

Year 1 Experience of a Course Redesign

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Test

Q: Does the course change attitudes towards biomedical engineering?

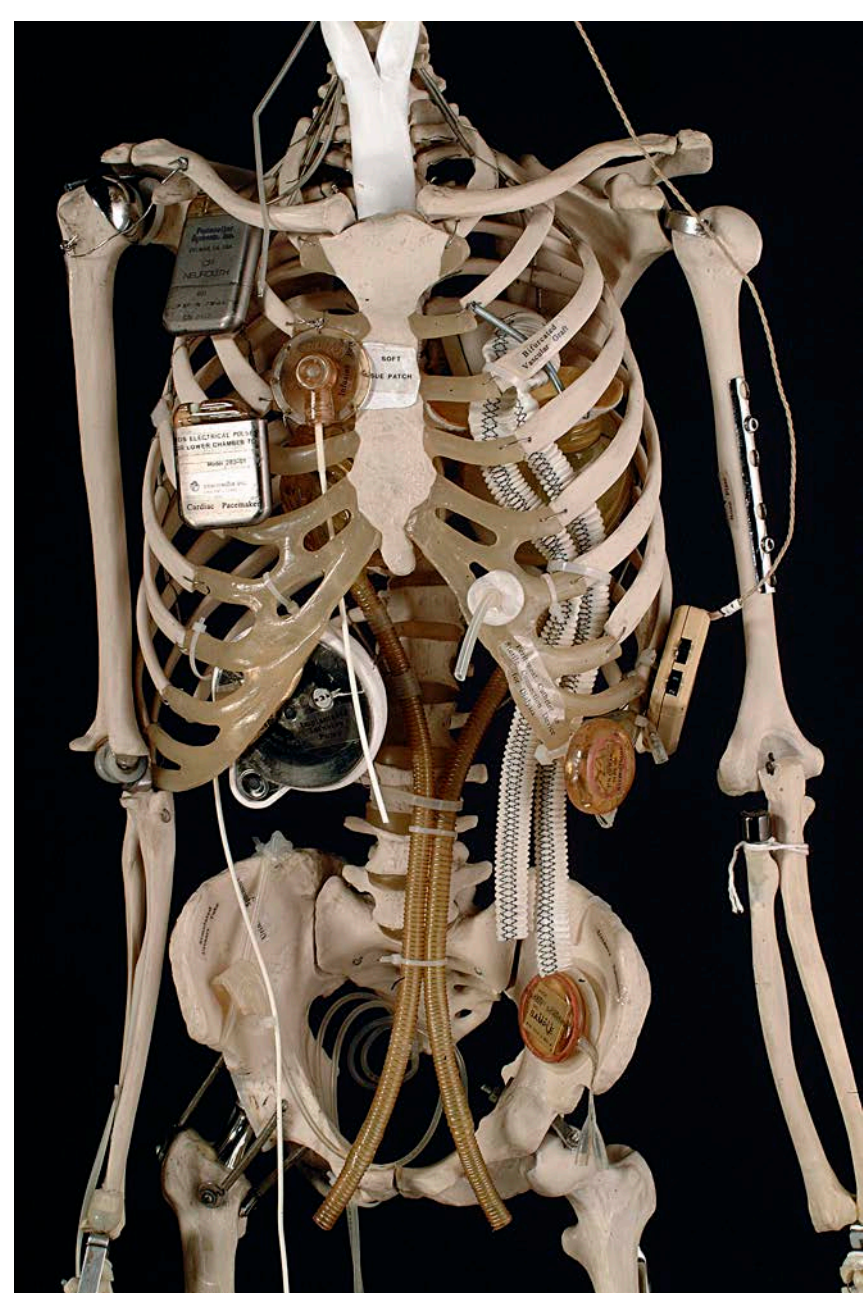
A: Adapted the Biology Attitude Scale¹ by changing the word “biology” to “biomedical engineering”

Preliminary Results: 180 invited to survey. 53 and 24 responses to pre- and post-survey, respectively. 10 individuals completed both.

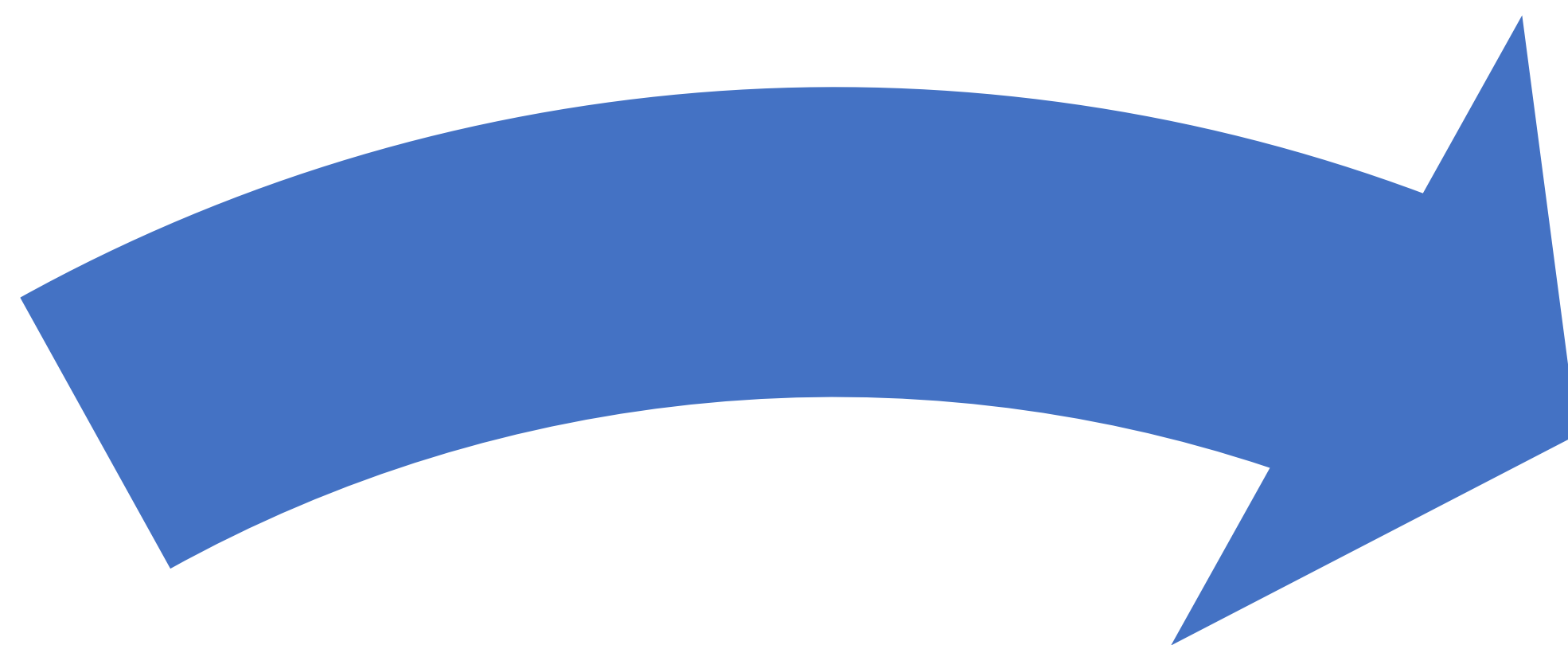
Q: Does this course increase the number of students engaging with biomedical engineering activities?

A: Track the number of students who select the Biomedical Systems Engineering Major

Anatomy, Physiology, & Medical Devices



Yorick, The Bionic Skeleton²



Think

What do I want students to learn?

Learning outcomes



Student requirements

How can I describe the characteristics of the course in measurable terms?

Constructivist & constructionist theories



Course specifications

Will Active Learning Encourage more Students to Choose Biomedical Engineering?



Build

Content **Structure** Style



Myhal Centre: Lee and Margaret Lau Auditorium

