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BMED 641.01: Toxicology I - Principles of Toxicology

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Principles of Toxicology (PHAR 641)

Fall 2008

Course Coordinator: Andrij Holian, Ph.D.

Textbook: Casarett & Doull's Toxicology 6th Edition

RM 275 SB

The class will meet 8:00 AM to 9:30 AM Tuesday and Thursday

Exam times will be from 8:00-10:00

- August 26 Chapter 1 History and Scope of Toxicology – Holian
Chapter 2 Principles of Toxicology – Holian
- August 28 Chapter 3 Mechanisms of Toxicity – Holian
- September 2 Chapter 3 Mechanisms of Toxicity – Holian
- September 4 Chapter 3 Mechanisms of Toxicity – Holian
Chapter 5 Absorption, Distribution and Excretion of Toxicants – Holian
- September 9 Chapter 6 Biotransformation of Xenobiotics – Smith
- September 11 Chapter 6 Biotransformation of Xenobiotics – Smith
- September 16 Chapter 6 Cytochrome P450 enzymes) - Holian
- September 18 Chapter 7 Toxicokinetics – Woodahl
- September 23 Chapter 4 Risk Assessment – Schumpert
- September 25 No Class
- September 30 Chapter 33 Occupational Toxicology and Exposure assessment – Ward
- TBA EXAM 1
- October 2 Chapter 8 Chemical Carcinogenesis – Pershouse
- October 7 Chapter 9 Genetic Toxicology – Putnam
- October 9 Chapter 9 Genetic Toxicology – Putnam
- October 14 Chapter 10 Developmental Toxicology – Coffin
- October 16 Chapter 10 Developmental Toxicology – Coffin
- October 21 Chapter 12 Toxic responses of the Immune System - Migliaccio

October 23 Chapter 12 Toxic responses of the Immune System – Migliaccio

October 28 EXAM 2

October 30 6 Chapter 14 Toxic responses of the Kidney - Beall

November 4 Election Day Holiday

November 6 Chapter 14 Toxic responses of the Kidney - Beall

November 11 Veterans' Day Holiday

November 13 Chapter 13 Toxic responses of the Liver – Holian

November 18 Chapter 13 Toxic responses of the Liver – Holian

November 20 Chapter 15 Toxic responses of the Respiratory System – Holian

November 25 Chapter 15 Toxic responses of the Respiratory System – Holian

December 2 Chapter 16 Toxic responses of the CNS – Cardozo-Pelaez

November 4 Chapter 16 Toxic responses of the CNS – Cardozo-Pelaez

December 9 EXAM 3

Grade Each of the three exams will equal 30% of the final grade
10% will come from discussion of literature articles and class participation