

# BMDE 502. BME MODELLING AND IDENTIFICATION.

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Credits: 3

Offered by: Biomedical Engineering (Faculty of Engineering)

Terms offered: Winter 2026

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## Description

Methodologies in systems or distributed multidimensional processes. System themes include parametric vs. non-parametric system representations; linear/non-linear; noise, transients and time variation; mapping from continuous to discrete models; and relevant identification approaches in continuous and discrete time formulations.

- Prerequisites: Undergraduate basic statistics and: either BMDE 519, or Signals and Systems (e.g., ECSE 303 & ECSE 304) or equivalent
- This course in the Faculty of Engineering is open only to McGill students.
- (3-0-6)
- Prerequisites: Undergraduate basic statistics and: either BMDE 519, or Signals and Systems (e.g., ECSE 303 & ECSE 304) or equivalent

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