



國立清華大學
NATIONAL TSING HUA UNIVERSITY

2020 NTHU Global Summer School

生物、醫學和環境中的可降解高分子

Biodegradable Polymers in Biology, Medicine, and Environment

Lecturer: Jane Wang(王潔)

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Course time: 9am-12pm on Mondays, Tuesdays, and Wednesdays of July 20th -22nd and 27th-29th
July, 2020. Total six days.

Classroom: to be announced

Contact hours: 18 hours

Language: English

Credit Points: 1

Course description:

Biodegradable polymers are everywhere in life, some are natural and others synthetic. In this course, the basic concepts of biodegradable polymers will be introduced from a Chemistry perspective. Various types of biodegradable polymers found in biological and environmental systems will be introduced, as well as their applications in medicine and day-to-day lives.

Textbook:

1. Biochemistry
2. Polymer synthesis
3. Lecture notes

Student Learning Objectives & Schedule:

The course aims to give students an introduction to the field of biodegradable polymer and their interdisciplinary applications.