

# COURSE DETAIL

## MECHANICS OF STRUCTURES 2A

**Country**

United Kingdom - Scotland

**Host Institution**

University of Glasgow

**Program(s)**

Scottish Universities, University of Glasgow

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Mechanical Engineering

**UCEAP Course Number**

106

**UCEAP Course Suffix****UCEAP Official Title**

MECHANICS OF STRUCTURES 2A

**UCEAP Transcript Title**

MECHANICS OF STRUCT

**UCEAP Quarter Units**

4.00

**UCEAP Semester Units**

2.70

**Course Description**

This course provides students with the ability to apply the principles of engineering mechanics to determine elastic behavior of members and components subjected to bending moment, shear force, axial force, and torque, including elastic deflections of beams (statically determinate and statically indeterminate) and torsion of circular and thin-walled sections. Behavior of beams is also extended to simple cases of plastic-bending behavior.

**Language(s) of Instruction**

English

**Host Institution Course Number**

ENG2081

**Host Institution Course Title**

MECHANICS OF STRUCTURES 2A

**Host Institution Campus**

University of Glasgow

**Host Institution Faculty****Host Institution Degree****Host Institution Department**

Engineering

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