Schedule of Courses
Graduate Program in Pharmaceutical Sciences

Listed below are the areas of the courses offered by the Graduate Program in Pharmaceutical Sciences. Additional required and elective courses have been arranged through the Departments of Chemistry, Geochemistry, and Mathematics of TTU, and through the Departments of Physiology and Pharmacology of TTUHSC.

Core Curriculum

GPSC 5101 Topics in Pharmaceutical Sciences. (1:1:0) Special topics in pharmaceutical sciences that are not normally included in other classes. May be repeated for credit with change in content.

GPSC 5201 Topics in Pharmaceutical Sciences. (2:2:0) Special topics in pharmaceutical sciences that are not normally included in other classes. May be repeated for credit with change in content.

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GPSC 5301 Topics in Pharmaceutical Sciences. (3:3:0) Special topics in pharmaceutical sciences that are not normally included in other classes. May be repeated for credit with change in content.

GPSC 5307 Pharmaceutical Sciences Research Methods. (3:0:3) A laboratory course designed to provide an overview of current research methods in pharmaceutical sciences under direct guidance of a faculty member.

GPSC 5310 Drug Design and Discovery. (3:3:0) Prerequisite: Principles of Drug Action. Overview of the new methods for quantitative SAR, computer-aided drug design, high throughput screening and combinatorial chemistry.

GPSC 5320 Drug Metabolism. (3:3:0) Analysis of the primary metabolic enzymatic systems that are involved in the clearance of drugs from the body and the mechanisms that regulate their activity.

GPSC 5325 Medicinal Chemistry (3:3:0) A comprehensive study of the chemistry of drug molecules and their interactions, to aid in the understanding of concepts such as drug discovery and design.

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