



Post Doctoral Teaching Fellowship in Engineering Education – International Teaching Experience

We are seeking one post doctoral teaching fellow for a collaboration between the University of Michigan (U-M) Department of Biomedical Engineering and Shantou University (Shantou, Guangdong Province, China). This “train the trainer” engineering education collaboration will lead to the development of the next generation, experiential biomedical engineering curriculum to meet 21st century challenges.

The primary responsibilities include learning how to develop and teach experiential undergraduate courses through active participation in U-M Center for Research in Learning and Teaching (CRLT) programming and the U-M BME Instructional Incubator. Fellows are mentored by U-M instructors on the University of Michigan-Ann Arbor campus and then travel to Shantou University, where they participate in the development and launch of similar courses for the new Shantou University Biomedical Engineering Program. The goal of this collaboration is to introduce innovative, evidence-based pedagogical practices into the Shantou classroom.

Fellows are responsible for contributing to the development of course materials and developing assessment materials, holding office hours, grading, managing and class projects. Courses will focus on biomedical applications of electrical engineering and imaging principles. Teaching will be in English and Mandarin.

Fellows also contribute to designing education research studies that evaluate the evolution of the introduction of experiential instruction in the Shantou curriculum, collecting and analyzing data, and drafting manuscripts for peer-reviewed publication. Fellows participate in collaborative meetings between instructors at U-M and Shantou University.

The project leadership includes U-M Professors Aileen Huang-Saad and Jan Stegemann. Fellows are located at University of Michigan and Shantou University, shadowing U-M instructors in the classroom and launching U-M-based curriculum at Shantou University. Successful fellows will have an opportunity to transition into a tenure track position at Shantou University.

Required: PhD degree in engineering from an accredited institution, related to biomedical engineering (with a focus on electrical engineering and/or imaging), or equivalent college teaching experience in biomedical engineering. A demonstrated ability to work/collaborate with others and work independently and desire to teach in higher education.

Desired: Demonstrated experience with college level instruction and/or engineering design as evidenced by evaluations; strong oral and written communication skills. Teaching will be in English and Mandarin.

Applicants should submit letter of interest, vita, teaching statement, teaching evaluations, and list of three references to aileenhs@umich.edu. Applicants are encouraged, but not required, to submit some type of media that demonstrates their teaching (e.g. link to video of the applicant teaching or an example of an instructional intervention designed by the applicant). Review of applications will begin on February 1, 2019 and continue until the position is filled. The start date is negotiable between June and September 2019.

Background Screening: The University of Michigan conducts background checks on all job candidates upon acceptance of a contingent offer and may use a third party administrator to conduct background checks. Background checks will be performed in compliance with the Fair Credit Reporting Act.

U-M EEO/AA Statement: The University of Michigan is an equal opportunity/affirmative action employer.