

## 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.

## Instruction Type(s)

• Lecture: Lecture for Phar 658

## **Subject Areas**

• Pharmaceutical Sciences

## **Related Areas**

- <u>Clinical and Industrial Drug Development (MS, PhD)</u>
- Industrial and Physical Pharmacy and Cosmetic Sciences (MS, PhD)
- Medicinal and Pharmaceutical Chemistry
- <u>Natural Products Chemistry and Pharmacognosy (MS, PhD)</u>
- <u>Pharmaceutical Marketing and Management</u>
- <u>Pharmaceutics and Drug Design (MS, PhD)</u>
- 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

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.

