

Course Title	Clinical Toxicology				
Course Code	MD440				
Course Type	Clinical Elective				
Level	1 st Cycle (MD)				
Year / Semester	4 th Year - 8 th Semester 5 th Year 9 th Semester / 10 th Semester				
Teacher's Name	TBA				
ECTS	3	Lectures / week	1 hr / 16 weeks	Laboratories / week	0 hr / 16 weeks
Course Purpose and Objectives	<p>Information on clinical management of poisonings, including the assessment of toxic potential, stabilization of vital function, and specific antidotal measures.</p> <p>Develop a general working knowledge of the principles and practice of clinical toxicology. It is not the intent of this course to prepare students to function as Specialists in Poison Information. The level of professional preparation provided by this course would enable a practitioner to function as contributing health care team member when faced with a toxic exposure experience, including emergencies.</p>				
Learning Outcomes	<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> • Demonstrate an understanding of the health and economic implications of toxic exposures • Demonstrate and apply an understanding of general toxicology principles and clinical management practice • Demonstrate an understanding of the roles of various health care personnel in the prevention and management of poisonings • Demonstrate and apply an understanding of the history, assessment, and therapy considerations associated with the management of a toxic exposure • Demonstrate and apply an understanding of the characteristics of and treatment guidelines for specific toxic substances • Demonstrate the achievement of an ability to function in a professional capacity that is appropriate and functional when he or she encounters a toxic exposure 				
Prerequisites	None		Co-requisites	None	
Course Content	<ul style="list-style-type: none"> • Demonstrate an understanding of the health and economic implications of toxic exposures 				

	<ul style="list-style-type: none"> • Demonstrate and apply an understanding of general toxicology principles and clinical management practice • Demonstrate an understanding of the roles of various health care personnel in the prevention and management of poisonings • Demonstrate and apply an understanding of the history, assessment, and therapy considerations associated with the management of a toxic exposure • Demonstrate and apply an understanding of the characteristics of and treatment guidelines for specific toxic substances • Demonstrate the achievement of an ability to function in a professional capacity that is appropriate and functional when he or she encounters a toxic exposure <p>More specifically the course will cover the following content</p> <ol style="list-style-type: none"> 1. Epidemiology of Poisoning 2. Special Population Groups 3. Initial Management 4. GI Decontamination 5. Enhancement of Elimination 6. Inhalants CO, CN, & HS 7. Tricyclic Antidepressants* 8. Mushrooms 9. Aspirin/NSAIDS 10. Household/Consumer Products 11. Iron and Vitamins 12. Herbals & Plants 13. Acetaminophen* 14. Beta Blockers/Calcium Channel Blockers* 15. Drugs of Abuse - I 16. Drugs of Abuse - II 17. Pyrethrins, Rodenticides 18. Pesticides MOA, OPs/Carbamates 19. Heavy Metals/Mechanisms of Toxicity 20. Toxicology of Warfare Agents 21. Toxic Alcohols 22. Snakes/ Arthropods* 23. Marine Envenomations 24. Drug Safety
Teaching Methodology	Face-to-Face
Bibliography	<p>Nelson, L.S., Lewin, N.A., Howland, M.A., Hoffman, R.S., Goldfrank, L.R. and Flomenbaum, N.E. Goldfrank's Toxicologic Emergencies, 9th ed., McGraw-Hill Global</p> <p>Recent bibliography regarding European Society of Toxicology guidelines</p>

Assessment	Examinations: 70% Assignment/Lab 20% Class Participation: 10%
Language	English