

Course Number

MER-302-01

Course Description

Introduction to theory and application of computational (and experimental) methods used to optimize performance of engineering systems. These methodologies will be discussed in the context of practical applications ranging from structural shape optimization and robotics to material selection and design for assembly. Special emphasis will be given to translating the design into mathematical terms addressable by these general methods.

Academic Term

22/FA

Instructor

Keat, William

Location & Meeting Time

Integrated Science & Engineering Complex-220 T/TH 09:00AM-10:45AM LEC

Petition

Y

Credits

1.00

Capacity

24

Total Students

24

Academic Department

Mechanical Engineering

Field Of Study

Mechanical Engineering (MER)