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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