

Course Number: 28572
Course Name: Fracture Mechanics

Course Type:
Prerequisite:
Level: Graduate
Group: Applied Mechanics

Type & Max Unit: 3
Corequisite:
First Presentation:
Last Edition:

Objectives:

Topics:

- Introduction , Types of failure
- Brittle Fracture
- Linear Elastic Fracture Mechanics
- Crack Tip Plasticity
- Fatigue Crack Propagation
- Elastic-Plastic Fracture Mechanics
- Experimental Aspects of Fracture Mechanics
- Computational Fracture Mechanics
- Fracture Mechanics and Structural Integrity

References:

Fracture Mechanics, T.L. Anderson, CRC Press

مکانیک شکست، غلامحسین فرهی، چاپ دوم، انتشارات دانشگاه بوعلی سینا