112. Farm Management (3)

Prerequisite: junior standing. Farm management; basic economic principles relating to farm management; organizing the individual farm unit; balancing crop and livestock enterprises; farm business administration. (2 lecture, 3 lab hours)

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)

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 agricultural education, agricultural mechanics, dairy industry, enology, or food science.

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

See *Regulations and Procedures—Independent Study*.

AGRICULTURAL EDUCATION (AgEd)**135. Introduction to Agricultural Education (2)**

Survey of agricultural education; vocational surveys; occupational analysis; relationship of agriculture to occupational opportunities; qualifications for teaching agriculture.

186. Methods of Teaching General Agriculture (3) (Former Ag 186)

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.

187. Vocational Education (2)

Prerequisite: AgEd 186. Philosophy and organization of vocational education; educational principles for agriculture.

188. Group Study in Agricultural Mechanics (2)

Agricultural mechanics in the vocational agriculture program; organization of course of study and implementation of program; demonstration and analysis of teaching techniques.

189. Adult and Continuation Education in Agriculture (2)

Organization, history, philosophy, administration; teaching out-of-school youth and adults; development of rural and urban adult education programs, Young Farmer programs; techniques and methods of leadership.

AGRICULTURAL MECHANICS (AgM)**15. Agricultural Mechanics (2)**

Mechanical skills in field of agriculture; selection, care and use of common farm tools; projects of wood and metal in farm appliances. (1 lecture, 3 lab hours)

17. Farm Tractors (2)

Operation and maintenance of farm tractors; operation of farm tractor under field conditions; service, maintenance and minor repair of gas, diesel, and butane type engines of wheel and crawler type. (1 lecture, 3 lab hours; and total of 5 hours of field operation.)

18A-B. Agricultural Welding (2-2)

Prerequisite or concurrently: AgM 15. (A) Arc and oxyacetylene welding as a tool of construction and repair in the farm shop; brazing; building up worn parts;