AGRICULTURAL AND ENVIRONMENTAL PLANT SCIENCE (AEPS)

AEPS 502: Current Issues in Agricultural Innovation
2 Credits

Current Issues in Agricultural Innovation was designed to expose students to a broad overview of modern agricultural research topics and to consider how Scientific, Ethical, Legal and Social Issues impact their adoption. In this class, we will explore how modern agricultural technologies, particularly those related to cropping systems and plant-based foods, can provide substantial economic and nutritional benefits, while simultaneously reducing risks to the environment and human health generated by agricultural practices. We will also explore the risks of agricultural innovations and potential problems associated with them. Agriculture research and science innovation often intersect with ethical considerations and this theme will be one of the main topics and also dispersed throughout each of the class meetings. We will examine the social dimensions of scientific research and technology development. This includes reading and discussing work on how social contexts influence scientific research and technology diffusion, on variations among the public and expert on perceptions of research and technology risks, on differences between public and private research institutions, and on validity and integrity in regulatory systems.

AEPS 590: Colloquium
1-3 Credits/Maximum of 3

Continuing seminars that consist of a series of individual lectures by faculty, students, or outside speakers.

AEPS 600: Thesis Research
1-15 Credits/Maximum of 15
No description

AEPS 601: Ph.D. Dissertation Full-Time
0 Credits/Maximum of 999
No description

AEPS 602: Supervised Experience in College Teaching
1-3 Credits/Maximum of 6

Supervised experience in teaching and orientation to other selected aspects of the profession at The Pennsylvania State University.

AEPS 610: Thesis Research Off-Campus
1-15 Credits/Maximum of 999
No description.