Winter 2020 Graduate Course: TOX 512

“Target Organ Toxicology”

The class is a mixture of lectures, student-directed readings and discussion from the literature, and student presentations, focusing on: **Mechanisms and Techniques in Molecular and Biochemical Toxicology; Pharmaco- and Toxicokinetics; Bioactivation and Detoxification Pathways; Chemical Carcinogenesis; Adaptive Responses to Environmental Chemicals; and Molecular Mechanisms of Tissue-Specific Chemical Toxicity.**

A very useful course for students interested in the environment and human health. Basic principles of the field of Toxicology, and the impact of chemicals on the mechanisms of environmental disease. **Students outside the Toxicology Program also encouraged to register.** Useful for students in: Toxicology, Biochemistry, Chemistry, Botany, Microbiology, Food Sciences, Pharmacy, Vet Medicine; Public Health; Chemical-Biological-Ecological-Engineering, Fisheries and Wildlife, and Biological and Ecological Engineering.

**TOX 512 (4 credits):** Offered Winter 2020, MTWR 11:00-11:50 am, ALS 3006A

Register for: TOX 512 (CRN 21257- 3 cr.) AND TOX 599 Special Topics: ST/MOL MECH ENVIRON DISEASE (CRN 40043 - 1 cr.)

**New Text for 2020:** “Molecular and Biochemical Toxicology”. Smart and Hodgson, 5th Ed.

For additional information/syllabus, contact the instructor: Dr. Marcus (craig.marcus@oregonstate.edu)