

Alcohol and Other Drug Studies 92 – Pharmacological & Physiological Effects of Alcohol & Drugs

Spring 2021

Instructor: Meghan Murphy, ASW
E-Mail: mmurphy@santarosa.edu
Office Hours: Wednesday 6-7pm via Zoom
Class: Online - CANVAS

Course Description

This course reviews the medical and pharmacological aspects of alcohol and psychoactive substances. Students will also review theories and research pertaining to chemical dependency, pharmacological actions of drugs, drug classifications, medical and physical effects of alcohol and other drugs. The potential for abuse and dependency, and how psychoactive substances affect the mind and body will also be reviewed.

Student Learning Outcomes

Upon completion of the course, students will be able to:

1. Describe the medical and pharmacological resources available in the treatment of substance use disorders.
2. Recognize and describe the differences and similarities between and among physical and psychological dependency, tolerance and withdrawal.
3. Recognize and screen clients for psychoactive substance toxicity, intoxication, and withdrawal symptoms.

Objectives

Upon completion of this course, the student will be able to:

1. Identify the progressive stages of the disease of chemical dependency.
2. Describe and list the most commonly abused drugs and their effects on the body.
3. Recognize and analyze the basic metabolic and neurological processes involved in drug use.
4. Describe the social effects of psychoactive substances on the user.
5. Describe the special service needs and staff precautions necessary when working with clients who may be HIV, hepatitis, STI or tuberculosis positive.
6. Analyze in writing the risk and intervention issues associated with prenatal drug use.

Required Text

Inaba, D. S., Cohen, W. E., Radics, E., & Cholewa, E. K. (2014). *Uppers, Downers, and All Arounders 8thEd* (8th ed.). Cns Productions.

Substance Abuse and Mental Health Services Administration. (2020). *Key substance use and mental health indicators in the United States: Results from the 2019 National Survey on Drug Use and Health* (HHS Publication No. PEP20-07-01-001, NSDUH Series H-55). Rockville, MD: Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration. Retrieved from <https://www.samhsa.gov/data/>

Students Services

During this remote learning time all services are being offered via online, phone, or video call. See online services page.

Disability Resources is located in Bertolini Student Center, 3rd Floor (East wing). If you feel you need assistance in any of your classes counselors are available to help you in the process. (707) 527-4278 or disabilityinfo@santarosa.edu

Tutorial Center is located in the Frank P. Doyle Library, First Floor, Rm 4251. Drop-In service available for Math, Chemistry, Physics, Biology, English, and ESL all hours that we are open. All subjects are offered by hourly appointments as well. <http://college-skills.santarosa.edu/tutorial-centers> Links to an external site.

Financial Aid services are located in Plover Hall, staff are available to help you with applying for financial aid and understanding funding opportunities financialaid.santarosa.edu

Academic Counseling services are located in Bertolini Student Center, 2nd Floor. Counselors are available to see students on a drop-in basis, first come, first served or by scheduling a same day appointment. Counseling.santarosa.edu

Health issues (physical and mental) can interfere with your academic success. Student Health Services is here to support you. Located in the Race Building Room 4017, details at shs.santarosa.edu

Class Schedule *dates are subject to change to best meet class needs

Readings in the class schedule will be referred to with the following acronyms:

- Uppers, Downers and All Arounders (UDAA)
- Key substance use and mental health indicators in the United States: Results from the 2019 National Survey on Drug Use and Health (SAMHSA)

January 25 th	Welcome, introduction, syllabus, overview, syllabus and administrative issues
February 1 st	Psychoactive Drugs Required reading for this session: UDAA chapter 1
February 8 th	Neurochemistry Required reading for this session: UDAA chapter 2
February 15 th	No Class Required reading for this week: SAMHSA pgs 1-8
February 22 nd	The Spectrum of Drug Use and Theories of Addiction Required reading for this session: review UDAA chapter 2, SAMHSA pgs 9-40

March 1 st	Uppers Required reading for this session: UDAA chapter 3 Quiz on chapters 1-2
March 8 th	Downers: Opiates/Opioids and Sedative Hypnotics Required reading for this session: UDAA chapter 4
March 15 th	Downers: Alcohol Required Reading for this session: UDAA chapter 5 Midterm
March 22 nd	Spring Break; No Class No reading or assignments due, enjoy the break!
March 29 th	Psychedelics and Cannabinoids Required reading for this session: UDAA chapter 6 Assignments due: Paper - Analysis of Substance Use Effects
April 5 th	Other Addictions Required reading for this session: UDAA chapter 7 Quiz on chapter 3-6
April 12 th	Drug Use and Prevention Required reading for this session: UDAA chapter 8
April 19 th	Addiction Treatment Required reading for this session: UDAA chapter 9 pgs 9.1-9.36, SAMHSA pgs 50-55 and 63-66
April 26 th	Addiction Treatment Continued Required reading for this session: UDAA chapter 9 pgs 9.37-end of chapter
May 3 rd	Working with special populations Required reading for this session: TBD Assignment due: Paper - Critique on Treatment Modalities Quiz on chapters 7-9
May 10 th	Substance Use and Mental Health Required reading for this session: UDAA chapter 10, SAMHSA pgs 45-47
May 17 th	Course review and final preparation Required reading for this session: none
May 24 th	Final Assignment due: Evaluation of a Bay Area Treatment Program

Assignments

All written assignments must be formatted using APA with Times New Roman, Calibri, or Cambria 12pt font, 1" margins, double-spaced. Your name, the date, and the name of the assignment should appear in the top right-hand corner of the first page. Correct grammar, spelling, and punctuation are expected of college level work.

Paper 1: Analysis of Substance Use Effects: Due 3/29/21 by 5pm

3-5 page paper analyzing the effects of a specific drug. Watch one of the documentaries listed below and write a paper describing the following: levels of use depicted, biopsychosocial impacts of the drug on individuals portrayed (both positive and negative), reasons for using the particular drug(s), experience of withdrawal (if shown), and whether the impacts portrayed are realistic based on information provided in the text. Provide citations for all references to the book.

- Have a Good Trip
- Oxyana
- Meth Storm
- Take Your Pills
- Drinking to Oblivion

Paper 2: Critique on Treatment Modalities: Due 5/03/21 by 5pm

3-5 page paper exploring treatment modalities. Read any three SAMHSA Advisory publications on treatment of substance use disorders (found at: https://store.samhsa.gov/?v=treatment_prevention_and_recovery). Write a paper that includes the following:

- Comparison of the treatment modalities provided
- Identification of treatment modalities you are interested in learning
- Overview of how to learn those modalities (this will require additional research)

Paper 3: Evaluation of a Bay Area Treatment Program: Due 5/24/21 by 5pm

3-5 page overview of a local substance abuse treatment program. The paper may be written individually or in groups of up to three students. Sources for this paper need to include: interview of at least one staff person, review of any public materials (brochures, annual report, website), review of financial information in GuideStar (if the treatment program is a non-profit agency). If written in a group, all team members must be present for the interview.

Agency overview must include the following components:

- Program name, address, and the name and title of the person interviewed
- Population served including: number of clients served at any given time and annually, genders served, languages, substance abuse disorders addressed
- Treatment modalities used, the amount of programming offered (i.e., sessions per day/week), and educational level of staff providing various services
- Funding sources and size of the agency budget
- How outcomes are measured and what outcomes were for the last year (if available)
- The strengths and weaknesses of the program from the interviewee's perspective

In addition, add your analysis of the following:

- Based on information from readings and class, how does the program align with the best practices?
- What changes would you make to improve the program?
- What types of clients would you refer to this program?

Quizzes

There will be three quizzes, each worth 30 points. Quizzes will cover the most important material from the sections they cover. Quiz for chapters 1-2 on 3/1; chapters 3-6 on 4/5, and chapters 7-9 on 5/3. Study guides will be given out the week before each quiz.

Exams

There will be a midterm on 3/15 and a final on 5/24. Both exams will be comprised of multiple-choice, short answer, and essay exams. The material covered by the exams will include information from class presentations, guest speakers, and assigned reading. There will be material on exams covered in one only venue (i.e. reading OR class presentations). The final will be comprehensive and cover material from the entire course.

Grading Structure

Assignment	Points
Attendance and participation 10%	50 points
Papers (50 points each)	150 points
Quizzes (30 points each)	90 points
Midterm	80 points
Final	130 points
Total Possible Points	500 points

450-500 points = A
400-449 points = B
350-399 points = C
300-349 points = D
<300 points = F

Important Dates

Wednesday, January 20, 2021	CLASSES BEGIN
Tuesday, January 26, 2021	Last day to register/add semester length class without instructor's signature or add code
Sunday, January 31, 2021	Last day to drop semester length class and be eligible for a refund
Sunday, February 7, 2021	Last day to register/add semester length class with the instructor's signature or add code
Sunday, February 7, 2021	Last day to drop a semester length class without "W" symbol
Monday, February 8, 2021	First Census Day
Monday, February 15, 2021	Washington's Day Holiday (No classes)
Sunday, February 28, 2021	Last day to opt for P/NP for a semester length class
March 22-28, 2021	Spring Break (No classes)
March 29 - April 25, 2021	Midterm progress indicators posted in student portal
Sunday, April 25, 2021	Last day to drop a semester length class with "W" symbol
May 22-28, 2021	Final Examinations