

COURSE OUTLINE

COMMUNICABLE DISEASES& IMMUNIZATION

Course Title

CPH 242

Dept. & Course No.

I. COURSE DESCRIPTION:

This course introduces basic concepts relevant to Communicable Diseases, their causative agents, transmission, prevention and control. Emphasis is placed on the value of early case detection and surveillance; investigation of suspect reports, and protection of the susceptible population.

II. SEMESTER CREDITS :3

III. CONTACT HOURS PERWEEK: Lecture: 3 Lab: 0 Total: 3

IV. PREREQUISITE: CPH 121

V. STUDENT LEARNING OUTCOMES: VI. COURSE CONTENTS:

Upon completion of this course the student will be able, with 65% level of accuracy, to:

1. Describe the basic principles underlying Communicable Diseases.
 2. Describe and discuss the various causative agents of infectious diseases, their transmission and prevention, and options for control.
 3. Identify and discuss options available for community-wide prevention and control interventions.
- A. Infection, carriage, susceptibility and resistance in Communicable Diseases.
 1. Definitions and concepts
 2. Diagnostic options and confirmation of reported cases
 3. Susceptibility, immunity and resistance in Communicable Diseases.
 - B. Different categories of infectious agents and related characteristics
 1. Bacterial infections
 2. Viral infections
 3. Parasitic infections
 4. Fungal infections and others
 - C. Prevention and control of Communicable Diseases in communities
 1. Immunization
 2. Chemoprophylaxis
 3. Isolation

4. Discuss the procedures in mass vaccination campaigns, including recording and reporting.

- D. Mass vaccination campaigns and their procedures
 1. Target populations selection
 2. Organization of field work
 3. Records and reports on the outcomes

VII. EQUIPMENT AND MATERIALS:

1. Projector
2. Routine classroom materials
3. 1 USB storage device (at least 1 GB)—student-furnished

VIII. TEXT:

Required Text: Instructor-made handout

IX. METHODS OF INSTRUCTION:

1. Problem – Based Learning [PBL]
2. Group work with tutor guidance
3. Self-learning from identified resources
4. Group reporting and consolidation of outcomes
5. Questions and Answers (Discussion)

X. METHOD OF EVALUATION:

1. Description	Points
a. Class participation & presentations	50%
b. Unit Tests/Quizzes	<u>50%</u>
Total	100%

2. Transmutation of percent to letter grade
 - a. 90-100 A
 - b. 80-89 B
 - c. 70-79 C
 - d. 65-69 D
 - e. 0-64 F

**Palau Community College
CPH 242 Communicable Diseases
Course Learning Outcomes**

During the course experience, the *course learning outcomes* (CLOs) will be assessed through the use of signature assignments. A rating scale will be used to determine the students' proficiency level of each CLO using specifically aligned assignments. The numerical ratings of 4, 3, 2 and 1 are not intended to represent the traditional school grading system of A, B, C, D and F. The descriptions associated with each of the numbers focus on the level of student performance for each of the course learning outcomes listed below.

- Rating Scale:
4. Exceeds Expectations
 3. Meets Expectations
 2. Developing
 1. Below Expectations

CLO#1: Students will be able to describe the basic principles underlying communicable diseases in man.

4	Perform all of the following tasks accurately and completely: <ul style="list-style-type: none"> • Describe the similarities and differences between Communicable and Non-Communicable Diseases. • Describe the different modes of transmission of infectious agents. • Define the state of susceptibility, resistance, infection, and carrier. • Describe the role of the environment in the infectious disease process.
3	Perform the tasks mentioned above with mixed quality, but most are adequate and complete.
2	Perform the tasks mentioned above with mixed quality, but most are inadequate or incomplete.
1	Unable to perform the tasks mentioned above.

CLO#2: Students will be able to describe and explain case definitions in communicable diseases.

4	Perform all of the following tasks accurately and completely: <ul style="list-style-type: none"> • Describe actions and approaches required when responding to Communicable Diseases report • Explain diagnostic steps suitable to ascertain suspicion, probability and confirmation of Communicable Diseases cases. • Describe the role of laboratories in Communicable Disease case confirmation • Explain field specimens' collection, handling and forwarding to laboratories, both for humans as well as environmental samples
3	Perform the tasks mentioned above with mixed quality, but most are adequate and complete.
2	Perform the tasks mentioned above with mixed quality, but most are inadequate or incomplete.
1	Unable to perform the tasks mentioned above.

CLO#3: Student will be able to define and describe the different categories of infectious agents in communicable diseases.

4	Perform all of the following tasks accurately and completely: <ul style="list-style-type: none"> • Define and describe the most frequent bacterial infectious agents. • Define and describe the most frequent viral infectious agents. • Define and describe the most frequent parasitic infectious agents. • Define and describe the most frequent fungal infectious agents.
3	Perform the tasks mentioned above with mixed quality, but most are adequate and complete.
2	Perform the tasks mentioned above with mixed quality, but most are inadequate or incomplete.
1	Unable to perform the tasks mentioned above.

CLO#4: Student will be able to define, describe and discuss the most frequent communicable diseases prevention and methods, and their effectiveness.

4	Perform all of the following tasks accurately and completely: <ul style="list-style-type: none"> • Describe and discuss immunization as a method for Communicable Diseases prevention and control. • Describe and discuss the value of mass immunization for Communicable Diseases prevention and control. • Define, describe and discuss the pros and cons of chemoprophylaxis in Communicable Diseases prevention and control. • Define and discuss the value of population screening to justify preventative measures in Communicable Diseases prevention and control.
3	Perform the tasks mentioned above with mixed quality, but most are adequate and complete.
2	Perform the tasks mentioned above with mixed quality, but most are inadequate or incomplete.
1	Unable to perform the tasks mentioned above.

CLO#5: Student will be able to describe the procedures in mass vaccination campaigns, including recording and reporting.

4	Perform all of the following tasks accurately and completely <ul style="list-style-type: none"> • Explain the procedural steps in setting up a mass vaccination campaign • Describe the criteria for the selection of the "target population" • Describe the best practices and techniques for the organization of field work • Explain the importance of proper record keeping and report accomplishing
3	Perform the tasks mentioned above with mixed quality, but most are adequate and complete.
2	Perform the tasks mentioned above with mixed quality, but most are inadequate or incomplete.
1	Unable to perform the tasks mentioned above.