



# 國立清華大學

NATIONAL TSING HUA UNIVERSITY

## 2021 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 19th -21st and 26th-28th  
July, 2021. 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.