

ADS 135 - Pharmacology and the Physiological Effects of Addiction Course Outline

Approval Date: 12/09/2021

Effective Date: 08/12/2022

SECTION A

Unique ID Number CCC000525417

Discipline(s) Counseling

Division

Course Description

Repeatability May be repeated 0 times

Catalog Description The course presents an overview of the physiological processes and impacts of drugs and alcohol on a person including risk factors related to addiction, acute and chronic health problems, communicable diseases, and fetal impact. Medical and pharmacological resources and appropriate community referrals are also reviewed.

Schedule Description

SECTION D

Condition on Enrollment

1a. Prerequisite(s)

HSRV 120

1b. Corequisite(s): *None*

1c. Recommended: *None*

1d. Limitation on Enrollment: *None*

SECTION E

Course Outline Information

1. Student Learning Outcomes:

- A. Identify the physiological and pharmacological effects of drugs and alcohol on the human body.
- B. Review of evidence-based treatment and prevention models for substance abuse.

2. Course Objectives: Upon completion of this course, the student will be able to

- e. Recovery
- C. Metabolic and neurological processes in alcohol and drug use
 - a. Risk factors
 - b. Screening techniques for psychoactive substance toxicity, intoxication and withdrawal symptoms
- D. Physical and psychological dependency of drug and alcohol use
 - a. Toxicity and the psychoactive effects
 - b. Intoxication
 - c. Withdrawal symptoms
 - d. Issues of tolerance
 - e. Cultural, ethnicity, age and gender factors affecting dependency issues
- E. Drug and alcohol use on perinatal women
 - a. Symptoms
 - b. Physiological effects on the fetus
 - c. Intervention strategies
- F. Service needs complex health issues
 - a. HIV/AIDS
 - b. Hepatitis
 - c. STD
 - d. Tuberculosis positive
 - e. High risk behaviors
 - f. Prevention and transmission
 - g. Resources available
 - h. Appropriate referrals
- G. Medical and pharmacological resources in substance use disorders
 - a. Literature review of interventions, including assets and liabilities of the interventions
 - b. Role of medical problems and complications in intervention and treatment
 - c. Community resources and referrals for continuum of care
 - d. Insurance and health maintenance options
 - e.

4. Methods of Instruction:

Discussion:

Lecture:

Projects:

Other: Lecture, discussion, group work, projects, scenarios, and case review. For example, a lecture on the physiological effects of drugs on the person using and misusing substances will be presented; then discussion and group work that explores the various effects on the human body.

Online Adaptation: Discussion, Group Work, Lecture

3. Methods of Evaluation: Describe the general types of evaluations for this course and provide at least two, specific examples.

Typical classroom assessment techniques

Exams/Tests --

Quizzes --

Papers --

Group Projects --

Class Participation --

Final Exam --

Mid Term --

Additional assessment information:

Grades will be based upon: A final, quizzes, writing exercises, and evaluation of case studies and vignettes.

For example:

1. Utilizing case studies, students will produce a written report that identifies the physiological and pharmacological effects of drugs and alcohol on the body, and provide appropriate referrals for treatment.
2. A multiple choice or short answer quiz covering the chapter on health issues for persons with addictions from the textbook. Students will prepare for the quiz by working in small groups to review the assigned chapter and develop a study guide with the main points of the chapter.

Letter Grade Only

A. EXAMPLES of typical college-level textbooks (for degree-applicable courses) or other print materials.

Book #1: