

Course Syllabus for Toxicology in Public Health (SCBE223)

Credit 3(3-0-6)

Google class code: dnud4gd

Time: Wednesdays 08:30-11.30 o'clock

Place: SC1-157

Coordinator: Pahol Kosiyachinda

Lecturers: Pahol Kosiyachinda (PK), Parinda Thayanukul (PT), and Stefan Rucman (SR)

Students: BE

Week	Date	Topic	Lecturer
1	20 Jan	Basic principles of toxicology	PT
2	27 Jan	Toxicokinetics: Absorption, distribution, excretion, and biotransformation	PT
3	3 Feb	Toxicity testing: Dose response and risk assessment	PT
4	10 Feb	Biomarkers of exposure and susceptibility factors	PT
5	17 Feb	Understanding the fate and cycle of Chemicals	SR
6	24 Feb	Metal toxicology: Hg, Cd, Nanoparticle toxicology	SR
7	3 Mar	Air Pollutants	SR
8	10 Mar	Water Pollutants	SR
	17 Mar	Midterm Examination	
9	24 Mar	Carcinogen and carcinogenesis	PK
10	31 Mar	Hepato and renal toxicology	PK
11	7 Apr	Hematotoxicity	PK
12	21 Apr	Reproductive and developmental toxicology	PK
13	28 Apr	Immunotoxicology	PK
14	5 May	Persistent organic pollutants	PK
15	11-21 May	Final Examination	PK

Score allocation: Midterm (Weeks 1-8 = 40%) + Final (Weeks 9-14 = 30%)

Formative score: Assignment 1 (week 1-4: 10%), Assignment 2 (week 5-8: 10%), Assignment 3 (week 9-14: 10%)