

**University of Al-Anbar**

**College of Pharmacy**

**Department of Pharmacology and Toxicology**

Title of the course: *Practical Clinical Toxicology*

Level: 5<sup>th</sup> Class, 1<sup>st</sup> Semester

Credit hours: **Laboratory 1 credit 2 hours/week**

Tutors:

Reference text: *1- Gossel TA, Bricker TD, (Eds.); Principles of Clinical Toxicology; latest edition. 2- Viccellio P, (Ed.); Handbook of Medicinal Toxicology; latest edition.*

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**Objectives:** To teach students the applications of the principles of drugs and chemicals-induced toxicity in humans, and gain experience in evaluation steps and treatment measures based on sample analysis and interpretation of toxicity signs and symptoms.

No	Lab title	hours
1.	Laboratory Principles or Toxicological Screening.	2
2.	Over the counter drugs: Case on Acetaminophen poisoning; Salicylates; evaluation of urine salicylates.	4
3.	Urine analysis of toxins and chemicals.	4
4.	Cardiac glycosides toxicity: Digitalis.	2
5.	Cases on toxicity with foods and dietary supplements.	4
6	Identification of some common poisons in biological samples: Arsenic; cyanide; strychnine; Salicylates; Phenothiazine derivatives; barbiturates	6
6.	Evaluation of cases of toxicity with anti-Parkinsonian drugs.	4
7.	Evaluation of drug toxicity on human.	4