

COURSE DETAIL

TISSUE BIOMECHANICS

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Bioengineering

UCEAP Course Number

163

UCEAP Course Suffix**UCEAP Official Title**

TISSUE BIOMECHANICS

UCEAP Transcript Title

TISSUE BIOMECHANICS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

The course covers the biomechanics and mechanobiology of skeletal tissues (bone, articular cartilage, tendons, and ligaments); the pathomechanics of injury, adaption, and degenerative changes with aging; how biomaterials can be used in loaded regions of the body; and an insight into current biomechanical research of skeletal tissues.

Language(s) of Instruction

English

Host Institution Course Number

BMEN10

Host Institution Course Title

TISSUE BIOMECHANICS

Host Institution Campus

Engineering

Host Institution Faculty

Host Institution Degree

Host Institution Department

Engineering - Biomedical Engineering

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