

AGRONOMY (AGRO)

AGRO 414G Crop Improvement 3 Hours

Identification, development, and utilization of genetic differences in the improvement of cultivated plants. Note: Six hours of plant science required.

Recent Term(s) Offered: None

AGRO 420G Forage Crops 2 Hours

Distribution, improvement, morphology, culture, harvesting and utilization of forage crops are presented.

Prerequisite(s): AGRO 110 and AGRO 350 and BIOL 120

Corequisite(s): AGRO 421G

Recent Term(s) Offered: fall 2019; spring 2021

AGRO 421G Forage Crops Laboratory 1 Hour

A laboratory course correlated with AGRO 420G.

Corequisite(s): AGRO 420G

Recent Term(s) Offered: fall 2019; spring 2021

AGRO 455G Soil Chemistry 2 Hours

Analytical techniques used in soil chemistry and soil fertility; studies nutrient determination, colloidal systems, chemical properties related to plant nutrition.

Prerequisite(s): AGRO 350

Corequisite(s): AGRO 456G

Recent Term(s) Offered: None

AGRO 456G Soil Chemistry Lab 1 Hour

A laboratory course correlated with AGRO 455G.

Corequisite(s): AGRO 455G

Recent Term(s) Offered: None

AGRO 457G Soil Form/Class/Map 2 Hours

Soil origin; classification schemes; profile description, mapping and interpretation of soil survey information are discussed, emphasizing Kentucky soils.

Prerequisite(s): AGRO 350

Corequisite(s): AGRO 458G

Recent Term(s) Offered: None

AGRO 458G Soil Form/Class/Map Lab 1 Hour

A laboratory course correlated with AGRO 457G.

Corequisite(s): AGRO 457G

Recent Term(s) Offered: None

AGRO 475G Topics Agronomy 1-3 Hours (repeatable max of 6 hrs)

Special topics acquaint advanced undergraduate students with scientific developments of current interest in agriculture. Appropriate topic titles are assigned. Lecture and assignments vary with credit.

Prerequisite(s): permission of instructor

Recent Term(s) Offered: None

AGRO 509 Weed Science 2 Hours

Identification of prominent weed species; relationship of weeds to crop production problems; physical and chemical control measures.

Prerequisite(s): BIOL 120 and AGRO 110 and (CHEM 105 and CHEM 107) or equivalent

Corequisite(s): AGRO 510

Recent Term(s) Offered: None

AGRO 510 Weed Science Laboratory 1 Hour

A laboratory course correlated with AGRO 509.

Corequisite(s): AGRO 509

Recent Term(s) Offered: None

AGRO 521 Pasture Management 3 Hours

Development of pastures, physiological principles related to forage production, pasture management, and preservation and use of conserved forages.

Prerequisite(s): (AGRO 420 and AGRO 421) and (ANSC 448 or permission of instructor)

Recent Term(s) Offered: spring 2019

AGRO 522 Field Crops 3 Hours

Distribution, morphology, culture, phenology, harvest and utilization of field crops are presented.

Prerequisite(s): AGRO 110 and AGRO 350 and BIOL 120

Recent Term(s) Offered: fall 2019

AGRO 552 Soil Microbiology 3 Hours

Soil microbial populations and systems and their influence on plant nutrition. Soil organic matter, its decomposition and associated microorganisms; oxidation-reduction process; nitrogen fixation.

Prerequisite(s): AGRO 350 and BIOL 207 and BIOL 208

Recent Term(s) Offered: spring 2019; spring 2021

AGRO 554 Soil Management & Conservation 3 Hours

Economic utilization of land for agricultural recreation and public purposes; interpretation and application of soil conservation; public and industrial uses; practice in designing land-use maps.

Prerequisite(s): AGRO 350

Recent Term(s) Offered: spring 2020; spring 2021