



Course Syllabus

Course Title
DISEASE CONTROL AND PREVENTION

Course Rubric
VNSG 1115

Course Description:

Study of the general principles of prevention of illness and disease, basic microbiology, and the maintenance of aseptic conditions.

Semester Hours Credit: 1

Lecture/Lab Hours: 1

Prerequisite: Must be enrolled in the Nursing Program or accepted as a Dual Credit High School Student.

Textbook(s):

Basic Infection Control for Health Care Providers current ed. Kenamer, M (2007), Thompson Delmar

Student Learning Outcomes:

PERFORMANCE OBJECTIVES:

Upon successful completion of this course, the student should be able to demonstrate mastery of the content with at least 75% accuracy:

Chapter 1

1. Discuss the history of infectious disease
2. Discuss the history of infection control
3. Recognize and discuss modern infection control threats
4. List three key figures in the development of modern infection control
5. Recognize and discuss infection control as a rapidly changing field

Chapter 2

1. List at least four things required by the OSHA bloodborne pathogen standard
2. Explain the importance of meeting accepted standards
3. Discuss the intent of the Ryan White CARE Act

4. Describe the role of the designated officer
5. List at least three organizations that are considered leaders in infection control issues
6. Describe reasons for learning more about infection control
7. List the components of a successful negligence lawsuit

Chapter 3

1. Differentiate between infectious and communicable disease
2. Describe at least two ways disease is spread
3. List at least four causes of infectious disease
4. List the stages of an infectious disease
5. Explain the principles of seroconversion

Chapter 4

1. Describe the function and characteristics of the immune system
2. Describe the body's defense mechanisms against infections
3. Discuss and review anatomy and physiology related to the immune system
4. Discuss the process of immune system defenses, including humoral and cell-mediated immunity

Chapter 5

1. List and describe common engineering controls and work practices
2. Discuss the importance of personal health to the health-care provider
3. Discuss the risks, benefits, and side effects of the hepatitis B vaccine
4. List the vaccines recommended for health care providers by the CDC
5. Discuss the proper disposal of contaminated supplies
6. Demonstrate the cleaning and disinfection of patient care area
7. Demonstrate the cleaning and disinfection of patient care equipment
8. Demonstrate proper use of personal protective equipment
9. Demonstrate proper hand washing technique
10. List the three levels of the Spaulding Classification System
11. Explain the difference between cleaning, disinfecting, and sterilizing
12. Define Health care-associated and nosocomial infections
13. List and describe three sources of nosocomial infections
14. List strategies to prevent nosocomial infections

Chapter 6

1. Describe how biological agents have historically been used in warfare and terrorism
2. Differentiate between biological terrorism and biological warfare
3. Describe the advantages and disadvantages of using biological agents as weapons
4. Differentiate between Category A, B, and C agents
5. List six Category A agents
6. List and describe the four components required to make an agent a respirable aerosol
7. Explain how to kill most foodborne pathogens
8. Explain how to kill most waterborne pathogens
9. Describe the health care provider's greatest priority in a bioterrorism incident

Chapter 7

1. Recognize a potential exposure to communicable disease
2. List six components normally required for an exposure to take place
3. Discuss two questions health care providers may ask themselves to determine the likelihood of exposure to communicable disease

Chapter 8

1. Identify where written post exposure protocols are found in his/her place of employment
2. List the steps that should be taken after an exposure
3. Understand that confidential medical records must be maintained for exposure incidents
4. Understand how to access outside assistance in dealing with post exposure follow-up
5. Discuss why exposure may be stressful
6. List at least three ways to reduce stress

Evaluation Methods:

1. On line Lecture
2. Visual Aids
3. Group discussions
4. Web Tutoring
5. Tutoring own campus

EVALUATION METHOD: (GRADING CRITERIA)

1. Written Examination(s) – Chapter Tests are 40% of final grades
2. The Final examination(Proctored) – is 40% of the final grade
3. Projects/Assignments is 20% of the final grade
4. A final grade of 75 is required at end of semester to pass the course.

Student Responsibility

Special note: Please inform if you have a disability and need accommodations for this class.

Expectations for students and instructor conduct: The students and instructor will adhere to all policies and procedures of Coastal Bend College.

Professional behavior is expected of all employees entering the work field. Students will be expected to demonstrate professional behavior by being respectful of others in the course, attending all classes, and actively participating in this learning opportunity.

Students are responsible for all assignments and material covered in their absence.

Assignments: See course schedule of individual instructor.

Professional honesty is a required component of the nursing practice and is expected of each nursing student. Each student is accountable for his/her own learning experience.

Authenticated incidence of academic dishonesty is grounds for failure. Students are referred to Coastal Bend College and Nursing Student Handbook. The obligation of the student is to demonstrate proficiency while meeting the requirements for this course.

ADA Statement: No qualified individual with a disability shall, by reason of such disability, be excluded from participation in or be denied the benefits of the services, programs, or activities of the College District, or be subjected to discrimination by the College District. Nor shall the College District exclude or otherwise deny equal services, programs, or activities to an individual because of the known disability of an individual with whom the individual is known to have a relationship or association. 42 U.S.C. 12132; 28 CFR 35.130(g).

See at: [GL \(Legal\)](#)

Special Needs Services: Students with special needs, including physical and learning disabilities, who wish to request accommodations in this course should contact the Student Development Office as soon as possible to make arrangements; this should occur no later than the second week of class or as soon as the student has the documentation on the disability and requested accommodation per a certified medical or psychological professional. In accordance with federal law, a student requesting accommodations must provide documentation of disability to the Student Development Advisor.

For more information, contact: in Alice at sdalice@coastalbend.edu; Beeville at sdbeeville@coastalbend.edu; Kingsville at sdkingsville@coastalbend.edu; and Pleasanton at sdpleasanton@coastalbend.edu.

Academic Dishonesty: Each student is charged with notice and knowledge of the contents and provisions of Coastal Bend College's rules and regulations concerning student conduct. All students shall obey the law, show respect for properly constituted authority, and observe correct standards of conduct. Scholastic dishonesty shall constitute a violation of these rules and regulations and is punishable as prescribed by Coastal Bend College Policies FLB (Local) and FM (Local). Scholastic dishonesty shall include, but not be limited to, cheating on a test, plagiarism, and collusion.

See at: [FLB \(Local\)](#) and [FM \(Local\)](#).

See the [Student Handbook](#) for further explanation of Scholastic Dishonesty.

Copyright Law and Intellectual Property Rights Policy: Copyright is the right of an author, artist, composer or other creator of a work of authorship to control the use of his or her work by others. Protection extends to literary works, musical works, dramatic works, pantomimes and choreographic works, pictorial and graphic works, sculpture, motion pictures and other audiovisual works, sound recordings and architectural works. Generally speaking, a copyrighted work



may not be reproduced by others without the copyright owner's permission. The public display or performance of copyrighted works is similarly restricted. Generally, the unauthorized reproduction, performance or distribution of a copyrighted work is copyright infringement and may subject the infringer to civil and criminal penalties. The Fair Use Doctrine outlines exceptions to this Law and is outlined in Coastal Bend College Policy, [CT \(Legal\)](#).

Coastal Bend College, its faculty, students and employees must comply with Copyright Law. Detailed information on Copyright Law and Intellectual Property Rights is available in Coastal Bend College Policy [CT \(Legal\)](#) and [CT \(Local\)](#).

Questions regarding this information should be directed to the Director of Library Services at: library@coastalbend.edu or the Office of Marketing and Public Relations at: socialmedia@coastalbend.edu.

Intellectual Property: Student /Third Party Works: Rights to copyrightable or patentable works created by a student or a third party, that is, not a College District employee, shall reside with the author/ creator. Detailed information on Copyright Law and Intellectual Property Rights is available in Coastal Bend College Policy [CT \(Legal\)](#) and [CT \(Local\)](#).

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NOTE: The College website (www.coastalbend.edu) serves as the main source with the most current version of the Coastal Bend College Board Policies and the Coastal Bend College Catalog.