

# Applied Solid Mechanics

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Course Code:

ME 449

Course Type:

Area Elective

Credits:

3

Theoric:

3

Practice:

0

Laboratory Hour:

0

ECTS:

5

Prerequisite Courses:

Strength of Materials [1]

Course Language:

English

Course Content:

Introduction to the theory of elasticity: stress, strain, constitutive equations. Topics from advanced strength of materials: bending of unsymmetrical cross-sections, curved beams, shear center, thick-walled cylinder. Application to engineering problems.