

# Welcome to Addiction Studies 2

## Physiology and Pharmacology of Psychoactive Drugs

Maria Cruz (Buffo), M.A., LMFT  
AS 2 Pierce College  
Spring 2022



# Covering Today

- Introduction to class
- Syllabus Review
- Review of Canvas Tools
- Class Layout
- Lecture: Classification of Psychoactive Drugs



# Zoom Meetings

- Video sharing is not mandatory
- Keep audio muted
- I do not use or check chat box during lecture
- Screen name = Full name for attendance
- Lecture will not be recorded (lecture presentation will be posted in the modules)
- DO NOT stay on after class is over



# Communication

- I prefer email to cruzmd@LACCD.edu
- I will check Canvas inbox
- Office hours by appointment only
- Check announcements on Canvas



# What you will learn

- Principles of psychoactive drugs
- Drug and psychological implication of use and abuse
- Psychosocial, cultural, social consequences of substance abuse



- Home
- Syllabus
- Modules
- Zoom
- Grades
- People
- Office 365
- LAPC Tutoring

Recent Announcements

ADDICST 002 : Phy & Phrm Psy Drugs - Cruz M. - SPRING 2022 - SECTION# 13238



WELCOME!

Hello AS2 Students,

My name is Maria Cruz Buffo and I will be your Spring 2022 Addiction Studies 2: Physiology and Pharmacology of Psychoactive Drugs, Course , which begins February 7 and ends June 6, 2022.

I am a graduate of the Addiction Studies program at Pierce College, have worked in addiction for over 10 years, and am a Licensed Marriage and Family Therapist. I love teaching in the Addiction Studies program and my goal is that you also love the program too.

It will be over one year that Pierce College has been online only and for many it is still an adjustment. Not to worry, I have designed the class to be easy to follow.

View Course Stream

View Course Calendar

View Course Notifications

To Do

- Introduce yourself Jan 31 at 3:30pm
- ADDICST 002 : Ph... Feb 7 at 3:30pm
- ADDICST 002 : Ph... Feb 14 at 3:30pm
- ADDICST 002 : Ph... Feb 21 at 3:30pm
- ADDICST 002 : Ph... Feb 28 at 3:30pm
- ADDICST 002 : Ph... Mar 7 at 3:30pm
- ADDICST 002 : Ph... Mar 14 at 3:30pm



Fall 2021

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Office 365

# Course Syllabus

[Jump to Today](#)

## Syllabus

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Welcome to Addiction Studies - Physiology and Pharmacology of Psychoactive Drugs

I have broken down the syllabus into sections to make it easy to navigate. Start with the class introduction and class description. To return back to this main page to select the "back to syllabus" link at the bottom left corner. When reading through the course summary, keep in mind that not on the class content is not on this list (see the modules).

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[Course Description, Modality, and Expectations](#)

[Instructor and Contact Information](#)

[Required Textbook](#)

[Learning Outcomes and New Skills](#)

[Grading, Extra Credit and Late Assignments](#)

[Attendance and Drop Policy](#)

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[Accommodations for Students \(DSPS\)](#)

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[Tips for Success](#)



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Studio

Adjust All

Accommodate HQ

Office 365

New Analytics

Collapse

⋮ ▼ Week 1: February 7 - INTRODUCTION TO CLASS/ CLASSIFICATION OF DRUGS

⋮  Module 1: Intro to Class

⋮  Introduce yourself  
Jan 31

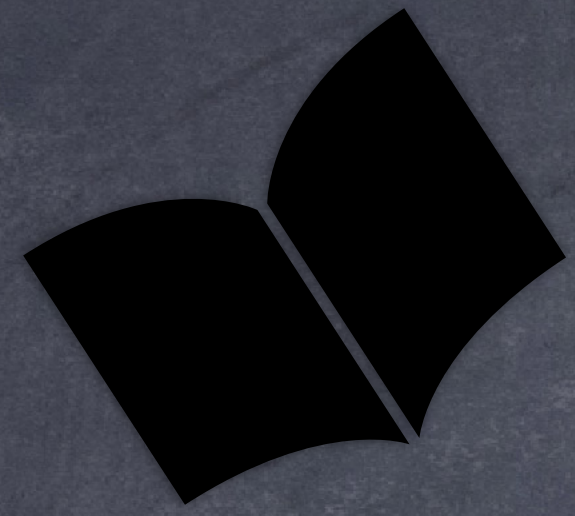
⋮ ▼ Week 2 : February 14 - THE HISTORY OF PSYCHOACTIVE DRUGS

⋮  Module 3: The History of Psychoactive Drugs

# Modules

Each Module will be posted ahead of the new week. Please make sure you read through the modules to get reading assignments and prep for discussion.





# Weekly Assignment

- Read Chapter before lecture
- Look up an article online or publication pertaining to weekly topic
- Class textbook can be used to support your discussion however it CANNOT be used in place of article
- In discussion board, share about the article, 1-2 paragraphs
- Read and respond to others articles (interactive)
- CANNOT make up discussion. ATTENDANCE and PARTICIPATION is key





# Weekly Discussions

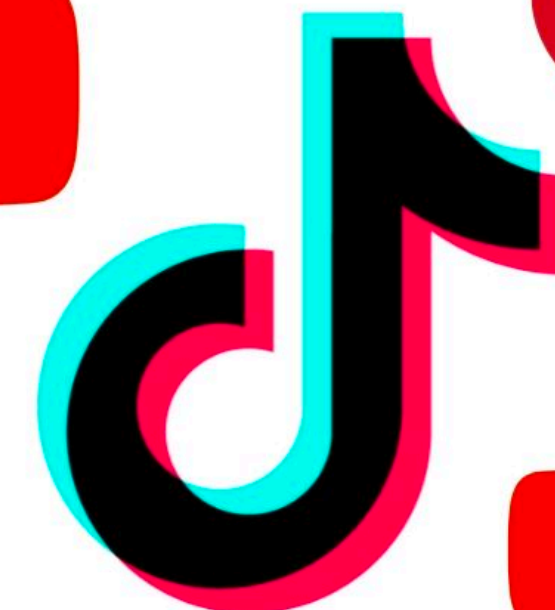
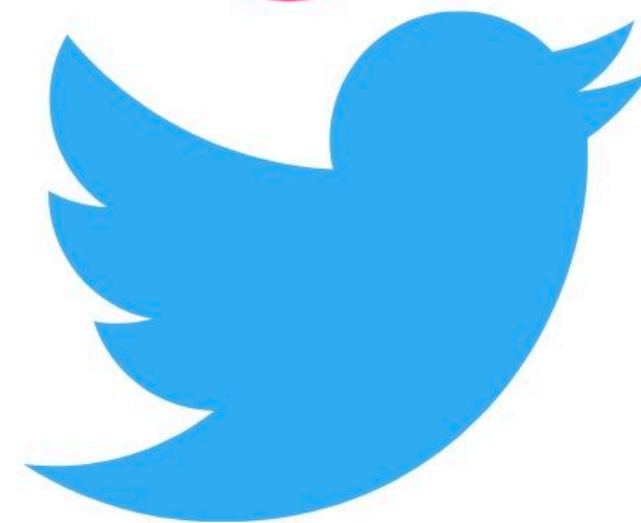
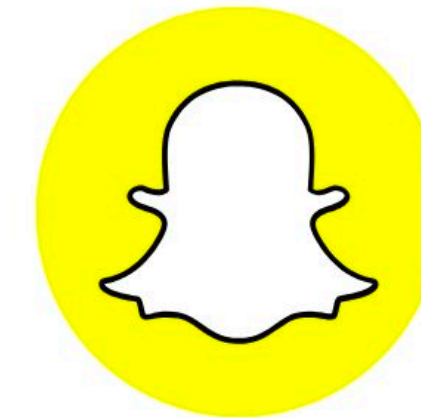
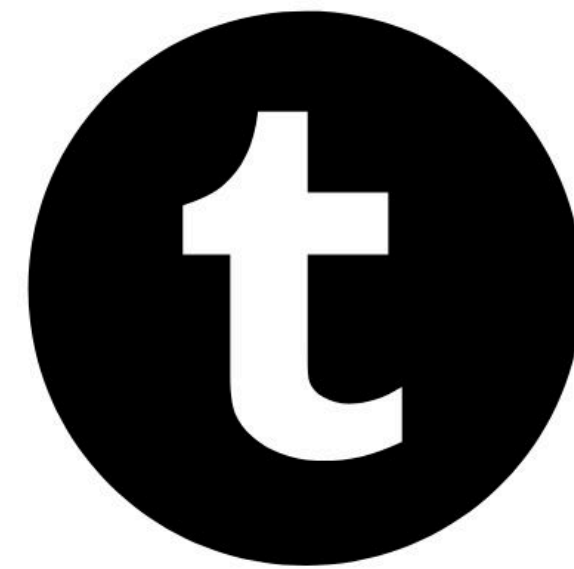
Each post is 25 point. YOU choose the article



# DO NOT USE THESE SITES



WIKIPEDIA  
The Free Encyclopedia



reddit



This is a graded discussion: 25 points possible

Since this is a group discussion, each group has its own conversation for this topic. Here are the ones you have access to:



## Discussion: History of Psychoactive Drugs

Maria Cruz

Begin your post with:

Title of Article

Website or Book

If possible add the link for others to go to the article.

Unread



← Reply

○



Maria Cruz

9:25pm

History of Alcohol in the United States - [www.smithsonian.com](http://www.smithsonian.com)

I learned.....

← Reply



○



Test Student

9:28pm

quick reply

← Reply



You need to post first before you can see other

Read through the discussion and reply

This an interactive discussion one word answers or a thumbs up is not going to give you full points



Practice Netiquette



# Netiquette Guidelines

## Ground Rules:

- Be constructive and productive
- Do not gripe or whine
- Ask questions
- Contribute replies
- Expect to be misunderstood
- Don't take things personally
- Be kind and supportive
- Remember that mistakes are learning opportunities
- Enjoy the discussion as you learn from each other.

## General Rules for Management:

- Keep your posts short – one to two paragraphs.
- Keep one topic/question per post – don't mix topics.
- No aside dialogue within the topics. Click on Inbox and talk to each other.
- ASK lots of questions.
- Keep one topic/question per post – don't mix topics.



# Class Layout

- 3:30 - 4:45 p.m. Article and discussion board
  - Zoom will be open for questions only
- 4:45 - 5:00 p.m. BREAK
- 5:00 - 6:40 p.m. Lecture/PowerPoint



**February 14, 2022**

**AS 2 ZOOM meeting will not start until 5:00 p.m.**

**If you have any questions please place them in the chat box.**

**Class layout**

**3:30 -4:45 p.m. Article and discussion board**

**Zoom will be open for questions only**

**4:45 - 5:00 p.m. BREAK**

**5:00 - 6:40 p.m. Lecture/PowerPoint**



Unmute

Start Video

Security

Participants 111

Chat

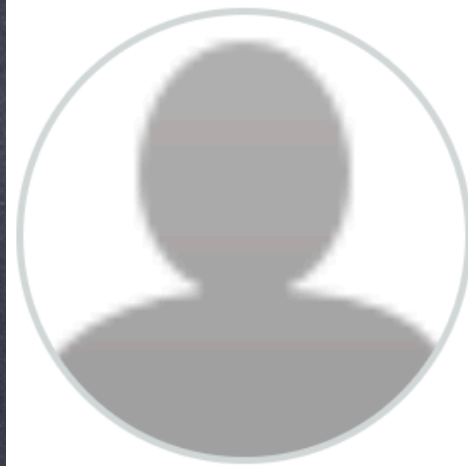
Share Screen

Record

Reactions

End





Remove avatar picture


Contact

Biography

Qayyum Abdulmalik hasn't added a bio

Enrollments

- Student in [ADDICST 002 : Phy & Phrm Psy Drugs - Cruz M. - SPRING 2022 - SECTION# 13238](#)
- Member in [History of Psychoactive Drug 1](#)

 Student Grades

 Interactions Report

 Access Report

 New Analytics



Attendance will be conducted sometime throughout the Zoom meeting. Make sure your full name is on the Screen.



# Midterm and Final

- Critical thinking
- Rubric will be provided
- Will review weeks before it is due







# Drug Classification

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Pierce College - Addiction Studies 2  
Fall 2021



# Definition

"A psychoactive drug is any substance that directly alters the normal functioning of the central nervous system (CNS)."



# Uppers

- Cocaine (hydrochloride, freebase, crack)
- Amphetamine (Adderall ®, "crystal", meth, speed)
- Amphetamine Congeners (Ritalin ®, diet pills)
- Plant stimulant (Khat, betel nuts)
- Caffeine (coffee, tea, colas, energy drinks)
- Nicotine (cigars, cigarettes, smokeless tobacco)
- Psychostimulants (e.g., ecstasy)



# Downers

- Opiates/Opioids: opium, heroin, oxycodone
- Sedative-hypnotics: benzodiazepine (e.g., Xanax)
- Alcohol: beer, wine, hard liquors
- Others: antihistamines, muscle relaxants



# ALL Arounders

- Indoles: LSD, mushrooms
- Phenalkylamines: peyote
- Anticholinergics: belladonna
- Cannabinoids: marijuana
- Other: Ketamine, PCP



# Other Drugs and Addictions

- Inhalants
- Psychiatric Medications
- Compulsive Behaviors (eating disorders, gambling, shopping)



# Drug Enforcement Administration

Controlled Substance Schedules



# DEA Mission

- Since its founding in 1973 the mission of the DEA has been to enforce the controlled substances laws and regulations of the United States, and bring to the criminal and civil justice system of the United States, or any competent jurisdiction, organizations and their principal members involved in the growing, manufacture, or distribution of controlled substances appearing, in or destined for, illicit traffic in the United States, and recommend and support non-enforcement programs aimed at reducing availability of illicit controlled substances.



**1970-1975**

DEA Officially established by President Nixon



# Scheduled Drugs based on...

- Medical Use
- Abuse/Dependency potential
- Separated into 5 categories



# Schedule 1:

No currently accepted medical use and a high potential for abuse.

- Heroin
- Lysergic acid diethylamide (LSD)
- Marijuana (cannabis)
- MDMA- methylenedioxymethamphetamine (ecstasy)
- Methaqualone (quaaludes, rohypnol)
- Peyote



# Schedule 2:

High potential for abuse, with use potentially leading to severe psychological or physical dependence. These drugs are also considered dangerous.

- ◉ Combination Products(Vicodin)
- ◉ Cocaine
- ◉ Methamphetamine
- ◉ Methadone
- ◉ Hydromorphone (Dilaudid)
- ◉ Meperidine (Demerol)
- ◉ Oxycodone (OxyContin)
- ◉ Fentanyl
- ◉ Dexedrine
- ◉ Adderall
- ◉ Ritalin



# Schedule 3:

Moderate to low potential for physical and psychological dependence.

Schedule III drugs abuse potential is less than Schedule I and Schedule II drugs but more than Schedule IV.

- Tylenol with codeine
- ketamine
- Anabolic steroids
- Testosterone



# Schedule 4:

Low potential for abuse and low risk of dependence.

- Xanax
- Soma
- Valium
- Ativan
- Talwin
- Ambien
- Tramado



# Schedule V:

Lower potential for abuse than Schedule IV and consist of preparations containing limited quantities of certain narcotics. Schedule V drugs are generally used for antidiarrheal, antitussive, and analgesic purposes.

- cough preparations with less than 200 milligrams of codeine or per 100 milliliters (Robitussin AC)
- Lomotil
- Motofen
- Lyrica



# Schedule of Drugs

- For a reason
- A way to regulate
- Foundation for laws
- Doesn't always make sense



# Next Week: February 14



- History of psychoactive drugs
- Read chapter 1
- Discussion Post Due Monday before 5:00p.m. You have 3:30 - 5:45 p.m.