

BIEN 570. ACTIVE MECHANICS IN BIOLOGY.

Credits: 3

Offered by: Bioengineering (Faculty of Engineering)

Terms offered: Fall 2025

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Description

Introduction to the role of active forces, e.g. cell and tissue contraction, in the mechanics of biological systems. Review of passive and actively driven viscoelastic systems and momentum transport underlying the material properties of biology. The course involves a literature survey and a team project application.

- Prerequisite(s): Permission of instructor.
- 1. (3-2-4)

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