

Phar 437: 3D Printing for Precision Medicine

Pharmaceutics & Drug Delivery

The course introduces the possibilities and opportunities that 3D printing offers researchers and innovators within pharmaceutical dosage forms. The course will have lectures on introduction to 3D printing, classification and types of 3D printing technologies, fused deposition modeling 3D printing, characterization of 3D-printed pharmaceutical dosage forms, and applications of 3D printing in the pharmaceutical sciences. Students will also have laboratory exposure to 3D modeling and practical FDM 3D printing of tablets.

2 Credits

Prerequisites

- Pre-Requisite: 24 Earned Hours

Instruction Type(s)

- Lecture: Lecture for Phar 437

Subject Areas

- [Pharmacy \(PharmD - USA - PharmD, BS/BPharm - Canada\)](#)

Related Areas

- [Clinical and Industrial Drug Development \(MS, PhD\)](#)
- [Industrial and Physical Pharmacy and Cosmetic Sciences \(MS, PhD\)](#)
- [Medicinal and Pharmaceutical Chemistry](#)
- [Natural Products Chemistry and Pharmacognosy \(MS, PhD\)](#)
- [Pharmaceutical Marketing and Management](#)
- [Pharmaceutical Sciences](#)
- [Pharmaceutics and Drug Design \(MS, PhD\)](#)
- [Pharmacoeconomics/Pharmaceutical Economics \(MS, PhD\)](#)
- [Pharmacy Administration and Pharmacy Policy and Regulatory Affairs \(MS, PhD\)](#)
- [Pharmacy, Pharmaceutical Sciences, and Administration, Other](#)

