

Course Syllabus for Principles of Environmental Health and Toxicology (SCBE326)

Credit: 3(3-0-6)

Google class code: cocen4p6

Time: Fridays 13:30-16:30 o'clock

Place: SC1-159

Coordinator: Pahol Kosiyachinda

Lecturers: Pahol Kosiyachinda (PK)

Class materials: <https://classroom.google.com/c/ODcwODAzODE2OTUz?cjc=cocen4p6>

Week	Date	Topic	Lecturer
1	7 Aug	Basic principles of toxicology	PK
2	14 Aug	Toxicokinetics: Absorption, distribution, excretion, and biotransformation	PK
3	21 Aug	Toxicity testing: Dose response and risk assessment	PK
4	28 Aug	Biomarkers of exposure and susceptibility factors	PK
5	4 Sep	Understanding the fate and cycle of chemicals	PK
6	11 Sep	Metal toxicology	PK
7	18 Sep	Air Pollutants	PK
8	25 Sep	Water Pollutants	PK
9	2 Oct	Midterm Examination Week	
10	9 Oct	Carcinogen and carcinogenesis	PK
11	30 Oct	Hepato and renal toxicology	PK
12	6 Nov	Hematotoxicity	PK
13	13 Nov	Reproductive and developmental toxicology	PK
14	20 Nov	Immunotoxicology	PK
15	25 Nov	Persistent organic pollutants (Make-up: 13:00-16:00)	PK
16	27 Nov	Project presentation	PK
17	4 Dec	Final Examination Week	

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%)