

NEW MEXICO STATE UNIVERSITY
Post-Doctoral Training in Clinical Psychopharmacology

COURSE OUTLINE

Class #22

Course #:	RXPP 609 & 610
Official Title:	Psychopharmacological Treatment in Special Populations I & II
Topic:	Psychopharmacology and Pain Disorders Prescribing Psychologists in Integrated Healthcare
Credit Hours:	3.0 (13.5 CE; Provided by SIAP, Sponsored by APA). SIAP is approved by the American Psychological Association to sponsor continuing education for psychologists. SIAP maintains responsibility for the program and its content)
Location:	Online, via Zoom
Class Meeting Dates:	May 15-16, 2021, 8:00am-5:00pm
Instructor(s):	Lia Billington, Ph.D., M.A. Prescribing
Required Readings:	Psychologist

Anand, P., Whiteside, G., Fowler, C., & Hohmann, A. (2009). Targeting CB2 receptors and the endocannabinoid system for the treatment of pain. *Brain Research Reviews*, *60*(1), 255–266.

Anderson, G., & Maes, M. (2017). How Immune-inflammatory Processes Link CNS and Psychiatric Disorders: Classification and Treatment Implications. *CNS & Neurological Disorders - Drug Targets*, *16*(3), 266-278.

Becker, W. C., Bair, M. J., Picchioni, M., Starrels, J. L., & Frank, J. W. (2018). Pain Management for Primary Care Providers: A Narrative Review of High-Impact Studies, 2014–2016. *Pain Medicine*, *19*(1), 40–49.

Bent-Ennakhil, N., Cécile Périer, M., Sobocki, P., Gothefors, D., Johansson, G., Milea, D., & Empana, J.P. (2018). Incidence of cardiovascular diseases and type-2-diabetes mellitus in patients with psychiatric disorders. *Nordic Journal of Psychiatry*, *72*(7), 455-461.

Dietrich-Muszalska, A., & Wachowicz, B. (2017). Platelet haemostatic function in psychiatric disorders: Effects of antidepressants and antipsychotic drugs. *The World Journal of Biological Psychiatry*, *18*(8), 564–574.

Henningsen, P. (2018). Management of somatic symptom disorder. *Dialogues in Clinical Neuroscience*, *20*(1), 23-31.

Kahl, K., Schweiger, U., Correll, C., Müller, C., Busch, M., Bauer, M., & Schwarz, P. (2015). Depression, anxiety disorders, and metabolic syndrome in a population at risk for type 2 diabetes mellitus. *Brain and Behavior*, *5*(3).

Course Description: In this HYPBRID RXPP 609 & 6010 class will continue our study of psychopharmacological considerations and treatment in special populations and environments.

Day 1 Objectives: Students/Attendees will:

1. List five neurophysiological aspects that differentiates acute from chronic pain.
2. List at least three (DSM 5) categories of Somatic Symptom Disorders; and two roles of the prescribing or consulting psychologist in co-managing Somatic Symptom Disorders.
3. List four medications commonly used for the improvement of fibromyalgia symptoms and one non-medication biological strategy.
4. Identify two labeled indications for gabapentin and three off-label frequent usages of this medication.
5. List and describe four medication classes of non-opioid management of pain.
6. Identify two mechanisms of action of pain management medications; and two drug-drug interactions with psychotropic medication.
7. List three cognitive-behavioral techniques for pain management, two mindfulness techniques, and one neuropsychological imagery technique for reducing pain sensations.
8. List at least two strategies to balance between managing pain and minimizing addiction that a psychologist can use when consulting with physicians of their patients.
9. List at least four steps to assist in co-managing the minimization of addiction, psychosocially and medically.
10. Identify at least two risks of diversion of pain medications.
11. List three ways that medical cannabis for pain management impact health care systems and providers.
12. Identify two ethical dilemmas when working patients with pain and co-occurring psychiatric conditions.
13. List at least three challenges faced when working with patients on long term use of both opioid pain medications and benzodiazepines.
14. Identify at least three key points when discussing dependency to prescription opioids with patients.
15. Engage in three case studies integrating major medical illness, pain management, psychotropic, psychotherapy.

Day 2 Objectives: Students/Attendees will:

1. List five chronic medical illnesses that are frequently seen with patients who struggle with a cooccurring mental disorders.
2. List at least 5 psychiatric symptoms as the result of General Medical Conditions' list one useful mnemonic device to recall common symptoms.
3. List two electronic applications to assess drug interactions when treating chronically ill patients with psychotropics.
4. Regarding elderly patients, list four aspects of the Beers Criteria.
5. List three respiratory disorders and one psychotropic medication cautions associated with each.
6. Explain immune-inflammatory processes and how this may be related to tryptophan and serotonin availability.
7. List three psychotherapeutic strategies for improving the health behaviors of individuals with co-occurring psychiatric disorder and major medical illness.

Evaluation: There will be a test (multiple choice, short answer or true/false) which will be given to students after class. Case studies will be presented that involve dual diagnoses medical and psychological problems. Students will be expected to write up an educated response and solution to the case study assignment; using clinical judgment, course materials, and any necessary references.

<u>Grading Assignments</u>	<u>Points Possible</u>
<i>Test (30 questions @ 1 pt. each)</i>	<i>30 pts.</i>
<i>Case Analysis</i>	<i>60 pts.</i>
<i>Participation/Attendance (live or via AdobeConnect)</i>	<i>10 pts.</i>
<i>Journal Article Discussion thread</i>	<i>20 pt. Optional Extra Credit</i>

Course grades:

<i>90-100 pts total</i>	<i>= "A"</i>
<i>80-89 pts total</i>	<i>= "B"</i>
<i>70-79 pts total</i>	<i>= "C"</i>

Students with Disabilities: *If you have or believe you have a disability, you may wish to self-identify. You can do so by providing documentation to the Office of Student Accessibility Services (SAS), located at the Corbett Center Student Union, Room 208 (Telephone 575-646-6840, Fax 575-646-5222, E-Mail: sas@nmsu.edu). Appropriate accommodations may then be provided for you. If you have a condition which may affect your ability to exit from the premises in an emergency or which may cause an emergency during class, you are encouraged to discuss this in confidence with the instructor and/or the Director of SAS, Trudy Luken. If you have questions about the Americans with Disabilities Act (ADA), call 575-646-3635. Students should contact the Office of Institutional Equity (575-646- 3635) only if they feel they have been discriminated against in any category.*

Student complaints: *If students have a complaint about a course, they are advised to discuss their concerns directly with the instructor whenever possible. If that does not resolve the problem or if they cannot approach the instructor, students should either access NMSU's online complaint system at <https://dos.nmsu.edu/concerns/> or seek out the department head (bgormley@nmsu.edu) for help resolving the problem. Both of these processes provide opportunities for the department head to know about issues that need attention and for instructors to receive information about student concerns so that they can respond.*

Further Notice: *Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act Amendments Act (ADAAA) covers issues relating to disability and accommodations. If a student has questions or needs an accommodation in the classroom (all medical information is treated confidentially), contact:*

Will Waller, Interim Director
Student Accessibility Services (SAS) - Corbett Center Student Union, Rm. 208
Phone: (575) 646-6840 E-mail: sas@nmsu.edu
Website: <http://sas.nmsu.edu/>

NMSU policy prohibits discrimination on the basis of age, ancestry, color, disability, gender identity, genetic information, national origin, race, religion, retaliation, serious medical condition, sex, sexual orientation, spousal affiliation and protected veterans' status. Furthermore, Title IX prohibits sex discrimination to include sexual misconduct: sexual violence (sexual assault, rape), sexual harassment and retaliation.

For more information on discrimination issues, Title IX, Campus SaVE Act, NMSU Policy Chapter 3.25, NMSU's complaint process, or to file a complaint contact:

Lauri Millot, Director and Title IX Coordinator
Agustin Diaz, Associate Director, Title IX Deputy Coordinator
Office of Institutional Equity (OIE) - O'Loughlin House, 1130 University Avenue
Phone: (575) 646-3635 E-mail: equity@nmsu.edu
Website: <http://eeo.nmsu.edu/>

Other NMSU Resources:

NMSU Police Department:	(575) 646-3311	www.nmsupolice.com
NMSU Police Victim Services:	(575) 646-3424	
NMSU Counseling Center:	(575) 646-2731	
NMSU Dean of Students:	(575) 646-1722	
For Any On-campus Emergencies:	911	

The Instructor of Record reserved the right to make announced changes in the syllabus; as feasible, changes will be made with student input.