Electronics II

08/23/2022

Program/Course Assessment - Electronic Engineering Technology (AS)

ELET241N:Electronics II

Course Competencies	Assessment Methods	Results	Use of Results
1. Logarithms, Decibels, Body Plots, and Miller Effect Capacitance - Understand logarithms, decibels, Bode Plots and Miller Effect Capacitance **Course Competency Status:** Active **Assessment Cycles:** 2017 - 2018 (Fall), 2018 - 2019 (Fall), 2019 - 2020 (Fall), 2020 - 2021 (Fall), 2021-2022 (Fall)	**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). ***Criterion:** Average of POL for all students >= 7.0 out of 10.0	**Reporting Period:** 2021-2022 (Fall) **Result Type:** Criteria Met Average of POL for all students = 8.68 out of 10.00 (05/31/2022) **Total # of Students Assessed:** 4 **Related Documents:** ELET241N Section 1 Assessment Fall 2021_JN_3.docx ELET241N Section 1 Grades Fall 2021.xlsx EET Assessment Report 5-31-22.docx	**Use of Results:** See "Related Documents" under Results for more information. (05/31/2022)
		Reporting Period: 2020-2021 (Fall) **Result Type:** Criteria Met Average of POL for all students = 8.77 out of 10.00 (05/31/2021) **Total # of Students Assessed:** 8 **Related Documents:** ELET241N Grades Fall 2020.xlsx ELET241N-1_F2020_Assessment.docx Electrical Engineering Technology May 31 2021 Assessment Report.docx ELET Assessment Meeting Notes 011421.pdf	**Use of Results:** See "Related Documents" under Results for more information. (05/31/2021)
		Reporting Period: 2019-2020 (Fall) **Result Type:** Criteria Met Average of POL for all students = 7.53 out of 10.00 (05/31/2020) **Total # of Students Assessed:** 9 **Related Documents:**	**Use of Results:** See "Related Documents" under Results for more information. (05/31/2020)

Course Competencies	Assessment Methods	Results	Use of Results
		[ELET241N Grades Fall 2019.xlsx](#)	
		[ELET241N-1_F2019_Assessment.docx](#)	
		Reporting Period: 2018 - 2019 **Result Type:** Criteria Met Average of POL for all students = 7.90 out of 10.00 (05/31/2019) **Total # of Students Assessed:** 8 **Related Documents:** [ELET241N Grades Fall 2018.xlsx](#) [ELET241N-1_F2018_Assessment.docx](#)	**Use of Results:** See "Related Documents" under Results for more information. (05/31/2019)
		Reporting Period: 2017 - 2018 **Result Type:** Criteria Met Average of POL for all students = 8.91 out of 10.00 (02/09/2018) **Total # of Students Assessed:** 13 **Related Documents:** [ELET Assessment Meeting Notes 020518.docx](#) [ELET241N - 1 F2017 Exam Grades Evals wksheet v2.xlsx](#) [ELET241N-1_F2017_Assessment.docx](#)	**Use of Results:** See "Related Documents" under Results for more information. (02/09/2018)
	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) ***Criterion:** 70% of students achieve >= 7.0 out of 10.0	**Reporting Period:** 2021-2022 (Fall) **Result Type:** Criteria Met 100.00% (06/07/2022) **Total # of Students Assessed:** 4 **# of Students Meeting Criteria:** 4 **Related Documents:** [ELET241N Section 1 Assessment Fall 2021_JN_3.docx](#) [ELET241N Section 1 Grades Fall 2021.xlsx](#) [EET Assessment Report 5-31-22.docx](#)	**Use of Results:** See "Related Documents" under Results for more information. (06/08/2022)
2. BJT and JFET Frequency Response - Be able to calculate Frequency Response for BJT and FET Amplifiers as well as Op-Amps **Course Competency Status:** Active **Assessment Cycles:** 2017 - 2018 (Fall), 2018 - 2019 (Fall), 2019 - 2020 (Fall), 2020 - 2021 (Fall), 2021-2022 (Fall)	**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) ***Criterion:** Average of POL for all students >= 7.0 out of 10.0	**Reporting Period:** 2021-2022 (Fall) **Result Type:** Criteria Met Average of POL for all students = 8.14 out of 10.00 (05/31/2022) **Total # of Students Assessed:** 4 **Related Documents:** [ELET241N Section 1 Assessment Fall 2021_JN_3.docx](#) [ELET241N Section 1 Grades Fall 2021.xlsx](#) [EET Assessment Report 5-31-22.docx](#)	**Use of Results:** See "Related Documents" under Results for more information. (05/31/2022)
		Reporting Period: 2020-2021 (Fall)	**Use of Results:** See "Related

Course Competencies	Assessment Methods	Results	Use of Results
		Result Type: Criteria Met Average of POL for all students = 8.39 out of 10.00 (05/31/2021) **Total # of Students Assessed:** 8 **Related Documents:** [ELET241N Grades Fall 2020.xlsx](#) [ELET241N-1_F2020_Assessment.docx](#) [Electrical Engineering Technology May 31 2021 Assessment Report.docx](#) [ELET Assessment Meeting Notes 011421.pdf](#)	Documents" under Results for more information. (05/31/2021)
		Reporting Period: 2019-2020 (Fall) **Result Type:** Criteria Met Average of POL for all students = 8.64 out of 10.00 (05/31/2020) **Total # of Students Assessed:** 9 **Related Documents:** [ELET241N Grades Fall 2019.xlsx](#) [ELET241N-1_F2019_Assessment.docx](#)	**Use of Results:** See "Related Documents" under Results for more information. (05/31/2020)
		Reporting Period: 2018 - 2019 **Result Type:** Criteria Met Average of POL for all students = 8.47 out of 10.00 (05/31/2019) **Total # of Students Assessed:** 8 **Related Documents:** [ELET241N Grades Fall 2018.xlsx](#) [ELET241N-1_F2018_Assessment.docx](#)	**Use of Results:** See "Related Documents" under Results for more information. (05/31/2019)
		Reporting Period: 2017 - 2018 **Result Type:** Criteria Met Average of POL for all students = 9.07 out of 10.00 (02/09/2018) **Total # of Students Assessed:** 13 **Related Documents:** [ELET241N - 1 F2017 Exam Grades Evals wksheet v2.xlsx](#) [ELET241N-1_F2017_Assessment.docx](#) [ELET Assessment Meeting Notes 020518.docx](#)	**Use of Results:** See "Related Documents" under Results for more information. (02/09/2018)
	Series of Assignments - Exam(s), in addition to Laboratory Assignment(s) and Homework Assignment(s) contribute to assessing student	**Reporting Period:** 2021-2022 (Fall) **Result Type:** Criteria Met 75.00% (06/07/2022) **Total # of Students Assessed:** 4	**Use of Results:** See "Related Documents" under Results for more information. (06/08/2022)

Course Competencies	Assessment Methods	Results	Use of Results
	performance for this point of learning (POL) ***Criterion:** 70% of students achieve >= 7.0 out of 10.0	**# of Students Meeting Criteria:** 3 **Related Documents:** ELET241N Section 1 Assessment Fall 2021_JN_3.docx ELET241N Section 1 Grades Fall 2021.xlsx EET Assessment Report 5-31-22.docx	
3. Op Amps - Show how the single-ended output voltage of an Op-Amp depends on its open-loop gain and differential input voltage **Course Competency Status:** Active **Assessment Cycles:** 2017 - 2018 (Fall), 2018 - 2019 (Fall), 2019 - 2020 (Fall), 2020 - 2021 (Fall), 2021-2022 (Fall)	**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). ***Criterion:** Average of POL for all students >= 7.0 out of 10.0	**Reporting Period:** 2021-2022 (Fall) **Result Type:** Criteria Met Average of POL for all students = 8.33 out of 10.00 (05/31/2022) **Total # of Students Assessed:** 4 **Related Documents:** ELET241N Section 1 Assessment Fall 2021_JN_3.docx ELET241N Section 1 Grades Fall 2021.xlsx EET Assessment Report 5-31-22.docx	**Use of Results:** See "Related Documents" under Results for more information. (05/31/2022)
		Reporting Period: 2020-2021 (Fall) **Result Type:** Criteria Met Average of POL for all students = 7.27 out of 10.00 (05/31/2021) **Total # of Students Assessed:** 8 **Related Documents:** ELET241N Grades Fall 2020.xlsx ELET241N-1_F2020_Assessment.docx Electrical Engineering Technology May 31 2021 Assessment Report.docx ELET Assessment Meeting Notes 011421.pdf	**Use of Results:** See "Related Documents" under Results for more information. (05/31/2021)
		Reporting Period: 2019-2020 (Fall) **Result Type:** Criteria Met Average of POL for all students = 8.26 out of 10.00 (05/31/2020) **Total # of Students Assessed:** 9 **Related Documents:** ELET241N Grades Fall 2019.xlsx ELET241N-1_F2019_Assessment.docx	**Use of Results:** See "Related Documents" under Results for more information. (05/31/2020)
		Reporting Period: 2018 - 2019 **Result Type:** Criteria Met Average of POL for all students = 8.46 out of 10.00 (05/31/2019) **Total # of Students Assessed:** 8	**Use of Results:** See "Related Documents" under Results for more information. (05/31/2019)

Course Competencies	Assessment Methods	Results	Use of Results
		Related Documents: ELET241N Grades Fall 2018.xlsx ELET241N-1_F2018_Assessment.docx	
		Reporting Period: 2017 - 2018 **Result Type:** Criteria Met Average of POL for all students = 8.43 out of 10.00 (02/09/2018) **Total # of Students Assessed:** 13 **Related Documents:** ELET241N - 1 F2017 Exam Grades Evals wksheet v2.xlsx ELET241N-1_F2017_Assessment.docx ELET Assessment Meeting Notes 020518.docx	**Use of Results:** See "Related Documents" under Results for more information. (02/09/2018)
	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) ***Criterion:** 70% of students achieve >= 7.0 out of 10.0	**Reporting Period:** 2021-2022 (Fall) **Result Type:** Criteria Met 75.00 (06/07/2022) **Total # of Students Assessed:** 4 **# of Students Meeting Criteria:** 3 **Related Documents:** ELET241N Section 1 Assessment Fall 2021_JN_3.docx ELET241N Section 1 Grades Fall 2021.xlsx EET Assessment Report 5-31-22.docx	**Use of Results:** See "Related Documents" under Results for more information. (06/08/2022)
4. Diff, Instrumentation, and Bridge Amps - Work with differential, instrumentation and bridge amplifiers and calculate the effects for AC performance, bandwidth, slew rate and noise. **Course Competency Status:** Active **Assessment Cycles:** 2017 - 2018 (Fall), 2018 - 2019 (Fall), 2019 - 2020 (Fall), 2020 - 2021 (Fall), 2021-2022 (Fall)	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). ***Criterion:** Average of POL for all students >= 7.0 out of 10.0	**Reporting Period:** 2021-2022 (Fall) **Result Type:** Criteria Met Average of POL for all students = 7.88 out of 10.00 (05/31/2022) **Total # of Students Assessed:** 4 **Related Documents:** ELET241N Section 1 Assessment Fall 2021_JN_3.docx ELET241N Section 1 Grades Fall 2021.xlsx EET Assessment Report 5-31-22.docx	**Use of Results:** See "Related Documents" under Results for more information. (05/31/2022)
		Reporting Period: 2020-2021 (Fall) **Result Type:** Criteria Met Average of POL for all students = 8.05 out of 10.00 (05/31/2021) **Total # of Students Assessed:** 8 **Related Documents:** ELET241N Grades Fall 2020.xlsx ELET241N-1_F2020_Assessment.docx	**Use of Results:** See "Related Documents" under Results for more information. (05/31/2021)

Course Competencies	Assessment Methods	Results	Use of Results
		[Electrical Engineering Technology May 31 2021 Assessment Report.docx](#) [ELET Assessment Meeting Notes 011421.pdf](#)	
		Reporting Period: 2019-2020 (Fall) **Result Type:** Criteria Met Average of POL for all students = 8.15 out of 10.00 (05/31/2020) **Total # of Students Assessed:** 9 **Related Documents:** [ELET241N Grades Fall 2019.xlsx](#) [ELET241N-1_F2019_Assessment.docx](#)	**Use of Results:** See "Related Documents" under Results for more information. (05/31/2020)
		Reporting Period: 2018 - 2019 **Result Type:** Criteria Met Average of POL for all students = 7.57 out of 10.00 (05/31/2019) **Total # of Students Assessed:** 8 **Related Documents:** [ELET241N Grades Fall 2018.xlsx](#) [ELET241N-1_F2018_Assessment.docx](#)	**Use of Results:** See "Related Documents" under Results for more information. (05/31/2019)
		Reporting Period: 2017 - 2018 **Result Type:** Criteria Met • ELET241N-1 : The numerical scores are outstanding. So much so, the department found the following: o Observed / suspect that the grading maybe too lenient. o Instructor (Adjunct) did not make use of the ability to electronically have all students upload their lab reports. Average of POL for all students = 9.29 out of 10.00 (02/09/2018) **Total # of Students Assessed:** 13 **Related Documents:** [ELET Assessment Meeting Notes 020518.docx](#) [ELET241N - 1 F2017 Exam Grades Evals wksheet v2.xlsx](#) [ELET241N-1_F2017_Assessment.docx](#)	**Use of Results:** The Program Coordinator discussed both of the above items with the instructor and he agreed to tighten up his grading policies and require all labs to uploaded starting in the Spring 2018 semester. See "Related Documents" under Results for more information. (02/09/2018)
	Series of Assignments - Exam(s), in addition to Laboratory Assignment(s) and Homework Assignment(s) contribute to assessing student	**Reporting Period:** 2021-2022 (Fall) **Result Type:** Criteria Not Met 50.00% (06/07/2022)	**Use of Results:** See "Related Documents" under Results for more information. (06/08/2022)

Course Competencies	Assessment Methods	Results	Use of Results
	performance for this point of learning (POL) ***Criterion:** 70% of students achieve >= 7.0 out of 10.0	**Total # of Students Assessed:** 4 **# of Students Meeting Criteria:** 2 **Related Documents:** ELET241N Section 1 Assessment Fall 2021_JN_3.docx ELET241N Section 1 Grades Fall 2021.xlsx EET Assessment Report 5-31-22.docx	