Prerequisite(s): Admission into the M.S. or Ph.D. in Pharmacy Program.

Factors directly influencing the practice of pharmacy. Roles of the pharmacist as affected by contemporary organizational, legislative, and administrative and policy aspects, network with operational managers and leaders in field, visit managed care sites and observe activities of managed care pharmacists. Course Information: Prerequisite(s): Third year standing in the Doctor of Pharmacy program or second year standing in the Doctor of Pharmacy program with consent of the instructor, or graduate standing in pharmacy.

Managerial functions of the pharmacist in all practice environments with emphasis on the planning, organizing, staffing, directing and controlling of resources.

The course will discuss the concepts, process, and statistical methods required to perform a systematic review or meta-analysis of a large body of empirical findings. Course Information: Extensive computer use required. Taught online. Prerequisite(s): EPID 403 or BSTT 400 or PSOP 502; or graduate or professional standing; or consent of the instructor. Recommended background: Graduate coursework in biostatistics or epidemiology.

Topics will vary, including the on-going analysis of contemporary issues associated with delivery, financing and management of pharmaceutical products and professional services. Course Information: May be repeated to a maximum of 6 hours.

Overview of the research process in the social, behavioral, and economic pharmaceutical sciences from problem identification and conceptualization through data collection, analysis, and interpretation. Course Information: Extensive computer use required. Taught online, in person, or via distance education. Prerequisite(s): Consent of the instructor is required for non-departmental students.

Factors directly influencing the practice of pharmacy. Roles of the pharmacist as affected by contemporary organizational, legislative societal and fiscal environments in the U.S. Course Information: Prerequisite(s): Admission into the M.S. or Ph.D. in Pharmacy Program.
PSOP 580. Advanced Decision Analysis Techniques I. 2 hours.
Exposes students to advanced decision analysis and related sensitivity analysis methodologies. Course Information: Extensive computer use required. Prerequisite(s): PSOP 573 and consent of the instructor. Priority enrollment is provided to graduate students in the Health Science Colleges and the Department of Economics, School of Liberal Arts and Sciences, and those enrolled in the MBA program, College of Business Administration.

PSOP 581. Advanced Decision Analysis Techniques II. 1 hour.
The purpose will be to gain experience using techniques germane to the advanced decision analysis and related sensitivity analysis methodologies taught in PSOP 580. Course Information: Extensive computer use required. Prerequisite(s): PSOP 580 and consent of the instructor. Priority enrollment is provided to graduate students in the Health Science Colleges and the Department of Economics, School of Liberal Arts and Sciences, and those enrolled in the MBA program, College of Business Administration.

PSOP 592. Comparative Effectiveness Research Project. 6 hours.
Supervised literature-based scholarship and/or research in comparative effectiveness research. Selected problems or issues in comparative effectiveness research are investigated under the direction of the faculty advisor. Course Information: Satisfactory/Unsatisfactory grading only. Extensive computer use required. Taught online, in person, or via distance education.

PSOP 594. Special Topics in Pharmacy Systems, Outcomes and Policy. 1-3 hours.
Topics vary. Intensive analysis of contemporary issue(s) associated with delivery and financing of pharmaceutical products and professional services. Course Information: May be repeated to a maximum of 6 hours.

PSOP 595. Departmental Seminar in Pharmacy Systems, Outcomes and Policy. 1 hour.
Presentation by students, faculty and visiting experts. Topics to be arranged. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Extensive computer use required. Taught online, in person, or via distance education. Prerequisite(s): Consent of the instructor. Graduate students in the Pharmacy Systems, Outcomes and Policy degree program must register for PSOP 595 every fall and spring semester.

PSOP 596. Independent Study. 1-4 hours.
Individual research under direction of a member of the faculty. Course Information: May be repeated. Students may register in more than one section per term. Extensive computer use required. Taught online, in person, or via distance education. Prerequisite(s): Consent of the instructor.

PSOP 597. Pharmacy Systems, Outcomes and Policy Project. 6 hours.
Supervised literature-based scholarship and/or research in pharmacy systems, outcomes and policy. Selected problems or issues in social, behavioral, or economic pharmaceutical sciences are investigated under the direction of the faculty advisor. Course Information: Satisfactory/Unsatisfactory grading only. Prerequisite(s): PSOP 502.

PSOP 599. Ph.D. Thesis Research. 0-16 hours.
Independent dissertation research on topic approved by student's graduate committee. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Prerequisite(s): Consent of the committee. Open only to degree candidates.