

COURSE OUTLINE

Internship  
Course title

AC 223  
Dept. & Course No.

**I. COURSE DESCRIPTION:** This course provides students practical training in the field of air conditioning and refrigeration. With the assistance of an instructor coordinator, the student is assigned to work under a supervisor in a governmental department or a private firm in order to learn through an actual work experience.

II. SEMESTER CREDITS: 4

III. CONTACT HOURS PER WEEK:     0                     12                     12  
  Lecture                     Lab                     Total

IV. PREREQUISITE: Program completion evaluation

V. STUDENT LEARNING OUTCOMES:

IV. COURSE CONTENT

Upon the completion of the training, the student will be able, with 65% accuracy, to:

1. Demonstrate proper employee behaviors and work habits

A. Behavior/Work Habits

1. Punctuality
2. Attitude
3. Dependability
4. Honesty
5. Personal Hygiene
6. Interpersonal Relations

2. Perform air conditioning and refrigeration tasks as assigned by the site supervisor.

B. Task Application

VII. MATERIALS AND EQUIPMENT:

Will be provided by the site supervisor where applicable

VIII. TEXTS AND REFERENCES: None

IX. METHOD OF INSTRUCTION:

Students will perform assigned air conditioning and refrigeration tasks under the supervision and training of a designated site supervisor.

X. METHOD OF EVALUATION:

The student will be evaluated based on the internship training rating sheet.

The transmutation of percent to letter grade is as follows:

90-100%.....	A
80-89%.....	B
70-79%.....	C
65-69%.....	D
0-64%.....	F

**Palau Community College**  
**Course Learning Outcomes**  
**AC 223 Internship**

During the course experience, the **course learning outcomes** (CLO) 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 rating 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 outcome listed below.

**Course Learning Outcome 1: Demonstrate proper employee behaviors and work habits.**

<b>Punctuality</b>	4	Always (100% of the time)	2	Occasionally (75% to 89% of the time)
	3	Almost always (90% of the time)	1	Seldom (below 75% of the time)
<b>Attitude</b>	4	Always (100% of the time)	2	Occasionally (75% to 89% of the time)
	3	Almost always (90% of the time)	1	Seldom (below 75% of the time)
<b>Dependability</b>	4	Always (100% of the time)	2	Occasionally (75% to 89% of the time)
	3	Almost always (90% of the time)	1	Seldom (below 75% of the time)
<b>Honesty</b>	4	Always (100% of the time)	2	Occasionally (75% to 89% of the time)
	3	Almost always (90% of the time)	1	Seldom (below 75% of the time)
<b>Personal Hygiene</b>	4	Always (100% of the time)	2	Occasionally (75% to 89% of the time)
	3	Almost always (90% of the time)	1	Seldom (below 75% of the time)
<b>Interpersonal Relations</b>	4	Always (100% of the time)	2	Occasionally (75% to 89% of the time)
	3	Almost always (90% of the time)	1	Seldom (below 75% of the time)

**Course Learning Outcome 2: Perform air conditioning and refrigeration tasks as assigned by a site supervisor.**

<b>Task/Activity Name</b>	<b>Rating Scale</b>			
<b>1.</b>	4	Outstanding (performs tasks / activities without assistance)	2	Developing (performs tasks / activities with regular assistance)
	3	Proficient (performs tasks / activities with minimal assistance)	1	Emerging (unable to perform tasks / activities even with regular assistance)
<b>2.</b>	4	Outstanding (performs tasks / activities without assistance)	2	Developing (performs tasks / activities with regular assistance)
	3	Proficient (performs tasks / activities with minimal assistance)	1	Emerging (unable to perform tasks / activities even with regular assistance)
<b>3.</b>	4	Outstanding (performs tasks / activities without assistance)	2	Developing (performs tasks / activities with regular assistance)
	3	Proficient (performs tasks / activities with minimal assistance)	1	Emerging (unable to perform tasks / activities even with regular assistance)
<b>4.</b>	4	Outstanding (performs tasks / activities without assistance)	2	Developing (performs tasks / activities with regular assistance)
	3	Proficient (performs tasks / activities with minimal assistance)	1	Emerging (unable to perform tasks / activities even with regular assistance)
<b>5.</b>	4	Outstanding (performs tasks / activities without assistance)	2	Developing (performs tasks / activities with regular assistance)
		Proficient (performs tasks /		Emerging (unable to perform tasks /

	3	activities with minimal assistance)	1	activities even with regular assistance)
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**Palau Community College  
Internship Training Rating Sheet**

Student's Name: \_\_\_\_\_ Major: \_\_\_\_\_ Position: \_\_\_\_\_  
 Employer: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Evaluator: \_\_\_\_\_ Duration of Training: (From) \_\_\_\_\_ (To) \_\_\_\_\_

Employer's evaluation of student's internship training performance:

Rating Scale: 4 – Excellent (A) 3 – Above Average (B) 2 – Average (C) 1 – Below Average (D) 0 – Poor (F)

Behavior/Work Habit	4	3	2	1	0	Comments (Strengths or areas that needs improvements)
1. Punctuality						
2. Attitude						
3. Dependability						
4. Honesty						
5. Personal Hygiene						
6. Interpersonal Relations						
Task/Activity Name (List all tasks/activities performed by the student during the internship period with your rating. Comments should be provided for each task.)	4	3	2	1	0	Comments (Strengths or areas that needs improvements)
1.						
2.						
3.						
4.						
5.						

Final Grade: \_\_\_\_\_

Evaluator: \_\_\_\_\_

Signature and Date

**PALAU COMMUNITY COLLEGE  
INTERNSHIP TRAINING PROGRAM  
PROGRAM EXPECTATIONS**

**Site Supervisor (Evaluator):** The site supervisor acts as the lead instructor. As such, it is his/her responsibility to assign tasks that are related to the student's major and to supervise as necessary such tasks. The level of supervision will depend on the task and the student's proficiency in that area. Tasks are to be recorded on the Internship Rating Sheet and the student will be rated according to the proficiency level he/she performed at during the time the student worked on such task. Comments should be provided for each completed task. Should there be any problems/concerns with the performance of the student intern, the site supervisor should contact and meet with the internship coordinator as soon as possible. A final grade will be given by the site supervisor based on the task ratings that the student earned through his or her performance of said tasks.

**Student Intern:** The student's responsibility as an intern is to successfully perform the necessary number of hours needed to complete the course requirement. As such, this student should have the attitude that this is his/her opportunity to practice his/her program learned skills in a work environment. He/she should perform the assigned tasks to the best of his/her ability, ask questions when necessary and seek assistance when needed. Should there be any problems/concerns with the site supervisor, the student intern should contact and meet with the internship coordinator as soon as possible.

**Internship Coordinator:** The internship coordinator is the liaison officer between the student and the site supervisor. It is his/her responsibility to place the student in an appropriate site location that best fits the student's program. In addition, the internship coordinator will conduct at least four (4) site visits during the internship duration. Any problems/concerns from either the site supervisor or student intern will be handled by the internship coordinator. In addition, the internship coordinator will be responsible for the assessments of both the course and the student. Assessment and grading will be based on the site supervisor's ratings and comments. The internship coordinator will submit both the final grade and the course assessment to the proper personnel.

## INTERNSHIP SUGGESTED TASK LIST

- A. Perform basic electrical work.
  - 1. Prepare electrical tools and test instruments.
  - 2. Test power supply and electrical components.
  - 3. Perform basic electrical repairs.
  
- B. b. Install window type air conditioning, split type, package type and domestic refrigeration units
  - 1. Interpret work instructions
  - 2. Prepare cavity for installation
  - 3. Perform cavity work
  - 4. Install unit
  
- C. Service and maintain window type air conditioning and domestic refrigeration units.
  - 1. Clean air filter
  - 2. Clean evaporator/ condenser.
  - 3. Maintain motor and blades
  - 4. Service electrical control/wiring
  - 5. Repair refrigerant circuit
  
- D. Perform testing and commissioning window type air conditioning and domestic refrigeration systems.
  - 1. Prepare for commissioning refrigeration and air conditioning systems
  - 2. Assess refrigeration and air conditioning system operation.
  - 3. Recover, reclaim and recycle refrigerant from refrigeration and air conditioning system.