

BIEN 595. ADVANCED BIOMOLECULAR SYSTEMS MODELLING.

Credits: 3

Offered by: Bioengineering (Faculty of Engineering)

Terms offered: Fall 2025

[View offerings for Fall 2025 in Visual Schedule Builder.](#)

Description

Advanced methods for modelling complex biomolecular systems, with a focus on state-of-the-art, data-driven and integrative methods for modelling protein structures and networks. Modelling of protein structures: protein structure prediction, modelling protein dynamics, use of evolutionary information. Modelling of protein networks: reconstruction, analysis, evolution. Combined protein structure and network modelling.

- 3-0-6
- Prerequisites: BIEN 410 and COMP 208, or permission of the instructor

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