COUSE LEVEL ASSESTMENT REPORT

 AGRICULTURE/NATUARL RESOURCE MANAGEMENT PROGRAM

AG 110 Spring Semester 2012, 30 students

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| Student Learning Outcomes | Program Student Learning Outcomes | I, D, M | Comments |
| 1.1Describe how agriculture is interrelated with other fields of study | Acquire fundamental concepts and principles of agriculture and natural resource management | Introduced, Demonstrated  | Some of the field of studies were introduced and demonstrated in the field.  |
| 2.1 Describe how to produce food in a sustaianable manner | Demonstrate basic competencies in the management of land resources and food production | ID,  | Using low input fertilizer, and using mulching practices on vegetables  |
| 2.2 Identify common agricultural practices that pose risk to man and his environment | Acquire basic skills, knowledge and attitude to manage a sustainable food production enterprise | I,D | Application of Malathion, on certain vegetables, they have to know the withdrawl time, and the rate of applications, vegetables were graded and sold to the cafeteria |
| 2.3 List and describe the functions of the four main plant systems 2.4 Recognize the plant anatomy and physiology of most tropical plants. | Acquire a scientific background that will allowed transfer to a higher degree program | I,D,M | Evaluate the students field assignments and their write-up |
| 3 .1 Describe the difference between clay, silt, and loam | Demonstrate basic competencies in the management of land resources and food production | I,D | Field exercises to observe the soil profiles around campus. |
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| 3.2 What is meant by the pH value of soil | Acquire fundamental concept and principles of agriculture and natural resources focusing on development and production in a sustainable manner | I,D | 75% of students did the lab by reading the availability of elements in different range of soil pH |
| 4.1 Demonstrate the proper application of a rooting hormone to plant cutting | Acquire fundamental concept and principles of agriculture and natural resources focusing on development and production in a sustainable manner | I,D | Gibberellins, and rootone were used by the student in the field to monitor plant growth. |
| 4.2 Differentiate between indirect and direct seeding methods | Demonstrate basic competencies in the management of land resources and food production | I,D, M | Students who completed Ag101 master this seeding methods in both field and nursery  |
| 5.1 list five reasons for grafting. | Demonstrate basic competencies in the management of land resources and food production | I,D,M | 85% of the students give the correct answers for the reasons why we do grafting |
| 6.1Outline a pest control program, explain when biological control should be used and at what point chemical should be used | Acquire fundamental concept and principles of agriculture and natural resources focusing on development and production in a sustainable manner | I,D | Each student have one collection of common insects on Pohnpei, And present their control measures. |

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| 7.1 Explain the relationship between the life cycle of insects and timing of insecticide application | Demonstrate basic competencies in the management of land resources and food production | I,D,M | Test were given in the field to observe symptoms of insects and the right timing for spraying insecticidesl |
| 7.2 Identify fungus diseases, | Demonstrate the main differences between bacteria, fungus , insect and nematodes | I,d, | About 65% of the students can identify some of symptoms, sometimes the symptoms are similar |
| 8.1 using organic materials, such as compost, to reduce the need for commercial fertilizers. | Calculate the amount of organic and inorganic fertilizer use  | I, d | Tests, and quizzes |
| Additional Observation= the move to make this course to 4 credits help the demonstrations of the class room theories more relevant to the students |  |  |  |
| Special Comments.3 students got A6 with B’s15 with C’s 4 with D’sThere were few students submitted their unit assignments. |  |  |  |