SPPS 209 Applied Pharmacoeconomics
Introduction to management principles utilized to manage drug therapy for patient populations to produce quality clinical, economic and humanistic outcomes in a cost-effective manner. Course emphasizes application of basic management and decision analysis functions to evaluate the need for and document the effect of pharmaceutical care interventions in a variety of pharmacy practice settings.

SPPS 212A Therapeutics I
First in a three-part series presenting drug therapy management of different diseases. Emphasis is on drug selection, monitoring therapeutic outcomes, integrating laboratory tests/organ function, drug interaction/adverse reaction recognition/management, applied pharmacokinetics and developing analytical and patient care skills. (These Therapeutics courses are not prerequisites to one another.)

SPPS 212B Therapeutics II
Second in a three-part series presenting drug therapy management of different diseases. Emphasis is on drug selection, monitoring therapeutic outcomes, integrating laboratory tests/organ function, drug interaction/adverse reaction recognition/management, applied pharmacokinetics and developing analytical and patient care skills. (These Therapeutics courses are not prerequisites to one another.)

SPPS 212C Therapeutics III
Third in a three-part series presenting drug therapy management of different diseases. Emphasis is on drug selection, monitoring therapeutic outcomes, integrating laboratory tests/organ function, drug interaction/adverse reaction recognition/management, applied pharmacokinetics and developing analytical and patient care skills. (These Therapeutics courses are not prerequisites to one another.)

SPPS 215 Human Disease
This introduction to human disease includes etiology and mechanisms of common disease states and integrates pathology with previous core curriculum. Students will focus on an understanding of disease processes and the dynamics of changes related to drug therapy.

SPPS 218A Contemporary Topics in Pharmacology I
Building on previous courses, this course develops drug focused pharmaceutical chemistry, pharmacology and pharmacogenomics principles. Integration with Therapeutics courses brings together structure-activity-relationships, metabolic pathways, mechanisms of action, excretion, and population genetics to enhance drug selection for simple/complex therapy.

SPPS 218B Contemporary Topics in Pharmacology II
This is a continuation of SPPS 218A. Building on previous courses, this course develops drug focused pharmaceutical chemistry, pharmacology and pharmacogenomics principles. Integration with Therapeutics courses brings together structure-activity-relationships, metabolic pathways, mechanisms of action, excretion, and population genetics to enhance drug selection for simple/complex therapy.
SPPS 218C Contemporary Topics in Pharmacology III
Building on previous courses, the content of this course develops drug focused pharmaceutical chemistry, pharmacology and pharmacogenomics principles for drugs active in the CNS. Integration with therapeutics courses brings together structure-activity-relationships, distribution, metabolic pathways, mechanisms of action, excretion and population genetics to enhance drug selection for simple/complex therapy.

SPPS 219 Pharmacogenomics
This course provides an understanding of the evolving area of human genomics and correlation between an individual’s or subpopulation’s genetic make-up and their response to drugs. The information provides the student the basis for select prescribing and/or targeting drug development to improve drug therapy outcomes and reduce adverse drug responses.

SPPS 245 Basic Neurology
Basic Neurology prepares the students for future encounters with neurologic patients. Human neuroanatomy (brain, spinal cord, peripheral nervous system and associated structures) and neurophysiology are presented with an emphasis on clinically relevant aspects. Sensory, motor, and higher cortical function and dysfunction are discussed. Material is presented in lectures and then reinforced with clinical correlates, one laboratory session, and small group discussions of relevant clinical cases.

SPPS 246A Microbiology & Infectious Diseases I
An integrated consideration of basic microbiology and related medical therapeutics of the important infectious diseases of man.

SPPS 246B Microbiology & Infectious Diseases II
As a continuation of basic Microbiology 246A, this course is an integrated consideration of the microbiology and pathophysiology and related medical therapeutics of the important diseases of man. Topics of parasitic and viral diseases and treatment will be included.