

Dear BED members,

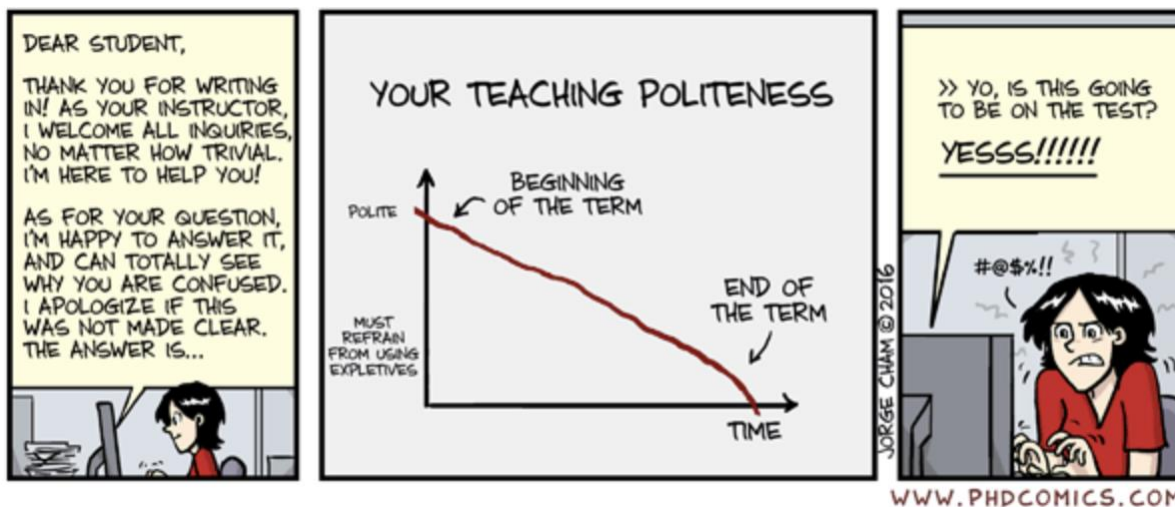
Many of you have already started the semester and while I know COVID-19 has put many challenges in front of us, I hope you are finding a way to enjoy the excitement of welcoming students back into your classroom - be it in person or virtual. At the end of the day, it's the ability to work with the students that keeps me in higher education.

This week, I wanted to remind our community that we are soliciting content for the newsletter (general announcements, positions, educational resources, etc) -- please feel free to share any news that you would like to amplify with the community. In particular, as we come into the next year's hiring cycle again, please feel free to pass along those postings (**2-3 paragraphs** in length with relevant links). This newsletter reaches over 440 ASEE BED members around the world.

Wishing you all the best of luck in your first few weeks of the semester.

Be well and in good health!

Aileen Huang-Saad, BED Division Chair  
The Roux Institute, Northeastern University



title: "Your Teaching Politeness" - originally published 4/13/2016

### BED Announcements for 09/1/21

*General Announcements (e.g. upcoming Webinars, upcoming seminars, upcoming grants, publication opportunities, etc.)*

1. **CALL FOR MEMBERSHIP:** ASEE BED
2. **CALL FOR ABSTRACTS:** Orthopaedic Research Society (ORS) 22 Annual Meeting - Education and Outreach
3. **CALL FOR PARTICIPATION:** Inaugural BEEC (Biomedical Engineering Educator Community) Share and Learn
4. **CALL FOR NEWSLETTER CONTENT:** ASEE BED Bi-monthly Newsletter

*BME Education Resources for Your Students*

1. **STUDENT DESIGN FUNDING:** e-team grant program, VentureWell

*Position Announcements*

1. **POSITION ANNOUNCEMENT:** Bioinstrumentation Adjunct Instructor, West Chester University (West Chester, PA)
2. **POSITION ANNOUNCEMENT:** Multiple tenure-track/tenured faculty positions or as Professor of Practice at all levels (Assistant, Associate or Full Professor) in Innovation and Entrepreneurship, University of Miami

*Engineering Education Research Resources*

1. **DIVING INTO ENGINEERING ED RESEARCH:** Borrego M, Douglas EP, Amelink CT. Quantitative , Qualitative , and Mixed Research Methods in Engineering Education. J Eng. 2009;(January):53–66.

*General Announcements*

1. **CALL FOR MEMBERSHIP:** ASEE BED

This year, we are looking to expand our membership - students, faculty, and industry partners. There's no better time than now to consider joining the [ASEE Biomedical Engineering Division](#). You will get access to these fabulous bimonthly newsletters and join this growing community as we seek to grow the strength and impact of biomedical engineering education, along all dimensions from practice to research. Consider supporting ASEE BED with your [membership](#). Membership is only \$89/year for ASEE professional online and \$5 for BED membership. Student membership (online) is only \$10 and \$5 for BED membership. We also have discounted membership for retirees (\$40). **CALL FOR PARTICIPATION:** mini BEEC 2021

**Time: August 17th 2 - 4PM EST**

2. **CALL FOR ABSTRACTS:** Orthopaedic Research Society (ORS) 22 Annual Meeting - Education and Outreach

We are excited to announce the launch of a NEW topic on "Education and Outreach" for the Orthopaedic Research Society (ORS) 2022 Annual Meeting, including sub-topics on Basic Science, Clinical, Engineering, and K-12 education. Abstracts are due Monday, August 30th (submission link below).

All submissions are welcome, including abstracts on pivoting to online teaching, outreach activities pre- and post-pandemic, active and measurable DEI initiatives, clinical pedagogy, "steal this course", teaching tips, etc. The goal is to share tools and resources involving education and outreach with the ORS community. The new track will also include a focused workshop at the annual conference in Tampa on course design and learning objectives. We are also seeking ORS member volunteers to serve as abstract reviewers for this new track. If you have something specific you want to see or want to get involved, get in touch! For more information, please contact Sonia Bansal ([bansals@hss.edu](mailto:bansals@hss.edu)) or Katie Reuther ([kreuther@upenn.edu](mailto:kreuther@upenn.edu)). To submit an abstract, visit this website.

3. **CALL FOR PARTICIPATION:** Inaugural BEEC (Biomedical Engineering Educator Community) Share and Learn

**What:** Brown bag collaborations, brainstorming, and share ideas with the community!  
**September's Lead:** Nicole Ramo, PhD, West Chester University  
**Prompt:** "Looking for Collaborators for Large-Scale Study of Student Perceptions of BME"  
**When:** September 15th, 12pm-1pm EST  
**Where:** Zoom  
Register Here: (<https://osu.zoom.us/meeting/register/tJYocuytqDwtG9QIVbkYBbjv5NJL-NzbnQEn>)

As a follow-up to lively discussions at the ASEE annual meeting, you are invited to attend this informal virtual event focused on methods to better understand current BME undergraduates. Attendees will be asked to share any current or planned efforts for collecting information on students' motivation, expectations, perceptions, and career plans/goals. The goal of this Share & Learn session is to encourage inter-institutional collaboration to enable longitudinal research which may have important recruitment, retention, and student support implications for BME programs.

Interested in leading one of these discussions? Fill out the interest survey: [https://bit.ly/BEEC\\_SL](https://bit.ly/BEEC_SL)

## 5. **CALL FOR NEWSLETTER CONTENT:** ASEE BED Bi-monthly Newsletter

As of 2021, the ASEE BED has started to share a bi-monthly newsletter with the community. We share general resources, BME Education Resources for Students and Faculty, Upcoming Positions, Engineering Education Research Resources. Information will be shared in consecutive emails. If you have information to share with the community, please send your announcement to the BED listserv, as a 2-3 paragraph description including any relevant URLs and contact info as well as a subject line. Do not include any attachments. Be sure that the announcement includes the person to contact with questions. Email all of this information to Aileen Huang-Saad at [a.huang-saad@northeastern.edu](mailto:a.huang-saad@northeastern.edu) with [BED Announcement] in the subject line to facilitate email sorting. Announcements will be sent out on the 1st and 15th of each month. Each set of announcements will be included in the announcements email twice. Announcements will also be recorded on the BED website (<https://sites.asee.org/bed/>) and HUB (<https://aseehub.asee.org/groups/home/34#active-group-members>).

### *BME Education Resources for Your Students*

#### 1. **STUDENT DESIGN FUNDING:** e-team grant program, VentureWell

The VentureWell E-Team Program supports dedicated science- and engineering-based student teams from across the nation in bringing their high-impact innovation out of the lab and into the market. Every year, they award over \$700,000 in non-dilutive E-Team grants to these early-stage student science and tech startups who are on the path to launching innovations with a social, health, or environmental impact. In the past two decades, VentureWell has provided over \$8M in grants to more than 550 entrepreneurial teams. Our 180+ alumni ventures have received over \$122M in follow-on funding since taking part in the E-Team program.

In addition to funding, we offer a robust [Early-Stage Innovator Training Program](#) designed to thoroughly prepare our teams to discover possible pathways for their venture as they explore topics like business model development, customer discovery, and intellectual property.

The E-Team Program supports student ventures as they embark down the path they're likely to take as an innovator and entrepreneur. If teams are able to continue with their startup after they

graduate, [ASPIRE](#) and our investor network are available to help teams prepare to launch and scale their company.

### ***Position Announcements***

1. **POSITION ANNOUNCEMENT:** West Chester University (West Chester, PA) is seeking an adjunct instructor for a bioinstrumentation course and/or the related lab for Spring 2022. Ideally, this would be someone in the local Philadelphia area able to teach in person (we can work around schedules), but other arrangements are possible. The catalog descriptions of the course are as follows. Questions can be directed to Nicole Ramo at [nramo@wcupa.edu](mailto:nramo@wcupa.edu).

**BME 355. Biomedical Instrumentation.** Lecture, 3 Credits. This course is to study the fundamentals of instrumentation in biomedical fields. Topics include various types of medical instruments, basic analog and digital electronics, data acquisition, signal processing, and applications of instrumentation in diagnoses and medical imaging. Regulation and medical safety will be discussed. Suggested Textbook(s): S. Chatterjee, A. Miller, Biomedical Instrumentation Systems, Cengage Learning, 2010

**BME 325. Biomedical Engineering Lab II.** Lecture, 1 Credit. Lab, 3 Credits. Students will perform a series of laboratory experiments (most likely using the BIOPAC Systems equipment). Lab manuals and handbooks will be provided to students.

2. **POSITION ANNOUNCEMENT:** Multiple tenure-track/tenured faculty positions or as Professor of Practice at all levels (Assistant, Associate or Full Professor) in the area of Innovation and Entrepreneurship, University of Miami

The College of Engineering (CoE, <https://www.coe.miami.edu/>) and the Miami Herbert Business School (<https://herbert.miami.edu/>) at the University of Miami invites nominations and applications for multiple tenure-track/tenured faculty positions or as Professor of Practice at all levels (Assistant, Associate or Full Professor) in the area of Innovation and Entrepreneurship. The primary appointment could be in any of the six departments in the College of Engineering, with joint appointments in the Herbert School of Business. Joint appointments with other university departments are also possible. The University of Miami's College of Engineering has embarked on university-wide strategic initiatives related to the University's Roadmap to the Next Century. The search is open to all areas of engineering and business related to innovation and entrepreneurship, with preference given to individuals whose research and teaching complement broad domains of health or energy analytics, artificial intelligence, systems optimization, big data informatics and cybersecurity, and sustainable, resilient, and smart systems. Candidates with special knowledge and experience in the areas of Entrepreneurship, Venture Management, Product Design and Development, Technology Commercialization, Startup Theory, and/or Non-Profit Management are especially sought.

### ***Engineering Education Resources***

1. **DIVING INTO ENGINEERING ED RESEARCH:** [Borrego M, Douglas EP, Amelink CT. Quantitative , Qualitative , and Mixed Research Methods in Engineering Education. J Eng. 2009;\(January\):53–66.](#)

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