DRUG DEVELOPMENT AND HUMAN TOXICOLOLOGY (DDHT)

DDHT 459 Principles of Drug Discovery Units: 3.00
Advanced study of the early stage components involved in the complex process of drug development including target identification, design and synthesis, structure activity relationships, in vitro and in vivo efficacy determination, biochemical and biological optimization.
NOTE Priority given to students in the LISC Specialization Plan, DDHT Sub-Plan.
Learning Hours: 120 (12 Lecture, 24 Group Learning, 84 Private Study)
Requirements: Prerequisite PHAR 270/3.0 or PHAR 340 or PHAR 370. Recommended PHAR 416. Exclusion PHAR 480.
Offering Faculty: Faculty of Health Sciences

DDHT 460 Principles of Drug Development Units: 3.00
Advanced study of the component parts of the complex process of drug discovery and development and the assessment of human toxicology including drug delivery and formulation, directed toxicology studies, drug disposition, clinical trials, legal issues and regulatory approval.
NOTE Priority given to students in the LISC Specialization Plan, DDHT Sub-Plan.
Learning Hours: 120 (36 Lecture, 84 Private Study)
Requirements: Prerequisite PHAR 270/3.0 or PHAR 340 or PHAR 370. Recommended DDHT 459 and PHAR 416. Exclusion PHAR 480.
Offering Faculty: Faculty of Health Sciences
Course Learning Outcomes:

1. Develop solutions to drug discovery/development problems to discuss either orally or in writing solutions to these problems.
2. Critically analyze the social and economic implications of legislative decisions pertaining to the pharmaceutical industry to argue a particular side of this these decisions.
3. Develop and refine professional interpersonal communication skills.
4. Develop an understanding of the biologic, social, and economic constraints that influence drug development.