

PoND CREATE Module

Polymer Synthesis for Drug Delivery

Course Description

This course is open to students in the PoND program.

This module will describe the methods to synthesize polymers that can be designed in drug delivery. Not only conventional polymerization methods including step-growth and chain-growth polymerization including living anionic and cationic polymerization, but also modern controlled/living radical polymerization and ring-opening metathesis polymerization (ROMP) will be covered. Furthermore, the synthesis and self-assembly of amphiphilic block copolymers for drug delivery applications will be discussed. Lectures only.

Instructor:

John.oh@concordia.ca

Lectures:

10:30 - 12:00 am PDT (1:30-3:00 pm ET) on

Tue, Jun 1	Tue, Jun 8
Tue, Jun 15	Tue, Jun 22
Tue, Jun 29	Tue, Jul 6

Evaluation:

20% - Participation in class discussions

80% - Individual report describe a topic of choice by the students, which is related to design and (max 1/2 page), including max three figures. References

l page(s).

ace (1 inch margin for four sides, 12 font size/Times New Roman)

Jul 2: A brief outline including the title, a short description, and major references in a less than a half page will be sent to wfOh 570 Td()Tj[r]-4pt t