

School of pharmacy

Department

Course title: **Toxicology**

Credit (Theory or Practical): **2 Theory**

Prerequisite: -----

Course Lecturers: Dr. Shariatpanahi- Dr. Aghsami -Dr.Abdollahi- Dr. Aghamiri
-Dr. Safaeinejad

Responsible Lecturer: **Dr. Shariatpanahi**

Student responsibilities:

- 1- Seminars and projects: projects/seminars
- 2- Exercises: oral/written exercises
- 3- Comprehensive Written Examination: Quiz

Course Description:

This course is intended to introduce the student to the principles and important considerations of toxicology.

Course objectives:

- Awareness of the general principals of toxicology
- Learn the mechanisms of toxic agents
- Learn about the toxicity tests
- Understanding the toxic effects of various compounds
- Understanding the carcinogenic chemical compounds and natural toxins
- Understanding the classification of toxins

Student Learning Objectives

Understand the basics of toxicology

Awareness of the mechanisms of different toxins

Students are expected to

- Student will be able to: successfully understand the mechanisms of toxicity of different toxins.

- Type of instruction: Powerpoint-Online

Course title:

Lecturer	Subject	Time	Date	No.
Dr. Shariatpanahi	General toxicology (History, definitions, branches)	۱۰-۱۲	21/7/1404	1
Dr. Shariatpanahi	Principles of acute and sub-chronic toxicity assumptions	۱۰-۱۲	28/7/1404	2
Dr. Shariatpanahi	Assessment of risk factors	۱۰-۱۲	5/8/1404	3
Dr. Abdollahi	Advanced Toxicokinetic (1)	۱۰-۱۲	12/8/1404	4
Dr. Abdollahi	Advanced Toxicokinetic (2)	۱۰-۱۲	19/8/1404	5
Dr. Shariatpanahi	Standards, Rules and regulations related to the poisons	۱۰-۱۲	26/8/1404	6
Dr. Abdollahi	Cellular and biochemical mechanisms of toxins	۱۰-۱۲	10/9/1404	7
Dr. Abdollahi	Cellular and biochemical mechanisms of toxins	۱۰-۱۲	17/9/1404	8
Dr. Aghamiri	High risk organs in toxicity (Toxic responses of blood)	۱۰-۱۲	24/9/1404	9

Dr. Aghamiri	High risk organs in toxicity (Toxic responses of respiratory system)	۱۰-۱۲	Extra class	10
Dr. Safaeinejad	High risk organs in toxicity (Toxic responses of the liver)	۱۰-۱۲	1/10/1404	11
Dr. Aghsami	Understanding of chemical and biological warfare agents	۱۰-۱۲	8/10/1404	12
Dr. Aghamiri	Application of models inside and outside the body	۱۰-۱۲	15/10/1404	13
Dr. Safaeinejad	Toxic responses of nervous system	۱۰-۱۲	22/10/1404	14
Dr. Aghsami	Forensic Toxicology	۱۰-۱۲	6/11/1404	15
Dr. Safaeinejad	Carcinogenesis	۱۰-۱۲	13/11/1404	16

References:

1. Casarett & Doull's Toxicology, The Basic Science of Poisons.
2. Comprehensive toxicology
3. General & applied toxicology.
4. A textbook of modern toxicology
5. Encyclopedia of Toxicology

- All classes will be held in Besarati (Eastern 7) street, North Shahrin Boulevard

The absence hours of a student should not exceed 4/17 in theoretical, 2/17 in practical and laboratorial. Otherwise, the score for that course or section will be considered as zero.

Note 1: allowed absences are accepted provided that students bring in documents for that and the related professor approves it. Acting against

absences (either excused or not) will be the decision of the professor and agreement of the college.