

## Course Syllabus typical Format (CSTF)

### First: Course Information

1	College: Pharmacy	2	Department: Pharmacology & toxicology
3	Academic Semester: First semester (Fifth year)	4	Academic year: 1443 H
5	Course Name: Clinical and forensic toxicology	6	Course code and number: PDPT0531
7	Number of credit hours: 2 hours Units (2 theoretical/2 Training)		
8	Course requirement in program: <input checked="" type="checkbox"/> Required (obligatory) <input type="checkbox"/> Optional (Elective)		
9	Course type: <input type="checkbox"/> University Requirement <input checked="" type="checkbox"/> College Requirement <input type="checkbox"/> Departmental Requirement		
10	Pre-requisite (code and number) (if applicable): --		

### Second: Instructor Information

1	Instructor's name: DR. Sawsan Zaitone		
2	Sections of the course that I teach (The whole course)		
3	Office phone number: 3938	4	Mobile number (optional): 0549429548
5	Office location and number:		
6	Office hours:1h		
7	Website: <a href="http://www.ut.edu.sa/web/u58406">www.ut.edu.sa/web/u58406</a>		
8	E-mail: <a href="mailto:szaitone@ut.edu.sa">szaitone@ut.edu.sa</a>		

### Third: Lecture and lab timetables

Section	Days	Time	Place (Building/Room)
Section Male	Lecture: Sunday	10-12 (P.M.)	Building :Faculty of pharmacy Room:01-03-01-14
	Training: Sunday	1-3 (P.M.)	Building :Faculty of pharmacy Room: 01-03-01-14
Section Female	Lecture: Monday	8-10 (A.M.)	Building :Faculty of medicine Hall: 01-25-1-125
	Training: Tuesday	1-3 (P.M.)	Building :Faculty of medicine Hall: 01-25-1-125

#### Fourth: Course description

Course description as found in the University Catalogue in both Arabic and English

Toxicology can be defined as that branch of science that deals with poisons, and a poison can be defined as any substance that causes a harmful effect when administered, either by accident or design, to a living organism. This course is dedicated, particularly to the how and why certain substances cause disruptions in biologic systems that result in toxic effects. The study of toxicology serves society in many ways, not only to protect humans and the environment from the deleterious effects of toxicants but also to facilitate the development of more selective toxicants such as anticancer and other clinical drugs and pesticides.

يمكن تعريف علم السموم على أنه فرع العلوم الذي يتعامل مع السموم، ويمكن تعريف السم بأنه أي مادة تسبب تأثيرا ضارا عندما تدار، عن طريق الصدفة أو التصميم، إلى كائن حي. ويكرس هذا المساق، وخاصة لكيفية ولماذا تسبب بعض المواد اضطرابات في النظم البيولوجية التي تؤدي إلى أثار سامة. وتخدم دراسة علم السموم المجتمع بطرق عديدة، ليس فقط لحماية البشر والبيئة من الأثار الضارة للسميات ولكن أيضا لتسهيل تطوير المزيد من المواد السامة الانتقائية مثل الأدوية المضادة للسرطان وغيرها من الأدوية والمبيدات الحشرية

#### Fifth: General Objectives and Teaching Strategies

General course objectives (designate the sections and goals that are related to the course content)	1) The student will acquire knowledge necessary for basic understanding of medical terminology. 2) To allow students to define and spell medical words correctly
Cognitive Domain: <ul style="list-style-type: none"> <li>▪ Researchable</li> <li>▪ Cognitive ( Traditional and Revised Bloom's Taxonomy is recommended)(Knowledge, Comprehension, Application, Analysis, Evaluation, and Creation)</li> </ul>	Understanding medical words as they directly relate to terminology of a body system, basic anatomical terminology and diseases.
Psychomotor Domain: <ul style="list-style-type: none"> <li>▪ Dealing with Technology</li> <li>▪ Communication skills</li> <li>▪ Analytical skills</li> <li>▪ Integration skills</li> <li>▪ Motivation and follow-up skills</li> <li>▪ Assessment and critique skills</li> </ul>	-Recognizing medical terminology for future professional practice.
Affective Domain: <ul style="list-style-type: none"> <li>▪ Social</li> <li>▪ Economical</li> <li>▪ Psychological</li> </ul>	Work effectively as part of a health care team.

Sixth: Course or Curriculum units, subjects, specific objectives, and time schedule in the academic semester (first, second, or third semester (summer))  
(Example)

Week No.	Units		Instructional Objectives	Readings		Keywords
	Unit No.	Unit/Chapter/Subject title		Reference No.	Pages	
1	1	-Provide a general idea of the course - Clarifying curriculum requirements - Determine ways of communication between students & teacher.	-Provide a general idea of the course - Clarifying curriculum requirements	-		
1	1	Introduction to clinical and forensic toxicology	Provide a basic understanding of General toxicology and forensic toxicology	1		
2	2	Mechanism , Diagnosis & treatment of toxicity	Provide a basic understanding of the mechanism , diagnosis & treatment of toxicity	1		
3	3	Corrosives: minerals and alkalis	Recognizing uses, mode of poisoning, clinical picture, treatment and post mortem picture of minerals and alkalis corrosives poisoning.	1		
4	4	Corrosives poisons (organic acids)	Understand uses ,mode of poisoning ,clinical picture, treatment and post mortem picture of organic corrosives	1		
5	5	Corrosives poisons (vegetable acids)	Recognizing uses, mode of poisoning, clinical picture, treatment and post mortem picture of vegetable corrosives poisoning. Arsenic poisoning.	1		
6	6	Irritants poisons (arsenic and arsine gas)	Recognizing uses ,mode of poisoning ,clinical picture, treatment and post mortem picture of arsenic and arsine gas)	1		
7	7	Irritant poisons: :Lead Poisoning	Define uses ,mode of poisoning ,clinical picture, treatment and post mortem picture of Lead Poisoning	1		
10	10	Pesticides (organophosphorus)	Identify uses ,mode of poisoning ,clinical picture, treatment and post mortem picture of	1		

			organophosphorus			
11	11	Plant Poisons (Atropine)	Understand uses ,mode of poisoning ,clinical picture, treatment and post mortem picture of atropine Poisoning	1		
12	12	Plant Poisons (digitalis /Aconitine)	Define and spell medical words correctly & its translation Digitalis/Aconitine Poisoning	1		
13	13	Gaseous poisons (Carbon monoxide and carbon dioxide)	Understand uses ,mode of poisoning ,clinical picture, treatment and post mortem picture of Carbon monoxide and carbon dioxide	1		
14	14	Volatile Poisons: kerosine	Identify uses ,mode of poisoning ,clinical picture, treatment and post mortem picture of kerosine	1		
15	15	Volatile poisons (methanol)	Know uses ,mode of poisoning, clinical picture, treatment and post mortem picture of methanol	1		

**Seventh:** Assessment and evaluation plan

Assessment tools	Date and duration (day/date/ time)	Subject matter covered in the exam	Type of questions	Grades out of 100	Guidelines and instructions
Short quiz exam	Week no. 4	Unit 1 to 3	Written & MCQ	5	-----
Midterm exam	Week no. 8 (1st semester)	Unit 1 to 7	Written & MCQ	30	-----
Practical exam	Week no. 17 (1st semester)	Practical part	Practical	20	-----
Final written exam	Week no. 18 (1st semester)	Lectures	Written & MCQ	40	-----
Non-exam assessment	<b>Description of the activity to be performed by the student</b>	<b>Due date</b>	<b>Rubrics to be used</b>	<b>Grades out of 100</b>	<b>Guidelines &amp; instructions</b>
	Research	On Week no. 15	Perfection of writing	5 marks	-----

**Eighth:** Readings and further References

1	Main Reference (Textbook) (correct citation in accordance to APA or other citation standards specific to discipline) From where student can get the textbook? A)Lippincott of toxicology B) <a href="#">Textbook of Modern Toxicology, 4th Edition</a>   <a href="#">Wiley</a>
Extra reading references and citations (books, internet cities, research papers)	
2	Handbook of Toxicology, Third Edition, Michael J. Derelanko, Carol S. Auletta
3	Occupational Medicine and Toxicology, Mohamed Jeebhay and Rodney Ehrlich

**Ninth:** The instructor's policy of dealing with students within the framework of the university laws, regulations, and guidelines (examples and prototypes).

1	Late attendance	Over 10 min. delay will be considered late from lecture.
2	Cheating and plagiarism	University rules will be applied.
3	Absences	University rules will be applied.
4	Late work policy	5% of the activity mark will be reduced for each day delay.
5	Exiting during the lecture period	Checkout will be allowed only after asking for.

6	Seating and student placement in the classrooms	Sitting is allowed at any place in classroom
7	Absence from an exam	University rules will be applied.
8	Mobile phones use in the classroom	Are prohibited
9	Eating and drinking	Are prohibited

Tenth: (for the instructor) Final and formative evaluation for the course instruction

- 1) **Comments and reflections on students' answers of open ended question in the Course Evaluation Form.**
- 2) **Comments and reflections on students' statistical or numerical ratings of the items in the Course Evaluation Form(s).**
- 3) **Instructor's reflections and comments on students' performance and marks/grades statistical distribution in the course**
- 4) **Obstacles faced by the instructor in implementing the course plan**
- 5) **Points of strength found in the implementation of the course plan**
- 6) **Expected changes that need to be adopted into the course plan**
- 7) **Adopted assumptions by the instructor proven to be false**
- 8) **Mark/grade optimization in light of possible measurement or assessment (by tests or rubrics) sources of errors.**