

**Course Syllabus for Toxicology in Public Health (SCBE223) #SC1-153**

Credit 3(3-0-6)

Google class code: rrdsc4

Time: Tuesdays 13:30-16.30 o'clock

Coordinator: Pahol Kosiyachinda

Lecturers: Pahol Kosiyachinda (PK) and Parinda Thayanukul (PT)

Class materials: <https://classroom.google.com/c/NTgwOTM5MjAyNTEz?cjc=rrdsc4>

Week	Date	Topic	Lecturer
1	10 Jan	Basic principles of toxicology	PT
2	17 Jan	Toxicokinetics: Absorption, distribution, excretion, and biotransformation	PT
3	24 Jan	Toxicity testing: Dose response and risk assessment	PT
4	31 Jan	Biomarkers of exposure and susceptibility factors	PT
5	7 Feb	Understanding the fate and cycle of chemicals	PK
6	14 Feb	Metal toxicology	PK
7	21 Feb	Air Pollutants	PK
8	28 Feb	Water Pollutants	PK
9	7 Mar	Midterm Examination	
10	14 Mar	Carcinogen and carcinogenesis	PK
11	21 Mar	Hepato and renal toxicology	PK
12	28 Mar	Hematotoxicity	PK
13	4 Apr	Reproductive and developmental toxicology	PK
14	11 Apr	Immunotoxicology	PK
15	18 Apr	Persistent organic pollutants	PK
16	25 Apr	Project presentation	PK
17	1-12 May	Final Examination	

Score allocation: Midterm (Weeks 1-8 = 40%) + Final (Weeks 10-15 = 30%) + Presentation (10%)

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