

Review of Performance: VEE 100 Soldering and Mech. Termination
 Submitted by: Cirilo Recana

No. of Student: 20
 Semesters: Fall 2014

Institutional Learning Outcomes (ILO's)

1. Effective oral communication
2. Effective written communication
3. **Critical thinking**
4. Problem solving
5. Intercultural knowledge and competence
6. Information literacy
7. **Foundations and skills for life-long learning**
8. Quantitative reasoning

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, 7	19 out of 20 students got the passing mark. 95% was achieved by the students in this SLO.
SLO#2 Describe the proper soldering/desoldering procedure using printed circuit board (PCB).	1, 2	I,D (introduced and demonstrate level)	3, 7	19 out of 20 students got the passing mark. 95% was achieved by the students in this SLO.
SLO#3 Differentiate standard solder link and cold solder link.	2	I,D (introduced level)	3, 7	20 out of 20 students got the passing mark. 100% was achieved by the students in this SLO.
SLO#4 Perform soldering and desoldering of electronic circuits.	1, 2, 4	D, M (demonstrate and mastery level)	3, 7	18 out of 20 students got the passing mark. 90% was achieved by the students in this SLO.
SLO#5	1, 2, 4	D, M	3, 7	19 out of 20 students got the passing

Demonstrate the correct method of terminating connectors in electronics.		(demonstrate and mastery level)		mark. 95% was achieved by the students in this SLO.
SLO#6 Describe the characteristics and procedures in making good wire wrap connections.	1, 2, 4	D, M (demonstrate and mastery level)	3, 7	18 out of 20 students got the passing mark. 90% was achieved by the students in this SLO.

FINAL GRADES:

- A = 5
- B = 8
- C = 6
- D = 0
- F = 1

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.

Signature: **Cirilo B. Recana**
Electrical Instructor

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