MECH 579. MULTIDISCIPLINARY DESIGN OPTIMIZATION.

Credits: 3

Offered by: Mechanical Engineering (Faculty of Engineering)

Terms offered: Fall 2025

View offerings for Fall 2025 in Visual Schedule Builder.

Description

A comprehensive introduction to important algorithms in sensitivity analysis and multidisciplinary design optimization of large systems. Topics include: unconstrained and constrained optimization, sensitivity analysis, gradient-free optimization, multi-objective optimization, and various multidisciplinary algorithms and approaches for design optimization.

- (3-0-6)
- Prerequisite(s): MECH 309

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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