`Course: Clinical Toxicology	**Course Number:** 2102
Department:	Emergency Medicine
Faculty Coordinator:	Todd Phillips, M.D.
Assistant Faculty Coordinators:	
Hospital: (Location of rotation)	North Texas Poison Control Center in Parkland Hospital
Periods Offered:	July thru December January thru July
Length:	4 weeks
Max # of Students:	4
First Day Contact:	Emily.Jones@UTSouthwestern.edu, Education Coordinator and first point of contact 214-648-7207
First Contact Time:	0800
First Day Location:	North Texas Poison Control Center in Parkland Hospital
Prerequisites: None	

I. COURSE DESCRIPTION

This is a 4-week course designed for students wanting to explore the specialty of Medical Toxicology. The student will learn to use biochemistry, physiology, and pharmacology in the management of poisoned patients. Daily rounds will focus on the discussion of Poison Control Center consults supplemented by pertinent lectures and presentations. The purpose of the course is to allow the student the opportunity to explore a career in Medical Toxicology and provide clinical correlation for the pre-clinical courses of pathophysiology and pharmacology.

Goals	**Objectives**	**Assessment methods (examples)**
PATIENT CARE: ASSESSMENT AND MANAGEMENT		
Students will discuss Poison Control Center (PCC) consults in a classroom setting, with occasional opportunities to see in-person consults with the Medical Toxicology fellows at the Parkland Hospital, Children's Hospital, and Clements Hospital.	1. The student will perform the appropriate evaluation of a patient before referral to Medical Toxicology. 2. The student will be able to obtain appropriate exposure history, identify pertinent physical exam findings, and become aware of the treatment approaches of the poisoned patients.	The student will be evaluated based on oral presentations during rounds
MEDICAL KNOWLEDGE:		
Students will learn the pathophysiology and management of the most common medical toxicology diagnoses.	1. The student will learn about the treatment of the most common overdoses and intoxications managed by the medical toxicology service 2. The student will be able to discuss the presentation, pharmacology,	The student will be evaluated based on the quality of their PowerPoint presentations assigned for each week

	evaluation, and management of the most common overdoses managed by the PCC	
INTERPERSONAL AND COMMUNICATION SKILLS:		
The student will effectively communicate with colleagues and the primary team requesting the consult	1. The student will analyze the available exposure history of assigned patients and effectively present it to the faculty/team. 2. The student will document in the PCC electronic medical records software	The student will be evaluated based on the oral presentation on rounds and chart documentation for the assigned patients
PRACTICE-BASED LEARNING AND IMPROVEMENT:		
Students will demonstrate the ability to assimilate scientific evidence and improve patient care practices.	1. The student will present PCC cases and lead a group discussion about treatment options. 2. The student will learn to use Medical Toxicology reference materials and perform a critical review of the literature.	The student will be evaluated based on the ability to obtain and synthesize the information about their patient's diagnosis and treatment plans
PROFESSIONALISM:		
The student will demonstrate respect for patients and colleagues	1. The student will be punctual and complete all required work. 2. The student will demonstrate respect and compassion for others. 3. The student will demonstrate respect for patient privacy and autonomy.	Based on observation of attendance at and participation in rounds
SYSTEMS BASED PRACTICE:		
1. Know how PCC fits into our current medical healthcare delivery system. 2. Know how to best work with and communicate treatment plans to the primary treatment team.	1. The student will become proficient at using the PCC Electronic Medical Records (EMR) system. 2. The student will learn to effectively communicate treatment and diagnostic recommendations to providers at other healthcare facilities	The student will be evaluated based on their PCC EMR charting and the quality of diagnosis and treatment recommendations

II. METHODS OF INSTRUCTION:

A. Didactic:

Case conferences, daily consult discussions led by fellows/faculty, local and virtual lectures, reading assignments

B. Clinical

Daily clinical rounds within the PCC, occasional in-person patient consultations

III. OVERVIEW OF STUDENT RESPONSIBILITIES

Monday: 8 AM-11 AM Poison Control Center case discussions. Additional lectures and activities follow this.

Tuesday: big conference day. 8 AM -10 AM Poison Control Center case discussions

Fellow usually follows this led toxicology question and answer session. Additional lectures and activities such as Journal Club, Toxic News, Grand Rounds are held on this day. The day will end at 3 PM.

Wednesday: 8 AM-11 AM Poison Control Center case discussions. Additional lectures and activities follow this.

Thursday: 7:30 AM-11:30 AM Emergency Medicine Department conference. The rest of the day is an independent study, and the student should use it to work on PowerPoint presentations and any other toxicology-related projects.

Friday: 8 AM-11 AM Poison Control Center case discussions. Additional lectures and activities follow this.

IV. METHOD OF EVALUATION OF STUDENTS AND REQUIREMENTS:

A. Course requirements:

1) Completion of Parkland HealthStream learning modules

2) Sign daily attendance logbook in the classroom

3) Complete two online ACMT Environmental Modules

4) Complete three PowerPoint Picture Project

5) Complete one PowerPoint Final Presentation

6) Complete the Toxicology Rotator Evaluation in MedHub

B. Methods of evaluation:

Upon completion of course requirements, a grade of Pass/Fail will be awarded