

TO: The Engineering Faculty

FROM: The Faculty of the Weldon School of Biomedical Engineering

RE: Adding online delivery section to an existing course BME 25600:
Physiological Modeling in Human Health

The Faculty of the School of Biomedical Engineering has approved the following change to BME 25600. This action is now submitted to the Engineering Faculty with a recommendation for Fast Track approval.

Requested Change for BME 25600: Physiological Modeling In Human Health

FROM:

BME 25600: Physiological Modeling In Human Health
Term Offered: Spring, Cr. 3
Pre-requisites: MA 16600 or MA 16200
Concurrent prerequisites: CS 15900 or CS 17600 or CS 18000 or ENGR 14200
Major Restriction: Biomedical Engineering only

TO:

BME 25600: Physiological Modeling In Human Health
Term Offered: Spring, Cr. 3
Adding asynchronous online delivery for just one of the two sections of this course.
Pre-requisites: MA 16600 or MA 16200
Concurrent prerequisites: CS 15900 or CS 17600 or CS 18000_or ENGR 14200
Major Restriction: Biomedical Engineering only

RATIONALE:

The growth of the BME program requires the offering of two course sections. One instructor, Babbs, is part-time at Purdue, while the other, Hiles, is full-time at Cook Biotech which necessitates asynchronous instruction. From years 2012 to 2020 this course was taught in an in-person; however, all lectures were recorded with Boilercast then being available 24/7. All exams including section and final exams have been 100% online since 2016. In the year 2021 we had two sections, one in-person and one asynchronous online. In the spring semesters of years 2022 and 2023 we had two in-person sections to accommodate an expanded class size, but over half the students did not attend lecture in person, instead choosing to watch lectures and take the exams all online. Given that teaching both sections in person is not sustainable

for the teaching staff, and based on student attendance preferences we will revert to the paradigm used in 2021. We are requesting permission to teach just one section in-person and the second section asynchronous online only. Students will be given the option of which section they want to register for.

Nan Kong
Professor and Interim Head
Weldon School of Biomedical Engineering

Link to Curriculog entry: