Department of Nutritional Sciences and Toxicology Spring, 2020
University of California at Berkeley

NST 11
Introduction to Toxicology
3 units

General Information

Class Hours: Tuesday and Thursday, 10-11am, via recording

Discussion sections: Section 101 and 102 (Sneha): Mon 4-5pm
Zoom ID: 963-2576-4429
Section 103 and 104 (Rebecca): Wed 11:30-12:30
Zoom ID:875-912-6022
Section 105 and 106 (Szu-Chi): Fri 8-9am
Zoom ID: 607-459-283

Course website: bCourses

Required Text: none

Instructors:

Daniel Nomura, 312G Innovative Genomics Institute Building, 2151 Berkeley Way, Berkeley CA 94720
Email: dnomura@berkeley.edu
Office Hours: Tuesday 3-4pm 312G IGIB (let the front desk person know that you are a student in NST11 and ask to be let up to the third floor)

Sona Kang, 321 Morgan Hall
e-mail: kangs@berkeley.edu
Office Hours: Thursdays 3-4pm

Graduate student instructors:

Rebecca A. Lee
Email: rebeccaalee@berkeley.edu
Office Hours: Tuesday 9-10am Zoom ID: 137-383-211

Sneha Damal Villivalam
Email: snehadv@berkeley.edu
Office Hours: Monday 2:30-3:30pm 124A Morgan Hall
Zoom ID: 968-0082-9584

Szu-Chi Liao
Email: scliao@berkeley.edu
Office Hours: Thursday 11am-12pm Zoom ID: 945-8195-2416

Course Objectives:

1. To become familiar with the fundamental concepts toxicology.

2. To become aware of important toxic hazards in the local environment.

3. To develop knowledge of the impact of toxins in the world.

Examinations and Grading:

Grading Scale:
380-400 is A+
340-379 is A
320-339 is A-
300-319 is B+
260-299 is B
240-259 is B-
220-239 is C+
180-219 is C
160-179 is C-

Points:
Exam 1: 100 pts
Exam 2: 100 pts
Exam 3: 100 pts
Discussion attendance: 45 pts
Guest lecture attendance: 10 pts
Assignment 1: 15 pts
Assignment 2: 15 pts
Assignment 3: 15 pts
We have also decided to give EVERYONE full credit for discussion attendance and guest lecture attendance (everyone will get 45 pts+10pts)

Midterm Exams: **Two quizzes on the following dates: Feb 20th, March 31st**

Final Exam: **April 30th:**

Department of Nutritional Sciences and Toxicology
University of California at Berkeley

NST 11 Spring, 2020
Lecture: T,Th 10-11 am
Room: 245 LKS

Introduction to Toxicology

COURSE OUTLINE

Lecture	Day	Date	Topic
1.	Tues.	Jan. 21	Introduction to toxicology (DN)
2.	Thurs.	Jan. 23	Fundamental concepts of toxicology (DN)
3.	Tues.	Jan. 28	Drug Discovery and Toxicology (DN)
4.	Thurs.	Jan. 30	Drug Discovery and Toxicology (DN)
5.	Tues.	Feb. 4	Research talk: Drug Discovery (DN)
6.	Thurs.	Feb. 6	class cancelled
7.	Tues.	Feb. 11	Mechanisms of toxicity (DN)
8.	Thurs.	Feb. 13	Modern Approaches to toxicology (DN)
9.	Tues.	Feb. 18	review
10.	Thurs.	Feb. 20	**Quiz #1 Bring a black/blue pen**
11.	Tues.	Feb. 25	Neurotoxicology (DN)
12.	Thurs.	Feb. 27	Neurotoxicology (DN)
13.	Tues.	March 3	Guest Lecture—Martyn Smith—Toxicology and Public Health
14.	Thurs.	March 5	Pesticide Toxicology (DN)
15.	Tues.	March 10	Drugs and Addiction (DN)
16.	Thurs.	March 12	Endocrine Disruption (SK)
17.	Tues.	March 17	Endocrine Disruption (SK)
18.	Thurs.	March 19	Obesogens (SK)
19.	March 23-27		**Spring Break**
20.	Tues.	March 31	**Quiz #2**
21.	Thurs.	April 2	Ethanol, nicotine, caffeine (SK)

22. Tues. April 7 Ethanol, nicotine, caffeine (SK)

23. Thurs. April 9 Guest Lecture—Dale Johnson

24. Tues. April 14 Heavy Metals (SK)

25. Thurs. April 16 Heavy Metals (SK)

26. Tues. April 21 Carcinogenesis (SK)

27. Thurs. April 23 Carcinogenesis (SK)

28. Tues. April 28 Review

29. Thurs. April 30 **Final Exam (last 1/3 of class material)**

30. May 4 - 8