# Communication Theory

*08/23/2022*

## Program/Course Assessment - Electronic Engineering Technology (AS)

### ELET245N:Communication Theory

| Course Competencies | Assessment Methods | Results | Use of Results |
|---|---|---|---|
| **1. Electronic Communications -** Understand the basics of Electronic Communications and Digital Communications.<br>**Course Competency Status:** Active<br>**Assessment Cycles:** 2017 - 2018 (Spring), 2021-2022 (Spring) | **Series of Assignments -** Exam(s), in addition to Laboratory Assignment(s) and Homework Assignment(s) contribute to assessing student performance for this point of learning (POL)<br>**\*Criterion:** Average of POL for all students >= 7.0 out of 10.0 | **Reporting Period:** 2021-2022 (Spring)<br>**Result Type:** Criteria Not Met<br>Average of POL for all students = 4.87 out of 10.00 (06/07/2022)<br>**Total # of Students Assessed:** 3<br>**Related Documents:**<br>ELET245N Section 1 Assessment Spring 2022.docx<br>ELET245N Section 1 Grades Spring 2022.xlsx<br>EET Assessment Report 5-31-22.docx | **Use of Results:** See "Related Documents" under Results for more information. (06/08/2022) |
| | | **Reporting Period:** 2017 - 2018<br>**Result Type:** Criteria Met<br>Average of POL for all students = 8.60 out of 10.00 (08/10/2018)<br>**Total # of Students Assessed:** 9<br>**Related Documents:**<br>ELET245N-A_S2018_Assessment.docx<br>ELET241N-1_Grades-Spring2018.xlsx | **Use of Results:** See "Related Documents" under Results for more information. (08/10/2018) |
| | **Series of Assignments -** Exam(s), in addition to Laboratory Assignment(s) and Homework Assignment(s) contribute to assessing student performance for this point of learning (POL)<br>**\*Criterion:** 70% of students achieve >= 7.0 out of 10.0 | **Reporting Period:** 2021-2022 (Spring)<br>**Result Type:** Criteria Not Met<br>33.33% (06/07/2022)<br>**Total # of Students Assessed:** 3<br>**# of Students Meeting Criteria:** 1<br>**Related Documents:**<br>ELET245N Section 1 Assessment Spring 2022.docx<br>ELET245N Section 1 Grades Spring 2022.xlsx<br>EET Assessment Report 5-31-22.docx | **Use of Results:** See "Related Documents" under Results for more information. (06/08/2022) |

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| **2. Modulation and multiplexing -** Explain the fundamentals of Amplitude Modulation (AM), Frequency Modulation (FM) and know the differences between time division multiplexing, frequency division multiplexing and digital modulation.<br>**Course Competency Status:** Active<br>**Assessment Cycles:** 2017 - 2018 (Spring), 2021-2022 (Spring) | **Series of Assignments -** Exam(s), in addition to Laboratory Assignment(s) and Homework Assignment(s) contribute to assessing student performance for this point of learning (POL)<br>**\*Criterion:** Average of POL for all students >= 7.0 out of 10.0 | **Reporting Period:** 2021-2022 (Spring)<br>**Result Type:** Criteria Met<br>Average of POL for all students = 7.32 out of 10.00 (06/07/2022)<br>**Total # of Students Assessed:** 3<br>**Related Documents:**<br>ELET245N Section 1 Assessment Spring 2022.docx<br>ELET245N Section 1 Grades Spring 2022.xlsx<br>EET Assessment Report 5-31-22.docx | **Use of Results:** See "Related Documents" under Results for more information. (06/08/2022) |
| | | **Reporting Period:** 2017 - 2018<br>**Result Type:** Criteria Met<br>Average of POL for all students = 8.44 out of 10.00 (08/10/2018)<br>**Total # of Students Assessed:** 9<br>**Related Documents:**<br>ELET245N-A_S2018_Assessment.docx<br>ELET241N-1_Grades-Spring2018.xlsx | **Use of Results:** See "Related Documents" under Results for more information. (08/10/2018) |
| | **Series of Assignments -** Exam(s), in addition to Laboratory Assignment(s) and Homework Assignment(s) contribute to assessing student performance for this point of learning (POL)<br>**\*Criterion:** 70% of students achieve >= 7.0 out of 10.0 | **Reporting Period:** 2021-2022 (Spring)<br>**Result Type:** Criteria Not Met<br>66.66% (06/07/2022)<br>**Total # of Students Assessed:** 3<br>**# of Students Meeting Criteria:** 2<br>**Related Documents:**<br>ELET245N Section 1 Assessment Spring 2022.docx<br>ELET245N Section 1 Grades Spring 2022.xlsx<br>EET Assessment Report 5-31-22.docx | **Use of Results:** See "Related Documents" under Results for more information. (06/08/2022) |
| **3. Transmission Lines -** Explain the basics of transmission line theory and perform communication circuit analysis using computer simulations.<br>**Course Competency Status:** Active<br>**Assessment Cycles:** 2017 - 2018 (Spring), 2021-2022 (Spring) | **Series of Assignments -** Exam(s), in addition to Laboratory Assignment(s) and Homework Assignment(s) contribute to assessing student performance for this point of learning (POL)<br>**\*Criterion:** Average of POL for all students >= 7.0 out of 10.0 | **Reporting Period:** 2021-2022 (Spring)<br>**Result Type:** Criteria Not Met<br>Average of POL for all students = 6.35 out of 10.00 (06/07/2022)<br>**Total # of Students Assessed:** 3<br>**Related Documents:**<br>ELET245N Section 1 Assessment Spring 2022.docx<br>ELET245N Section 1 Grades Spring 2022.xlsx<br>EET Assessment Report 5-31-22.docx | **Use of Results:** See "Related Documents" under Results for more information. (06/08/2022) |
| | | **Reporting Period:** 2017 - 2018<br>**Result Type:** Criteria Met<br>Average of POL for all students = 8.25 out of 10.00 | **Use of Results:** See "Related Documents" under Results for |

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| | | (08/10/2018)<br>**Total # of Students Assessed:** 9<br>**Related Documents:**<br>ELET245N-A_S2018_Assessment.docx<br>ELET241N-1_Grades-Spring2018.xlsx | more information. (08/10/2018) |
| | **Series of Assignments -** Exam(s), in addition to Laboratory Assignment(s) and Homework Assignment(s) contribute to assessing student performance for this point of learning (POL)<br>**\*Criterion:** 70% of students achieve >= 7.0 out of 10.0 | **Reporting Period:** 2021-2022 (Spring)<br>**Result Type:** Criteria Not Met<br>66.66% (06/07/2022)<br>**Total # of Students Assessed:** 3<br>**# of Students Meeting Criteria:** 2<br>**Related Documents:**<br>ELET245N Section 1 Assessment Spring 2022.docx<br>ELET245N Section 1 Grades Spring 2022.xlsx<br>EET Assessment Report 5-31-22.docx | **Use of Results:** See "Related Documents" under Results for more information. (06/08/2022) |
| **4. Data Communications -** Understand principles of Data Communications.<br>**Course Competency Status:** Active<br>**Assessment Cycles:** 2017 - 2018 (Spring), 2021-2022 (Spring) | **Series of Assignments -** Exam(s), in addition to Laboratory Assignment(s) and Homework Assignment(s) contribute to assessing student performance for this point of learning (POL)<br>**\*Criterion:** Average of POL for all students >= 7.0 out of 10.0 | **Reporting Period:** 2021-2022 (Spring)<br>**Result Type:** Criteria Not Met<br>Average of POL for all students = 5.84 out of 10.00 (06/07/2022)<br>**Total # of Students Assessed:** 3<br>**Related Documents:**<br>ELET245N Section 1 Assessment Spring 2022.docx<br>ELET245N Section 1 Grades Spring 2022.xlsx<br>EET Assessment Report 5-31-22.docx | **Use of Results:** See "Related Documents" under Results for more information. (06/08/2022) |
| | | **Reporting Period:** 2017 - 2018<br>**Result Type:** Criteria Met<br>Average of POL for all students = 8.76 out of 10.00 (08/10/2018)<br>**Total # of Students Assessed:** 9<br>**Related Documents:**<br>ELET245N-A_S2018_Assessment.docx<br>ELET241N-1_Grades-Spring2018.xlsx | **Use of Results:** See "Related Documents" under Results for more information. (08/10/2018) |
| | **Series of Assignments -** Exam(s), in addition to Laboratory Assignment(s) and Homework Assignment(s) contribute to assessing student performance for this point of learning (POL)<br>**\*Criterion:** 70% of students achieve >= 7.0 out of 10.0 | **Reporting Period:** 2021-2022 (Spring)<br>**Result Type:** Criteria Not Met<br>66.66% (06/07/2022)<br>**Total # of Students Assessed:** 3<br>**# of Students Meeting Criteria:** 2<br>**Related Documents:**<br>ELET245N Section 1 Assessment Spring 2022.docx | **Use of Results:** See "Related Documents" under Results for more information. (06/08/2022) |

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| | | [ELET245N Section 1 Grades Spring 2022.xlsx](ELET245N Section 1 Grades Spring 2022.xlsx) | |
| | | [EET Assessment Report 5-31-22.docx](EET Assessment Report 5-31-22.docx) | |