



Elective Name: Addiction Medicine Elective

Course Director: Dr. Ebtessam Islam Ebtessam.Islam@ttuhsc.edu

Course Coordinators:

Campus: Lubbock

Department: School of Medicine

Course Description:

This course is intended to provide a comprehensive overview of addiction medicine including the neurobiology of substance use disorders, process addictions, and current treatment options. This course will emphasize a more holistic approach to addiction medicine including both medication and counseling approaches to patient care. At the end of this course, students will have a strong basis of the knowledge and skills needed to work within an interprofessional team to care for patients with substance use disorders and various comorbidities.

Prerequisite: Enrollment in MSI/II curriculum

Maximum number of students: Unlimited

Location: Sessions will be both in-person and Zoom combined for the 2023-2024 school year.

Course Objectives and Expected Learning Outcomes:

1. Provide a strong overview of addiction medicine including the pertinent neurobiology, trauma and mental health, process addictions, and treatment.
2. Learn the different roles of an interprofessional team by hearing from different healthcare professionals and participating in case studies of patients with substance use disorders.
3. Provide opportunities to learn more about addiction medicine after course completion, including relationships with addiction medicine mentors, resources to expand knowledge, and information about the career of an addiction medicine specialist.

Required Text: This will be a lecture-based course, and there will be no outside material required.

Attendance: Students are required to attend **8 out of 11 total** lectures.

Grading: This course will be graded on a pass/fail basis. Students are required to meet the attendance. Students are also required to attend **at least one addiction medicine presentation/lecture outside of the curriculum** and submit a brief 50-word summary. (Zoom links will be sent out periodically as opportunities arise.)

Lecture Schedule:

Week	Date	Topic	Notes
1	10/2-10/6	Introduction to Addiction Medicine	Different models of addiction, necessary background and vocabulary, DSM-5-TR
2	10/9-10/13	Neurobiology of Addiction - Overview of Different Drug Classes	Depressants, stimulants, hallucinogens, other
3	10/16-10/20	The Opioid Epidemic	Opioids MOA, history, and current state of the epidemic
4	10/23-10/27	Process Addictions	Gambling, sex, pornography, work, shopping, internet, exercise/activity, food, etc.
5	10/30-11/3	Trauma & Mental Health	The relationship between adverse child experiences/trauma and addiction. Mental health and addiction.
6	11/6-11/10	Identifying SUD Across The Lifespan	MSE, screening/assessments, comprehensive intake forms. diagnoses
7	11/13-11/17	Current Treatment Options	Level of Care options, detox/hospitalization, medications, harm reduction methods.
8	11/20-11/22	Addiction Counseling	Family systems approach, codependency, biopsychosocial and spiritual considerations, motivational interviewing.
9	11/27-12/1	Interprofessional Work and Communication	Learning how different healthcare professions participate in the care of patients with substance use disorders.
10	12/4-12/8	Outlook of Addiction - Hope	12-Step integration, success stories, support groups, community resources