

Course Number:**Course Name: Psychedelic Medicine****Course Directors:**

Name: Natalie Scanlon

Email: natalie.scanlon@ttuhsc.edu

Student Coordinator:

Name: Joshua Willms

Email: j.willms@ttuhsc.edu

Course Description:

This elective is designed to introduce medical students to the emerging field of psychedelic medicine. Students will explore the history, pharmacology, and therapeutic potential of various psychedelic substances, including ketamine, psilocybin, LSD, and MDMA. Through lectures, case studies, and interactive discussions, students will learn about the latest research on the use of psychedelics for mental health conditions such as depression, anxiety, and PTSD. The course will also cover important considerations for administering psychedelic therapies, including patient selection, preparation, and integration. Students will learn about the ethical and legal implications of psychedelic medicine, as well as the role of the healthcare providers in the growing field. Throughout the course, students will have the opportunity to engage in self-reflection and examine their own attitudes and biases towards psychedelic medicine. By the end of the course, students will have a foundational understanding of the therapeutic potential of psychedelics and their role in modern medicine.

Course Prerequisite: Enrollment in MS1/MS2 curriculum.**Semester Offered:** Fall, Spring**Max Enrollment:** 40**Course Objectives and Expected Learning Outcomes:**

At the end of this course, the student will be able to:

1. Understand the pharmacology of various psychedelic substances and their potential therapeutic uses. Students will be able to describe the mechanisms of action of ketamine, psilocybin, LSD, and MDMA, and explain how these substances may be used to treat mental health conditions.

2. Develop an awareness of the ethical and legal implications of psychedelic medicine. Students will be able to identify potential ethical and legal issues related to the use of psychedelics in therapy, and develop strategies for navigating these issues.

3. Understand the process of patient selection, preparation, and integration in psychedelic therapy. Students will be able to describe the process of screening, preparing, and supporting patients during psychedelic therapy, and identify potential risks and benefits of this process.

4. Reflect on personal attitudes and biases towards psychedelic medicine. Students will be able to recognize and reflect on their own attitudes and biases towards psychedelic medicine, and develop strategies for engaging with patients who may be interested in exploring psychedelic therapies.

Course Format:

Lecture (in person, Zoom), Discussion, Clinical site visit

Course Material:

- Barrett, F. S., & Griffiths, R. R. (2017) Classic hallucinogens and mystical experiences: phenomenology and neural correlates. In Behavioral neurobiology of psychedelic drugs. Springer, Berlin, Heidelberg.
- Rucker, J. J., Iliff, J. & Nutt, D. J. (2018). Psychiatry & the psychedelic drugs. Past, present & future. *Neuropharmacology*, 142, 200-218.
- Carhart-Harris, R. L. (2019) How do psychedelics work? *Current opinion in psychiatry*, 32(1), 16-21.
- Vollenweider, F. X., & Preller, K. H. (2020). Psychedelic drugs: neurobiology and potential for treatment of psychiatric disorders. *Nature Reviews Neuroscience*, 1-14.
- Kirmayer, L. J. (2004). The cultural diversity of healing: meaning, metaphor and mechanism. *British medical bulletin*, 69(1), 33-48.
- Video: Pollen, Michael. Psychedelics and How to Change Your Mind. Bioneers. 2018.

Attendance: Students are required to attend at least 80% of classes

Grading: Pass/Fail

Completion Requirements:
1) Attendance of at least 80% of classes 2) Final paper: a well-written, five-page paper (double-spaced) exploring psychedelic medicine. Students may select a topic of their choice, including synthesis of research, medical applications of psychedelics, ethics of psychedelic medicine, or diversity, equity, & inclusion in psychedelic medicine.

Schedule:

Date	Time	Topic	Faculty	Room
9/5	1pm	Survey and Medical Applications of Psychedelics	Dr. Scanlon ¹	
9/12	1pm	Introduction to the Psychedelic Model of Care	Dr. Willms ^{1,3} , Mr. McCauley ³	
9/19	1pm	Pharmacology of Psychedelics 1	Dr. McMahon ¹	
9/26	1pm	Pharmacology of Psychedelics 2	Dr. Wilkerson ¹	
10/3	1pm	Pharmacology of Psychedelics 3	Dr. Obeng ¹	
10/10	1pm	Psychedelic-Assisted Psychotherapy 1	Dr. Scanlon ¹ , Mr. McCauley ³	
10/17	1pm	Psychedelic-Assisted Psychotherapy 2	Ms. Kerr ³ , Mrs. Annie Jones ³	
10/24	1pm	Diversity, Equity, & Inclusion in Psychedelic Medicine	Dr. Heath ³	
10/31	1pm	Business, Ethics, & Legal Considerations of Psychedelics	Mr. McCauley ³	
11/7	1pm	Clinic Tour at Denovo Therapy	Mr. McCauley ³	
11/14	1pm	Perspectives on Integrative Acculturation of Traditional Indigenous Uses of Plant Medicines: Past, Present, & Future	Rocky Reyna ² & Ben McCauley ³	
11/21	1pm	Discussion & Integration Session	Dr. Willms ^{1,3} , Mr. McCauley ³	

1. TTUHSC 2. Native Veda 3. DENOVO Therapy.

Professional Behavior will be assessed based on engagement in class activities, including attendance and peer review.

Academic Integrity: All students are expected to subscribe to an honor system which is implicit in accepting admission to the Health Sciences Center. Each student shall be responsible for his/her conduct from the time of the application for admission through the actual awarding of a degree, even though conduct may occur before classes begin or after classes end, as well as during the academic year and during periods between terms of actual enrollment. Students are expected to abide by all of the rules for academic integrity, as specified in the TTUHSC Student Affairs Handbook (www.ttuhscc.edu/student-services/doc/handbook.pdf).

Students with Disabilities: *"Any student who, because of a disability, may require special arrangements in order to meet course requirements should contact the course instructor (or program director) to make the necessary referral. Students must present appropriate verification from Student Disability Services in a confidential meeting with the instructor. Please note that instructors are not allowed to provide classroom accommodation to a student until appropriate verification from Student Disability Services has been provided. For*

additional information, please contact the Office of Student Disability Services located in Lubbock - 2C412, by telephone at 806-743-1926, or by email disabilityservices@ttuhsc.edu."
