

Advanced Digital Circuits

08/23/2022



Program/Course Assessment - Electronic Engineering Technology (AS)

ELET221N:Advanced Digital Circuits

<i>Course Competencies</i>	<i>Assessment Methods</i>	<i>Results</i>	<i>Use of Results</i>
1. Synchronous and Asynchronous Circuits - - Understand synchronous and asynchronous circuits by implementing various types of shift register (SR) circuits and using state machines and state diagrams to implement and apply circuits to real world applications Course Competency Status: Active Assessment Cycles: 2017 - 2018 (Spring), 2018 - 2019 (Spring), 2019 - 2020 (Spring), 2020 - 2021 (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) *Criterion: Average of POL for all students ≥ 7.0 out of 10.0	Reporting Period: 2021-2022 (Spring) Result Type: Criteria Met Average of POL for all students = 8.33 out of 10.00 (05/31/2022) Total # of Students Assessed: 3 Related Documents: EET Assessment Report 5-31-22.docx ELET221N Assessment S2022.docx ELET221N Grades S2022.xlsx	Use of Results: See "Related Documents" under Results for more information. (05/31/2022)
		Reporting Period: 2020-2021 (Spring) Result Type: Criteria Met Average of POL for all students = 7.49 out of 10.00 (05/31/2021) Total # of Students Assessed: 9 Related Documents: Electrical Engineering Technology May 31 2021 Assessment Report.docx ELET Assessment Meeting Notes 011421.pdf ELET221N-A_S2021_Assessment.docx Grades Spring 21 ELET221N Only Grades.xlsx	Use of Results: See "Related Documents" under Results for more information. (05/31/2021)
		Reporting Period: 2019-2020 (Spring) Result Type: Criteria Met Average of POL for all students = 8.39 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
		<p>ELET221N Grades Spring 2020 050620.xlsx ELET221N-A_S2020_Assessment.docx</p> <hr/> <p>Reporting Period: 2018 - 2019 Result Type: Criteria Met Average of POL for all students = 7.92 out of 10.00 (05/31/2019) Total # of Students Assessed: 9 Related Documents: ELET221N-A_S2019_Assessment.pdf Grades Spring 19 ELET221N Grades Etc.xlsx</p> <hr/> <p>Reporting Period: 2017 - 2018 Result Type: Criteria Met Average of POL for all students = 8.58 out of 10.00 (08/10/2018) Total # of Students Assessed: 10 Related Documents: ELET Assessment Meeting Notes 051418.docx ELET221N-A Grades Spring18.xlsx ELET221N-A_S2018_Assessment.docx</p> <hr/> <p>Reporting Period: 2021-2022 (Spring) Result Type: Criteria Met 100.00% (06/07/2022) Total # of Students Assessed: 3 # of Students Meeting Criteria: 3 Related Documents: ELET221N Grades S2022.xlsx ELET221N Assessment S2022.docx EET Assessment Report 5-31-22.docx</p>	<p>Use of Results: See "Related Documents" under Results for more information. (05/31/2019)</p> <hr/> <p>Use of Results: See "Related Documents" under Results for more information. (08/10/2018)</p> <hr/> <p>Use of Results: See "Related Documents" under Results for more information. (06/08/2022)</p>
<p>2. Computer Memory - Understand memory basics including the various types of memory devices such as RAM, ROM, Flash, etc. Course Competency Status: Active Assessment Cycles: 2017 - 2018 (Spring), 2018 - 2019 (Spring), 2019 - 2020 (Spring), 2020 - 2021 (Spring), 2021-2022 (Spring)</p>	<p>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</p> <hr/> <p>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</p>	<p>Reporting Period: 2021-2022 (Spring) Result Type: Criteria Not Met Average of POL for all students = 6.43 out of 10.00 (05/31/2022) Total # of Students Assessed: 3 Related Documents: EET Assessment Report 5-31-22.docx ELET221N Assessment S2022.docx ELET221N Grades S2022.xlsx</p> <hr/> <p>Reporting Period: 2020-2021 (Spring)</p>	<p>Use of Results: See "Related Documents" under Results for more information. (05/31/2022)</p> <hr/> <p>Use of Results: See "Related Documents" under Results for more information.</p>

Course Competencies	Assessment Methods	Results	Use of Results
		<p>Result Type: Criteria Not Met Average of POL for all students = 6.62 out of 10.00 (05/31/2021) Total # of Students Assessed: 9 Related Documents: Electrical Engineering Technology May 31 2021 Assessment Report.docx ELET Assessment Meeting Notes 011421.pdf ELET221N-A_S2021_Assessment.docx Grades Spring 21 ELET221N Only Grades.xlsx</p>	<p>Documents" under Results for more information. (05/31/2021)</p>
		<p>Reporting Period: 2019-2020 (Spring) Result Type: Criteria Not Met Average of POL for all students = 6.53 out of 10.00 (05/31/2020) Total # of Students Assessed: 9 Related Documents: ELET221N Grades Spring 2020 050620.xlsx ELET221N-A_S2020_Assessment.docx</p>	<p>Use of Results: See "Related Documents" under Results for more information. (05/31/2020)</p>
		<p>Reporting Period: 2018 - 2019 Result Type: Criteria Not Met Average of POL for all students = 6.74 out of 10.00 (05/31/2019) Total # of Students Assessed: 9 Related Documents: ELET221N-A_S2019_Assessment.pdf Grades Spring 19 ELET221N Grades Etc.xlsx</p>	<p>Use of Results: See "Related Documents" under Results for more information. (05/31/2019)</p>
		<p>Reporting Period: 2017 - 2018 Result Type: Criteria Met Average of POL for all students = 7.69 out of 10.00 (08/10/2018) Total # of Students Assessed: 10 Related Documents: ELET Assessment Meeting Notes 051418.docx ELET221N-A Grades Spring18.xlsx ELET221N-A_S2018_Assessment.docx</p>	<p>Use of Results: See "Related Documents" under Results for more information. (08/10/2018)</p>
	<p>Series of Assignments - Exam(s), in addition to Laboratory Assignment(s) and Homework Assignment(s) contribute to assessing student</p>	<p>Reporting Period: 2021-2022 (Spring) Result Type: Criteria Not Met 33.33% (06/07/2022) Total # of Students Assessed: 3</p>	<p>Use of Results: See "Related Documents" under Results for more information. (06/08/2022)</p>

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: 1 Related Documents: ELET221N Grades S2022.xlsx ELET221N Assessment S2022.docx EET Assessment Report 5-31-22.docx	
3. Complex Programmable Logic Devices - Be able to design basic programmable devices such as CPLD's and FPGAs in a real world application. Course Competency Status: Active Assessment Cycles: 2017 - 2018 (Spring), 2018 - 2019 (Spring), 2019 - 2020 (Spring), 2020 - 2021 (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) *Criterion: Average of POL for all students >= 7.0 out of 10.0	Reporting Period: 2021-2022 (Spring) Result Type: Criteria Met Average of POL for all students = 8.45 out of 10.00 (05/31/2022) Total # of Students Assessed: 3 Related Documents: EET Assessment Report 5-31-22.docx ELET221N Assessment S2022.docx ELET221N Grades S2022.xlsx	Use of Results: See "Related Documents" under Results for more information. (05/31/2022)
		Reporting Period: 2020-2021 (Spring) Result Type: Criteria Not Met Average of POL for all students = 6.89 out of 10.00 (05/31/2021) Total # of Students Assessed: 9 Related Documents: Electrical Engineering Technology May 31 2021 Assessment Report.docx ELET Assessment Meeting Notes 011421.pdf ELET221N-A_S2021_Assessment.docx Grades Spring 21 ELET221N Only Grades.xlsx	Use of Results: See "Related Documents" under Results for more information. (05/31/2021)
		Reporting Period: 2019-2020 (Spring) Result Type: Criteria Met Average of POL for all students = 7.16 out of 10.00 (05/31/2020) Total # of Students Assessed: 9 Related Documents: ELET221N Grades Spring 2020 050620.xlsx ELET221N-A_S2020_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 = 8.05 out of 10.00 (05/31/2019) Total # of Students Assessed: 9	Use of Results: See "Related Documents" under Results for more information. (05/31/2019)

Course Competencies	Assessment Methods	Results	Use of Results
		ELET Assessment Meeting Notes 011421.pdf ELET221N-A_S2021_Assessment.docx Grades Spring 21 ELET221N Only Grades.xlsx	
		Reporting Period: 2019-2020 (Spring) Result Type: Criteria Met Average of POL for all students = 8.74 out of 10.00 (05/31/2020) Total # of Students Assessed: 9 Related Documents: ELET221N Grades Spring 2020 050620.xlsx ELET221N-A_S2020_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 = 7.74 out of 10.00 (05/31/2019) Total # of Students Assessed: 9 Related Documents: ELET221N-A_S2019_Assessment.pdf Grades Spring 19 ELET221N Grades Etc.xlsx	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 = 8.83 out of 10.00 (08/10/2018) Total # of Students Assessed: 10 Related Documents: ELET Assessment Meeting Notes 051418.docx ELET221N-A Grades Spring18.xlsx ELET221N-A_S2018_Assessment.docx	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) *Criterion: 70% of students achieve >= 7.0 out of 10.0	Reporting Period: 2021-2022 (Spring) Result Type: Criteria Met 100.00% (06/07/2022) Total # of Students Assessed: 3 # of Students Meeting Criteria: 3 Related Documents: ELET221N Grades S2022.xlsx ELET221N Assessment S2022.docx EET Assessment Report 5-31-22.docx	Use of Results: See "Related Documents" under Results for more information. (06/08/2022)