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BMED 641.01: Principles of Toxicology

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Principles of Toxicology

Version 7.25.01

Fall 2001

Course Coordinator: Andrij Holian, Ph.D.

Textbook: Casarett & Doull's Toxicology 6th Edition

RM 270 SB

The class will meet 8:10 AM to 9:30 AM Tuesday and Thursday

September 4 Chapter 1 History and Scope of Toxicology – Holian

Chapter 2 Principles of Toxicology – Holian

September 6 Chapter 3 Mechanisms of Toxicity (part 1) – Holian

September 11 Chapter 3 Mechanisms of Toxicity (part 2) – Holian

September 13 Chapter 4 Risk Assessment – Holian

September 18 Chapter 5 Absorption, Distribution and Excretion of Toxicants – Holian

September 20 Chapter 6 Biotransformation of Xenobiotics – Thompson

September 25 “

September 27 Chapter 7 Toxicokinetics – Cochran

October 2 “

October 4 Exam

October 9 Chapter 10 Developmental Toxicology – Coffin

October 11 Chapter 8 Chemical Carcinogenesis – Pershouse

October 16 Chapter 10 Developmental Toxicology (continued) – Coffin

October 18 Chapter 9 Genetic Toxicology – Putnam

October 23 “

October 24 Chapter 13 Toxic responses of the Liver – Eyer

October 30 “

November 1 Chapter 14 Toxic responses of the Kidney - Beall

November 6 “

November 8 Exam

November 13 Chapter 11 Toxic responses of the Blood – Holian

November 15 Chapter 12 Toxic responses of the Immune System - Pfau

November 20 “

November 22 Thanksgiving

November 27 Chapter 15 Toxic responses of the Respiratory System – Holian

November 29 “

December 4 Chapter 16 Toxic responses of the CNS – Bridges

December 6 “

December 11 Chapter 17 Toxic responses of the Heart and Vascular System – Grund

December 13 “

December 18 Final exam