

## AD ST105 : Pharmacology: Alcohol And Other Drugs

### General Information

Author:	<ul style="list-style-type: none"><li>Benjamin Salazar</li></ul>
Course Code (CB01) :	AD ST105
Course Title (CB02) :	Pharmacology: Alcohol And Other Drugs
Department:	AD ST
Proposal Start:	Winter 2025
TOP Code (CB03) :	(2104.40) Alcohol and Controlled Substances
CIP Code:	(51.1501) Substance Abuse/Addiction Counseling.
SAM Code (CB09) :	Clearly Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000222036
Curriculum Committee Approval Date:	05/08/2024
Board of Trustees Approval Date:	06/18/2024
Last Cyclical Review Date:	05/08/2024
Course Description and Course Note:	ADST 105 emphasizes the specific action and effects of psychoactive drugs, including alcohol, on the human brain and body. The history of drugs as substances of abuse is presented along with the pharmacological and physiological implications of tolerance and habituation. The part played by pharmacological therapy as a component of current abuse and addiction treatment models is examined. Several prevention models are also presented.
Justification:	Mandatory Revision
Academic Career:	<ul style="list-style-type: none"><li>Credit</li></ul>
Author:	<ul style="list-style-type: none"><li>Benjamin Salazar</li></ul>

### Academic Senate Discipline

Primary Discipline:	<ul style="list-style-type: none"><li>Addiction Paraprofessional Training</li></ul>
Alternate Discipline:	No value
Alternate Discipline:	No value

### Course Development

<b>Basic Skill Status (CB08)</b> Course is not a basic skills course. <input type="checkbox"/> Allow Students to Gain Credit by Exam/Challenge	<b>Course Special Class Status (CB13)</b> Course is not a special class. <b>Pre-Collegiate Level (CB21)</b> Not applicable.	<b>Grading Basis</b> <ul style="list-style-type: none"><li>Grade with Pass / No-Pass Option</li></ul> <b>Course Support Course Status (CB26)</b> Course is not a support course
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## Transferability & Gen. Ed. Options

### General Education Status (CB25)

Not Applicable

### Transferability

Transferable to CSU only

### Transferability Status

Approved

## Units and Hours

### Summary

<b>Minimum Credit Units (CB07)</b>	3
<b>Maximum Credit Units (CB06)</b>	3
<b>Total Course In-Class (Contact) Hours</b>	54
<b>Total Course Out-of-Class Hours</b>	108
<b>Total Student Learning Hours</b>	162

### Credit / Non-Credit Options

#### Course Type (CB04)

Credit - Degree Applicable

#### Noncredit Course Category (CB22)

Credit Course.

#### Noncredit Special Characteristics

No Value

#### Course Classification Code (CB11)

Credit Course.

Variable Credit Course

#### Funding Agency Category (CB23)

Not Applicable.

Cooperative Work Experience  
 Education Status (CB10)

### Weekly Student Hours

	In Class	Out of Class
Lecture Hours	3	6
Laboratory Hours	0	0
Studio Hours	0	0

### Course Student Hours

<b>Course Duration (Weeks)</b>	18
<b>Hours per unit divisor</b>	54
<b>Course In-Class (Contact) Hours</b>	
Lecture	54
Laboratory	0
Studio	0
<b>Total</b>	54
<b>Course Out-of-Class Hours</b>	
Lecture	108
Laboratory	0
Studio	0
<b>Total</b>	108

## Time Commitment Notes for Students

No value

## Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
No Value	No Value	No Value	No Value

## Pre-requisites, Co-requisites, Anti-requisites and Advisories

### Prerequisite

AD ST101 - Alcohol/Drug Abuse And Dependency (in-development)

#### Objectives

- Compare and contrast various psychological, sociological, learning, and behavioral theories on the development of alcohol dependency.
- Distinguish between the effects of alcohol use, abuse, and dependency on adolescents, the elderly, women, and various ethnic and racial groups.

OR

### Co-Requisite

AD ST101 - Alcohol/Drug Abuse And Dependency (in-development)

(AD ST 101 may be taken concurrently)

**AND**

### Prerequisite

AD ST103 - Chemical Dependency: Intervention, Treatment, And Recovery (in-development)

#### Objectives

- Diagram and explain the bio-psycho-social perspective of the progression of alcohol and other drug dependencies.
- Distinguish between rudimentary skills in crisis intervention techniques, interpersonal communications, and problem solving with specific application to the alcoholic/addict and the chemically dependent family.

OR

### Co-Requisite

AD ST103 - Chemical Dependency: Intervention, Treatment, And Recovery (in-development)

(AD ST 103 may be taken concurrently)

## Entry Standards

Entry Standards

Describe the acute and chronic effects of alcohol and other drugs of abuse on the human body.

Identify the effects of alcohol dependence on various aspects of society and the family system.

Describe the dynamics of early intervention and its relationship to effective treatment and rehabilitation.

## Course Limitations

Cross Listed or Equivalent Course

Description

No value

No value

## Specifications

### Methods of Instruction

Methods of Instruction

Lecture

Methods of Instruction

Discussion

Methods of Instruction

Multimedia

### Out of Class Assignments

- Compose an essay (e.g. history of drug regulations and impacts on treatment and recovery)
- Write a term paper ( e.g. development of drug education and prevention in the United States)

### Methods of Evaluation

### Rationale

Other

Class participation

Exam/Quiz/Test

Quizzes

Exam/Quiz/Test

Midterm(s)

Exam/Quiz/Test

Final examination

### Textbook Rationale

No Value

### Textbooks

Author

Title

Publisher

Date

ISBN

Doweiko, Harold

**Other Instructional Materials (i.e. OER, handouts)**

No Value

**Materials Fee**

No value

**Learning Outcomes and Objectives**

**Course Objectives**

Demonstrate a comprehensive knowledge of the effects of alcohol and other psychogenic drugs on the brain and central nervous system.

Identify specific actions of psychogenic drugs on brain chemistry.

Distinguish between effects of alcohol and other psychogenic drugs on the cellular structure, organs, and systems of the body.

Identify the synergistic effects of alcohol combined with other psychogenic drugs.

Recognize the symptoms and behaviors typical of chemical abuse.

Explain the development of tolerance, the withdrawal syndrome, detoxification, and the use of drugs in the treatment of substance abuse.

Distinguish between age differentiated prevention techniques.

Compare the effectiveness of treatment versus legal interventions in substance abuse.

**SLOs**

**Summarize the history of alcohol and drugs and compare and contrast how it plays a role in today's society.**

Expected Outcome Performance: 70.0

*ILOs* Communicate clearly, ethically, and creatively; listen actively and engage respectfully with others; consider situational, cultural, and personal  
*Core* contexts within or across multiple modes of communication.  
*ILOs*

**Describe the specific action and effects of psycho-active drugs on the human brain and body.**

Expected Outcome Performance: 70.0

*ILOs* Communicate clearly, ethically, and creatively; listen actively and engage respectfully with others; consider situational, cultural, and personal  
*Core* contexts within or across multiple modes of communication.  
*ILOs*

<i>ILOs</i> Core ILOs	Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas.
<i>AD ST</i> Addiction Studies Counseling	Evaluation and assessment, application of case management skills, application of group and individual counseling methodologies and creating and adhering to treatment planning standards of care
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**Relate how addictive behaviors are similar to alcohol and drug addiction.**

Expected Outcome Performance: 70.0

<i>ILOs</i> Core ILOs	Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas.
	Communicate clearly, ethically, and creatively; listen actively and engage respectfully with others; consider situational, cultural, and personal contexts within or across multiple modes of communication.
<i>AD ST</i> Addiction Studies Counseling	Demonstrate the cognitive and counseling abilities necessary to integrate the counselor competencies and standards learned in a two year Alcohol/Drug Studies Counseling program, including evidence-based theory and competencies inherent in entry level alcohol/drug counselor positions
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**Course Content****Lecture Content****An Overview of Drug Use (7 hours)**

- Definitions and terminology
- Cultural changes and the pharmacologic revolution
- Contemporary drug use
- Drug addiction

**Drug Regulations (4 hours)**

- Reformism and legislation
- Regulation of pharmaceuticals
- Narcotics, dangerous drugs, and controlled substances
- State and local regulations

**The Nervous System (10 hours)**

- Chemical messengers
- Drugs and the brain
- Chemical theories of behavior

**Chemical Commodities and Drug Action (4 hours)**

- Legal and illegal drugs
- Drug identification and detection
- Specific/nonspecific drug effects
- Drug activation/deactivation
- Mechanisms of tolerance and physical dependency

**Psychoactive Drugs (18 hours)**

- Stimulants
- Depressants
- Over-the-counter drugs
- Psychotherapeutic drugs
- Narcotics
- Hallucinogens
- Marijuana and hashish
- Nicotine

**Drug Education and Prevention (4 hours)**

- Stages of prevention
- Prevention programs

**Substance Abuse Treatment (4 hours)**

- Treatment of alcoholism
- Treatment of narcotic addiction/cocaine dependence
- Alternative treatment approaches

**Drugs and Athletics (3 hours)**

- Stimulants
- Steroids and other hormonal manipulations

**Total hours: 54****Additional Information**

Is this course proposed for GCC Major or General Education Graduation requirement? If yes, indicate which requirement in the two areas provided below.

No

**GCC Major Requirements**

No Value

**GCC General Education Graduation Requirements**

No Value

**Repeatability**

Not Repeatable

**Justification (if repeatable was chosen above)**

No Value

**Resources**

Did you contact your departmental library liaison?

No

If yes, who is your departmental library liaison?

No Value

Did you contact the DEIA liaison?

No

Were there any DEIA changes made to this outline?

No Value

If yes, in what areas were these changes made:

No Value

**Will any additional resources be needed for this course? (Click all that apply)**

- No

**If additional resources are needed, add a brief description and cost in the box provided.**

No Value