

## Phar 658: Pharmaceutical Manufacturing

### [Pharmaceutics & Drug Delivery](#)

This course involves practical and theoretical principles involved in the process development, scale-up, and manufacturing of pharmaceutical drug products in a highly regulated industry. Emphasis is placed on optimizing manufacturing processes in accordance with Quality-by-Design principles, and studies required to support post-approval changes for oral and semi-solid dosage forms. Guest lecturers with expertise in pharmaceutical development, manufacturing, and quality control will provide the students with the opportunity to discuss problems relevant to the industry. The course will require students to critically review and present publications in small groups, and to complete other assignments.

3 Credits

### Instruction Type(s)

- Lecture: Lecture for Phar 658

### Subject Areas

- [Pharmaceutical Sciences](#)

### 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](#)
- [Pharmaceutics and Drug Design \(MS, PhD\)](#)
- [Pharmacoeconomics/Pharmaceutical Economics \(MS, PhD\)](#)
- [Pharmacy \(PharmD - USA - PharmD, BS/BPharm - Canada\)](#)
- [Pharmacy Administration and Pharmacy Policy and Regulatory Affairs \(MS, PhD\)](#)
- [Pharmacy, Pharmaceutical Sciences, and Administration, Other](#)

