Purdue Agronomy Senior Lecturer

Req # 12332

Job Summary

This position will develop and administer laboratory-based instruction in genetics (plant and animal) and support and aid faculty in developing and delivering the genetics curriculum in Agronomy. Provide instructional and operational services for residential and online course delivery. Develop and give lecture and laboratory-based instruction. Implement policies, procedures, and standards for laboratory instruction. Maintain instructional equipment and order supplies and equipment. Coordinate with faculty, instructional technologists, and graduate teaching assistants, assisting in a genetics Lab. Maintain personal excellence in educational techniques.

Duties

Teaching genetics lab during the academic year. Monitoring application of all experimental protocols to ensure satisfactory operation of the experiments in the teaching laboratory. Instruction to meet learning objectives and assessment of their mastery for undergraduate students. Preparing to teach genetics lab. Maintaining instructional equipment and ordering supplies and equipment. Preparing reagents and supplies for instruction. Collaborating with faculty and teaching assistants on the development of laboratory assignments. Devising alternatives to meet uncertainties occasionally encountered in laboratory teaching, including spoiled or incorrectly prepared reagents, instrument failures, and shipment delays. Working with current Safety Officer to monitor safety practices. Supervising laboratory responses regarding compliance with safety regulations and prepare for safety audits. Assessing and correcting safety problems and violations. Working with TAs as needed.

Developing and coordinating genetics curriculum in the residential and online environments in collaboration with faculty, instructional designers and technologists, and graduate teaching assistants. Coordinate Learning Objectives across all sections of the genetics lecture course and the genetics lab course. Collaborate to develop and implement innovative and diverse teaching methods in genetics, such as flipped classrooms, game-based learning, etc.

Implementing, curating, and updating a test bank of genetics relevant to the learning objectives assessment questions pertinent to the learning objectives cannot be found on the Internet.

Maintaining and improving personal understanding of genetics and keeping apprised of pedagogical advances in the teaching of the field through independent reading and attendance at on- and off-campus short courses and national meetings. Advising faculty on relevant new developments in instructional methods that would be relevant to enhancing departmental genetics teaching portfolios. Assist with teaching and assessing genetics lectures online and in-person, as needed.
Qualifications

Master’s degree in Life Sciences, Ph.D. preferred. Two years of experience teaching college-level life sciences or related courses

Required

- Technical skills and abilities to teach genetics
- Ability to teach in the classroom, laboratory, and small groups
- Knowledge of safe and sound laboratory practices
- Strong oral and written communication skills, with the ability to work with people with diverse backgrounds
- Organizational skills, especially those required for preparation and electronic delivery of teaching materials

Preferred

Experience teaching college-level genetics courses

Experience teaching college-level online courses

Practical life science actual laboratory experience

Application Process

To apply, please visit careers.purdue.edu. Applications must include: 1) Curriculum Vitae, 2) Cover letter of interest that includes a short statement describing the applicant’s experience and qualifications.

Purdue University’s School/Department of Agronomy is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in a separate Diversity and Inclusion Statement, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion.

Link:

https://career8.successfactors.com/sfcareer/jobreqcareer?jobId=12332&company=purdueuniv
Benefits Eligibility

Benefits will include comprehensive health and retirement plan.

Additional Information

This person will oversee and provide leadership for all activities related to teaching undergrads in our Genetics program. They will need to coordinate with the departments teaching community; manage the teaching facility; manage equipment including maintenance, replacements, purchase supplies, and hire and manage teaching assistances as needed.

A background check is required for employment for this position.

Screening applicants will begin December 20, 2020, and continue until the position is filled.

EOE/AA

Purdue University is an EOE/AA employer. All individuals, including minorities, woman, individuals with disabilities, and veterans are encouraged to apply.