MECH 642. ADVANCED DYNAMICS.

Credits: 4

Offered by: Mechanical Engineering (Graduate Studies)

Terms offered: Winter 2026

View offerings for Winter 2026 in Visual Schedule Builder.

Description

Variational methods. Hamilton's principle and equations of motion of engineering systems. Lagrangian formulations for discrete systems. Methods of discretizing continuous systems. Rigid body dynamics. Dynamic behaviour of linear and nonlinear systems. Response of engineering systems to deterministic inputs by classical methods. Stability of linear and nonlinear systems.

• Evening course

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

Launch Visual Schedule Builder