# EPIB 637. ADVANCED MODELING: SURVIVAL AND OTHER MULTIVARIABLE DATA.

Credits: 3

Offered by: Epidemiology and Biostatistics (Graduate Studies)

Terms offered: Winter 2026

View offerings for Winter 2026 in Visual Schedule Builder.

## Description

Advanced applied biostatistics course dealing with flexible modeling of non-linear effects of continuous covariates in multivariable analyses, and survival data, including e.g. time-varying covariates and time-dependent or cumulative effects. Focus on the concepts, limitations and advantages of specific methods, and interpretation of their results. Students will get hands-on experience in the implementation of selected methods by applying them to their own multivariable data, in individual survival analysis projects.

- Prerequisite: EPIB 601 or EPIB 606 or equivalent
- Prerequisite(s): EPIB 621, or equivalent, or permission of the instructor.

Most students use Visual Schedule Builder (VSB) to organize their schedules. VSB helps you plan class schedules, travel time, and more.

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