

COURSE DETAIL

RHEOLOGY AND TEXTURAL PROPERTIES OF BIOMATERIALS

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Graduate

UCEAP Subject Area(s)

Physics Bioengineering

UCEAP Course Number

203

UCEAP Course Suffix**UCEAP Official Title**

RHEOLOGY AND TEXTURAL PROPERTIES OF BIOMATERIALS

UCEAP Transcript Title

RHEOLOGY&BIOMATERL

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

The course provides a study of the major principles and types of rheology and how these can be applied to give the required structure, texture, and viscosity in processed biomaterials. Major topics include viscosity of Newtonian and non-Newtonian fluids, viscoelastic properties of weak and strong gels, transient responses of a wide range of food and pharmaceutical products, and theoretical/empirical modelling of mechanical properties.

Language(s) of Instruction

English

Host Institution Course Number

FST5201

Host Institution Course Title

RHEOLOGY AND TEXTURAL PROPERTIES OF BIOMATERIALS

Host Institution Course Details

<https://luminus.nus.edu.sg/module-search/184cdd58-00e6-44c3-9b89-90ca408627c1/m...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Food Science and Technology

Course Last Reviewed

2021-2022

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