

## **PHL 472 (2 + 0)**

### **TOXICOLOGY**

#### Topics I used to teach:

##### **- Chemical Carcinogens:**

- Definitions
- Mode of action of the chemical carcinogens
- Classes of the chemical carcinogens
- Modifying factors in chemical carcinogenesis
- Detailed effects of selected representative members.

##### **- Teratogenic agents:**

- Teratogenic potential (dose-response)
- Mechanisms of teratogenesis:
  - Mutations
  - Chromosomal aberrations
  - Mitotic interferences
  - Nucleic acid integrity
  - Lack of precursors or substrates
  - Enzyme inhibition
  - Osmolar imbalance

##### **- Chemical and Biological Warfare Agents:**

- Definitions
- Introduction
- Classification
- Mechanisms of Toxicity
- Management.