

Review of Performance: VTE 270 Telecommunication Systems Spring 2017, (12 students, 11 males 1 female)
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Institutional Student Learning Outcomes (ISLO):

- ILO1:** Effective oral communication.
- ILO2:** Effective written communication.
- ILO3:** Critical Thinking
- ILO4:** Problem Solving
- ILO5:** Inter-cultural knowledge and competence.
- ILO6:** Information literacy.
- ILO7:** Foundations and skills for life-long learning.
- ILO8:** Quantitative reasoning.

Program Learning Outcomes (PLO)

- PLO1:** Practice Safety and occupational health procedures in the workplace.
- PLO2:** Use electronic tools and test equipment competently.
- PLO3:** Interpret schematic diagrams and waveforms.
- PLO4:** Build electronic projects to a given specification.
- PLO5:** Practice a career in the Telecom Industry.
- PLO6:** Troubleshoot microwave, fiber optics, radio communication and telephone system.

SLO#	Program SLO#	I, D, M	ISLO	Reflection/Comment	
1. Describe the basic fundamentals of a telecom system.	Interpret schematic diagrams and waveforms.	D	7	Course Result	SLO was assessed by written test questions using the assessment criteria as stated in the course outline. Students are more interested to see the actual telecommunication system in actual application. 12 (11 male & 1 female) out of 12 students (100%) completed the CSLO.
				Target Met	Yes

				Students need more time in hands-on and other practical procedure to reach mastery level performance.	
2. Describe the various types of connection links used by industry for telecommunication system worldwide.	Interpret schematic diagrams and waveforms.	D	7	Course Result	SLO was assessed using hands-on experiment and written test questions using the assessment criteria as stated in the course outline. Students are more interested when they saw and touch the actual connection link used in telecommunication. 9 (8 male & 1 female) out of 12 students (75%) completed the CSLO.
				Target Met	Yes
				Students need more time in hands-on and other practical procedure to reach mastery level performance.	
3. Describe the common switching operations found in the telecommunications industry.	Interpret schematic diagrams and waveforms.	M	7	Course Result	SLO was assessed using hands-on experiment and written test questions using the assessment criteria as stated in the course outline. 11 (10 male & 1 female) out of 12 students (91.7%) completed the CSLO.
				Target Met	Yes
				Students need more time in hands-on and other practical procedure to reach mastery level performance.	
4. Describe the different types of broadcast systems commonly used in industry and government.	Interpret schematic diagrams and waveforms.	M	7	Course Result	SLO was assessed by written test questions using the assessment criteria as stated in the course outline. 10 (9 male & 1 female) out of 12 students (83.3%) completed the CSLO.
				Target Met	Yes

				Students need more time in hands-on and other practical procedure to reach mastery level performance.	
5. Define spread spectrum modulation and describe its general purpose and its application.	Interpret schematic diagrams and waveforms.	M	7	Course Result	SLO was assessed using hands-on experiment and written test questions using the assessment criteria as stated in the course outline. Students were able to describe how multiple signals can be sent in one communication medium. 12 (11 male & 1 female) out of 12 students (100%) completed the CSLO.
				Target Met	Yes
				Students need more time in hands-on and other practical procedure to reach mastery level performance.	
6. Describe the basic operating principles of wired, wireless computer network and satellite system.	Interpret schematic diagrams and waveforms.	M	7	Course Result	SLO was assessed using hands-on experiment and written test questions using the assessment criteria as stated in the course outline. Students understood the different topology and hardware in computer and communication network. 12 (11 male & 1 female) out of 12 students (100%) completed the CSLO.
				Target Met	Yes
				Students need more time in hands-on and other practical procedure to reach mastery level performance.	

Special comments: 12 out of 12 (11 males 1 female) or 100% of the students got a grade of C and higher.

Summary of Grades:

A+	=	0
A	=	0
A-	=	3
B+	=	5
B	=	4
B-	=	0
C+	=	0
C	=	0
C-	=	0
F	=	0

Recommendations Annual visit to telecommunications partners is necessary for the students to fully understand the actual devices functions, connections and actual operations in the field.

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