

<b>Course:</b> Exploration of Medical Toxicology (2wks)	<b>Course Number:</b> 2002
<b>Department:</b>	Emergency Medicine
<b>Faculty Coordinator:</b>	Todd Phillips, MD
<b>Assistant Faculty Coordinators:</b>	
<b>Hospital: (Location of rotation)</b>	North Texas Poison Control Center in Parkland Hospital
<b>Periods Offered:</b>	Period 1 through 12
<b>Length:</b>	2 weeks
<b>Max # of Students:</b>	2
<b>First Day Contact:</b>	<a href="mailto:Emily.Jones@UTSouthwestern.edu">Emily.Jones@UTSouthwestern.edu</a> , Education Coordinator and first point of contact 214-648-7207
<b>First Contact Time:</b>	North Texas Poison Control Center in Parkland Hospital
<b>First Day Location:</b>	0800
<b>Prerequisites:</b> None	

### I. COURSE DESCRIPTION

This is a shortened 2-week course designed for students wanting to explore the specialty of Medical Toxicology. The student will learn to use principles of 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 presentation. The purpose of the course is to allow the student the opportunity to explore a career in Medical Toxicology, and to provide clinical correlation for the pre-clinical courses of pathophysiology and pharmacology.

Goals	Objectives	Assessment methods (examples)
<b><i>PATIENT CARE: ASSESSMENT AND MANAGEMENT</i></b>		
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.	<ol style="list-style-type: none"> <li>1. The student will be able to perform the appropriate evaluation of a patient prior to referral to Medical Toxicology.</li> <li>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.</li> </ol>	The student will be evaluated based on oral presentations during rounds
<b><i>MEDICAL KNOWLEDGE:</i></b>		
Students will learn the pathophysiology and management of the most common medical toxicology diagnoses.	<ol style="list-style-type: none"> <li>1. The student will learn about the treatment of the most common overdoses and intoxications managed by the medical toxicology service</li> <li>2. The student will be able to discuss the presentation, pharmacology, evaluation and management of the most</li> </ol>	The student will be evaluated based on the quality of their PowerPoint presentations assigned for each week

	common overdoses managed by the PCC	
<b>INTERPERSONAL AND COMMUNICATION SKILLS:</b>		
The student will effectively communicate with colleagues and the primary team requesting the consult	<ol style="list-style-type: none"> <li>1. The student will analyze the available exposure history of assigned patients and be able to effectively present to the faculty/team.</li> <li>2. The student will document in the PCC electronic medical records software</li> </ol>	The student will be evaluated based on oral presentation on rounds and chart documentation for the assigned patients
<b>PROFESSIONALISM:</b>		
The student will demonstrate respect for patients and colleagues	<ol style="list-style-type: none"> <li>1. The student will be punctual and complete all required work.</li> <li>2. The student will demonstrate respect and compassion for others.</li> <li>3. The student will demonstrate respect for patient privacy and autonomy.</li> </ol>	Based on observation of attendance at and participation in rounds

**II. METHODS OF INSTRUCTION:****A. Didactic:**

Attendance at and participation in rounds, case conferences, daily consult discussions led by fellows/faculty, local and virtual lectures, reading assignments

Monday: 8AM-11AM Poison Control Center case discussions. This is followed by additional lectures and activities.

Tuesday: big conference day. 8AM -10AM Poison Control Center case discussions. This is usually followed by Fellow led toxicology question and answer session. Additional lectures and activities such as Journal Club, Toxic News, Grand Rounds are held on this day. Day will end at 3PM.

Wednesday: 8AM-11AM Poison Control Center case discussions. This is followed by additional lectures and activities.

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

Friday: 8AM-11AM Poison Control Center case discussions. This is followed by additional lectures and activities.

**III. OVERVIEW OF STUDENT RESPONSIBILITIES:**

1. Completion of Parkland HealthStream learning modules
2. Sign daily attendance log book in the classroom
3. Complete two online ACMT Environmental Modules
4. Complete one PowerPoint Picture Project
5. Complete one PowerPoint Final Presentation
6. Complete the Toxicology Rotator Evaluation in MedHub

**IV. METHOD OF EVALUATION OF STUDENTS AND REQUIREMENTS:**

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

**V. RECOMMENDED READING:** Goldfrank's Toxicologic Emergencies textbook will be available for use during the rotation