



BME Fall 2020 Course Delivery

In this incoming 2020 Fall semester, The Institute of Biomedical Engineering (BME) will be guaranteeing remote delivery for all our undergraduate courses. Some instructors may choose to host in-person demos or lab sessions but this will not be a requirement should students not be able to physically come to campus.

Below we have summarized what our BME instructors have indicated that they will be doing for their course and lab deliveries this Fall semester.

Course Delivery

A small number of instructors have opted to deliver their lecture synchronously. A majority of instructors have chosen to pre-record their lecture and post it. For those who are pre-recording their lectures, they will also likely host live Q&As for their students during the synchronous lecture times.

Practical Delivery

Most instructors have opted to have their TAs pre-record their labs. Some have indicated that they will use their synchronous practical time slot(s) to host live Q&As. A smaller number of instructors may use virtual lab programs.



Course Code	Lecture Delivery Details
BME344	Synchronous delivery
BME350	Lectures will be recorded during synchronous timetabled slot and posted after. Tutorial slots will be synchronous.
BME395	Lectures will be recorded and posted on Quercus before lecture time. Lecture recordings will remain online for two weeks each. The synchronous lecture slot will be used as a live Q&A session (also recorded and posted on Quercus). Tutorials (run by TAs) will be paper discussions to prepare students for final exam questions, as well as discussion time to work on a final paper assignment.
BME428	Lectures will be recorded & Tutorials will be synchronous and used for Q&As
BME440	Primarily via asynchronous recorded lectures. May use synchronous lecture slots for live Q&A unless there are conflicts
BME445	Lectures (including a live Q&A) will be recorded during synchronous lecture slots and will be posted with the lecture slides on Quercus.
BME455	Lectures will be recorded during the synchronous time slot. The lectures will then be posted for asynchronous viewing for a short period of time (prior to next lecture). The synchronous time slots will be used for "paper review" sessions. Note: Generally, the paper review is followed up with an informal quiz; however, this is being not sure how I will do this to allow asynchronous completion of the quiz.
BME460	Synchronous lecture and tutorial on Zoom
BME489; BME498; BME205	Asynchronous modules and synchronous discussion
BME595	Lectures recorded and posted online in advance of scheduled lecture hours. A synchronous Q&A one hour per week.



Course Code	Practical Delivery Details
BME350	Asynchronous practical sessions with the exception of the EMG lab. Labs will include video recordings, virtual simulations, and data analysis of selected organ systems.
BME395	Lab protocols will be posted on Quercus before the lab. TAs conduct and film the labs to post on Quercus. The TAs will develop quizzes based on the lab protocols and recordings that will be distributed to be answered during the 24-hours following each lab session.
BME440	TA recordings or online modules
BME445	<p>The first two experimental practicals will be delivered and recorded in the Design Studio by the TAs + Gary (should be done in the summer); The TAs will also do a live Q&A during the synchronous sessions.</p> <p>For the remaining three computer-based experiments, they will be done using online modules which will be posted. The TAs will have a "live" Q&A and there is no need for recording them.</p>
BME455	There are 4 labs in all; two of them, the instructor is looking into using labster (virtual labs). For the other two, he would like to have his TA recorded doing the lab. Since there is a small class size, he would like to consider optional attendance by students to watch the TA do the lab, socially distanced, in-person.
BME489; BME498; BME205	Live demos if possible; bookable times to visit design studio
BME595	Some labs will be entirely computational; for these, the students can work on them and seek advice from TAs during synchronous lab sessions. There is one lab involving animal imaging that will need to be pre-recorded; students will watch the video demonstration and answer lab questions for submission.