

Institutional Learning Outcomes (ILO's)

1. communicate effectively
2. employ critical thinking [*& problem solving*]
3. possess specific knowledge and skills in a major discipline or professional program of study
4. take responsibility and develop skills for learning
5. interact responsibly with people, cultures, and their environment

Program Learning Outcomes (PLO's)

1. Practice safety and occupational health procedures in the workplace.
2. Use electronics tools and test equipment competently.
3. Interpret schematic diagrams and waveforms.
4. Build electronics projects to a given specification.

SLO#	PLO	I, D, M	ILO	Reflection/Comment
SLO#1 Identify common tools and materials in soldering/desoldering techniques.	2	I (introduced level)	3, 4	12 out of 15 students got the passing mark. 86% was achieved by the students in this SLO.
SLO#2 Describe the proper soldering/desoldering procedure using printed circuit board (PCB).	2, 3	I,D (introduced and demonstrate level)	3, 4	10 out of 15 students got the passing mark. 71% was achieved by the students in this SLO.
SLO#3 Differentiate standard solder link and cold solder link.	2, 3	I,D (introduced level)	3, 4	10 out of 15 students got the passing mark. 71% was achieved by the students in this SLO.
SLO#4 Perform soldering and desoldering of electronic circuits.	1, 2, 3	D, M (demonstrate and mastery level)	3, 4	14 out of 15 students got the passing mark. 93% was achieved by the students in this SLO.
SLO#5 Demonstrate the correct method of terminating connectors in electronics.	1, 2	D, M (demonstrate and mastery level)	3,4	15 out of 15 students got the passing mark. 100% was achieved by the students in this SLO.

SLO#6 Describe the characteristics and procedures in making good wire wrap connections.	1, 2	D, M (demonstrate and mastery level)	3,4	14 out of 15 students got the passing mark. 93% was achieved by the students in this SLO.
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Additional observations: In reference with the data presented above, high percentage showed students are interested in combining theoretical and hands-on activities.

Special comments: This assessment focuses on the theory and lab exercises that our students learned. Data showed that SLO's with laboratory rates a low marks due to insufficient lab equipment per class. Numbers of students shown are base on 1 group. Once the students perform the given task, we can then recommend them either Pass or Failed.

FINAL GRADES:

A = 2
B = 6
C = 4
D = 0
F = 3

Recommendations: Soldering tools must be sufficiently provided so that lab exercises will be well performed by the students. Student tool kits should be ordered earlier and distributed to them at least on the 2nd week of the semester. It is also suggested that at least a maximum of 15 students per class must be followed to accommodate them properly specially during their activities.

Please check or (x) which of the following were assessed in this course:

Institutional Learning Outcomes:

COM-FSM graduates will demonstrate that they can:

- a. communicate effectively
- b. employs critical thinking (& *problem solving*)
- c. possess specific knowledge and skills in a major discipline or professional program of study
- d. takes responsibility and develops skills for learning
- e. interact responsibly with people, cultures, and their environment

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