


COLLEGE OF ENGINEERING BIOENGINEERING SEMINAR

 **Temple
University**
College of Engineering

**Friday
Feb 10th
12pm**

ENGR 126



Ruth Ochia, PhD

Professor of Instruction

Bioengineering

Temple University

Making the leap into Engineering Education

As educators there are lessons that we learned as students and we took those lessons into our teaching practice. We teach as we were taught. Many of us used the tried-and-true method from entrepreneurship in our classes: "fail early and fail often." Only after many years, do we find an equilibrium in our teaching, i.e. we don't suck and our students don't hate us. Is this the best way? The only way?

For those of you who are new to the field, what is engineering education? Have you heard of it? In this seminar, we will explore what engineering education is and how it is changing for our students. How do you get into this field and what you can you do with it? Do you need to know if you aren't planning to be a faculty member?

Biography: I am a Professor of Instruction at Temple University in the Department of Bioengineering. My primary area of expertise involves the biomechanics of human injury, with special emphasis on the areas of spine trauma and degeneration, and occupant kinematics in automobile collisions. In addition, I have also performed research in degenerative disc disease and low back pain. My current interests are in engineering education and curricular assessment with specific focus on innovation and entrepreneurship in engineering design teams, as well as student engagement and motivation at the undergraduate level. This new area of focus has enabled me to obtain a couple of funded engineering education grants, several publications, and conference presentations. For my department, I am the undergraduate and assessment coordinator, as well as performing many other service activities for my department, college, and university, in addition to my teaching duties. Outside of my work at Temple, I paint, quilt, sew, knit, sail, and am an assistant coach of a local fencing team.



Please contact Dr. Evangelia Bellas (evangelia.bellas@temple.edu) or Dr. Karin Wang (karin.wang@temple.edu) for more information.

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