

Engineering Innovation Instructor Position

Engineering Innovations is a summer course that involves lectures, labs, and hands on projects. The class is taught by a team comprised of an instructor and a teaching fellow.

The ideal candidate will have a PhD in engineering and experience teaching at the college level. Substantial experience in engineering practice and in teaching may also be acceptable. Responsibilities of instructors include but are not limited to:

1. The ability to deliver lectures that focus more on engineering strategy and design than on substantive facts.
2. The ability to deliver and give examples of a broad range of engineering topics: e.g., chemical engineering, digital logic, statics, measurement, ethics.
3. The ability to set up, supervise, and analyze experiments.
4. To be able to relate curriculum to high school students

We are looking for faculty who understand and appreciate the fundamental difference between engineering and science and who understand and appreciate an instructional style that emphasizes the process of problem-solving rather than memorizing material. The object is to engage students by getting them to think and participate rather than being lectured to. Our classes welcome a broad range of students with diverse backgrounds and the instructors must be prepared to accommodate and appreciate a multitude of personalities and learning styles. Finally, the instructor must be able to engage, encourage and excite the students. EI is supposed to be participatory and fun.

Engineering Innovations Instructors receive an academic appointment from Johns Hopkins University's Academic Council and as a result will be subject to prescreening. EI may ask for phone interviews, example lectures, and student feedback from candidates.

Upon completion of the course Instructors at Maryland sites will grade final exams for all 300+ students participating in Engineering Innovation..

Pay Range:

\$6,000 for the course and \$200 per day of training. Reasonable travel expenses to training will be reimbursed. Extra compensation will also be given to Maryland instructors for grading of exams.

Contact

Please send your resume to The Johns Hopkins Whiting School of Engineering, Engineering Innovation, 3400 N. Charles Street, Maryland Hall Room 221, Baltimore, MD 21218, Attention: Lindsay Carroll or email engineering-innovation@jhu.edu. Please call Michael Karweit at 410-516-8415 with questions.