

# PLANT & SOIL SCIENCES (PLSS)

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**PLSS 509 Advanced Weed Ecology and Management 2 Hours**

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

**Prerequisite(s):** permission of instructor

**Corequisite(s):** PLSS 510

*Recent Term(s) Offered: fall 2026*

**PLSS 510 Advanced Weed Ecology and Management Laboratory 1 Hour**

A laboratory course correlated with AGRO 509.

**Corequisite(s):** PLSS 509

*Recent Term(s) Offered: fall 2026*

**PLSS 519 Principles of Fruit, Vegetable, and Viticulture Production 3 Hours**

Production of vegetables that are particularly suited for Kentucky, considering variety selection, culture, harvesting, processing, and marketing.

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**PLSS 522 Advanced Grain Crop Production 3 Hours**

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

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: fall 2026*

**PLSS 525 Advanced Forage Production Management 3 Hours**

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

*Recent Term(s) Offered: fall 2026*

**PLSS 552 Advanced Soil Ecosystems 3 Hours**

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

**Prerequisite(s):** permission of instructor

*Recent Term(s) Offered: None*

**PLSS 554 Advanced Soil and Water 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):** permission of instructor

*Recent Term(s) Offered: None*

**PLSS 575 Special Topics in 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*

**PLSS 576 Advanced Topics in Horticultural Sciences 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*

**PLSS 676 Advanced Topics in Horticultural Sciences 1-3 Hours**

No course description is available

*Recent Term(s) Offered: None*