

ENV HLT 140/240 is an interdisciplinary course taught by faculty from the School of Public Health during Spring Quarter; it is open to both undergraduate and graduate students at UCLA and UCSB who are interested in nanotoxicology.

**Course Outline, Spring 2008
Professor Jon Fukuto**

<u>Date</u>	<u>Topic</u>	<u>Casarett and Doull (6th Ed)</u>
4/1	Intro, Chemical/Toxicol. Principles	Chapter 2
4/3	Absorption, Distribution, Excretion	Chapter 5
4/8	Absorption, Distribution, Excretion	Chapter 5
4/10	Toxicokinetic Terms	Chapter 5
4/15	Phase I Metabolism – cytochrome P450, Tox-genetics	Chapter 6
4/17	Phase I Metabolism – Other Phase I Processes	Chapter 6
4/22	Phase II Metabolism	Chapter 6
4/24	Toxicodynamics – Toxicol. Outcomes – Practice Test	
4/29	Midterm	
5/1	Autonomic Nervous System	
5/6	Neurotoxicity	Chapter 16
5/8	Biochemistry and Toxicity of Metals	Chapter 23
5/13	Mercury Toxicity (kinetics)	Chapter 23
5/15	Cadmium Toxicity (adaptive response)	Chapter 23
5/20	Arsenic and Lead Toxicity	Chapter 23
5/22	Dioxygen Chemistry/Toxicity	
5/27	Free Radical Toxicity/Oxidative Stress	
5/29	Thiol Chemistry, Antioxidants	
6/3	Endocrine Disruption	Parts of Chapt. 21
6/5	DNA Chemistry – Practice Test	
6/12	Final Exam (11:30-2:30)	