

College of Micronesia-FSM

**College of Micronesia – FSM
Course Modification Request**

VEM212 National Electrical Code
Course Number and Title

Technology and Trade
Department

Same as above
Recommended Course Number and Title

Same as above
Department

New Course Objectives:
No change

New Course Description:
No change

New Course Number: VEM212

Justification for Revising the Course:

The course outline is revised to convert it from content base to SLO base.

Signed by Bernardo Dimaliwat

10-11-04 Date

1/28/2005

**College of Micronesia – FSM
P.O.Box 159
Kolonia, Pohnpei**

Course Outline Cover Page

NATIONAL ELECTRICAL CODE
Course Title

NEC 212
Department and Number

Course Description: This course is designed to introduce students to the National Electrical Code. The students will develop the skills in using the code to find specific articles related to the correct methods of installing wiring and equipment. The course aims at developing work practices that comply with the National Electrical Code.

Prepared by: Grilly Jack

State: Pohnpei Campus

Assessment Method

Assessment may involve any of the following methods

- Oral questioning
- Written tests
- Individual written assignments
- Active participation in group activity

Learning Outcome 2:

Describe the structure of the National Electrical Code Book.

Assessment Criteria:

- a. Describe types of Rules.
- b. Introduce the NEC Book.
- c. Describe the body of the codebook.
- e. Describe the references.

All work practices must ensure that safe practices are adopted.

Conditions

Working in groups given:

- Resources
- Verbal presentation to the group of learners

Assessment Method

- **Assessment may involve any of the following methods**
- **Oral questioning**
- **Written tests**
- **Individual written assignments**
- **Active participation in group activity**

Learning Outcome 3:

Define NEC Definitions

Assessment Criteria:

- a. Describe article 100 in the NEC Book.
- b. Describe Labeled items in the NEC Book.
- c. Describe Listed items in the NEC Book.

All work practices must ensure that safe practices are adopted.

Conditions

Working in groups given:

- Resources
- Verbal presentation to the group of learners

Assessment Method

Assessment may involve any of the following methods

- Oral questioning
- Written tests
- Individual written assignments
- Active participation in group activity

Learning Outcome 4

- Describe the organization of the NEC Book.

Assessment Criteria

- a. describe the wiring and protection sector of the code.
- b. Describe the Branch circuit sector of the codebook.
- c. Describe the multi-wire circuit in the codebook.

All work practices must ensure that safe practices are adopted.

Conditions

Working in groups given:

- Resources
- Verbal presentation to the group of learners

Assessment Method

Assessment may involve any of the following methods

- Oral questioning
- Written tests
- Computer managed testing
- Individual written assignments
- Active participation in group activity

Learning Outcome 5

Demonstrate navigating through the NEC book,

Assessment Criteria:

- a. Become familiarized with various sectors in the Codebook
- b. Able to locate general and various topics and applications in the codebook
- c. Able to locate specific items and applications in the codebook

All work practices must ensure that safe practices are adopted.

Conditions

Working in groups given:

- Resources
- Verbal presentation to the group of learners

Assessment Method

Assessment may involve any of the following methods

- Oral questioning
- Experiments
- Computer managed testing

- Drawing Exercise
- Computer drawing program

Learning Outcome 6: Identify the roles of other Organizations.

- Assessment Criteria:**
- Describe the Testing Laboratories involved in developing the codebook.
 - Describe the Manufacturer's Associations involved in developing the codebook.

All work practices must ensure that safe practices are adopted:

Conditions Working in groups given:

- Resources
- Verbal presentation to the group of learners

- Assessment Method**
- Assessment may involve any of the following methods
 - Oral questioning
 - Written tests

Required Course Materials:

1. Instructor:

- Laboratory equipment with tools of the trade
- Text; Text(s); NCCER, Electrical Level One, Annotated Trainee Guide, Prentice Hall Upper Saddle, New Jersey, Columbus, Ohio.
- Teacher's Resource Guide, workbook
- Overhead projector, transparencies

2. Student:

- Text(s), NCCER; Electrical Level One, Trainee Guide, Prentice Hall Upper Saddle, New Jersey, Columbus, Ohio.
- Ring binder
- College ruled note sheet, pencil or pen
- Scientific calculator

Reference Materials:

Method of Instruction:

- Lecture
- Discussion
- Group Exercises.

Evaluation:

Final Grade for this course will be based on meeting the course requirements at the following Percentage rates:

96%-100% A - Superior

90%-95%	B - Above Average
80%-89%	C - Average
69%-79%	D - Below Average
0 % -69%	F - Failure

Attendance:

The COM-FSM attendance policy will apply.

STUDENTS SHOULD BE MADE AWARE OF OCCUPATIONAL HEALTH AND SAFETY ISSUES IN ALL SITUATIONS AND BE EXPECTED TO DEMONSTRATE SAFE WORKING PRACTICES AT ALL TIMES.-