

# Circuit Analysis II

08/23/2022



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

### ELET132N:Circuit Analysis II

<i>Course Competencies</i>	<i>Assessment Methods</i>	<i>Results</i>	<i>Use of Results</i>
<b>1. Capacitive and Inductive Networks</b> - Determine transient (time-varying) responses of capacitive and inductive networks and plot resulting voltages and currents. <b>Course Competency Status:</b> Active <b>Assessment Cycles:</b> 2017 - 2018 (Spring), 2019 - 2020 (Spring), 2020 - 2021 (Spring), 2021-2022 (Spring)	<b>Series of Assignments</b> - Exam(s), in addition to Laboratory Assignment(s) and Homework Assignment(s) contribute to assessing student performance for this point of learning (POL). <b>*Criterion:</b> Average of POL for all students $\geq 7.0$ out of 10.0	<b>Reporting Period:</b> 2021-2022 (Spring) <b>Result Type:</b> Criteria Not Met Average of POL for all students = 6.95 out of 10.00 (05/31/2022) <b>Total # of Students Assessed:</b> 8 <b>Related Documents:</b> <a href="#">ELET132N Section 1 Assessment Spring 2022_JN_3.docx</a> <a href="#">ELET132N Section 1 Grades Spring 2022.xlsx</a> <a href="#">ELET132N Section A Assessment Spring 2022.docx</a> <a href="#">ELET132N Section A Grades Spring 2022.xlsx</a> <a href="#">EET Assessment Report 5-31-22.docx</a>	<b>Use of Results:</b> See "Related Documents" under Results for more information. (05/31/2022)
		<b>Reporting Period:</b> 2020-2021 (Spring) <b>Result Type:</b> Criteria Met Average of POL for all students = 7.62 out of 10.00 (05/31/2021) <b>Total # of Students Assessed:</b> 9 <b>Related Documents:</b> <a href="#">Electrical Engineering Technology May 31 2021 Assessment Report.docx</a> <a href="#">ELET Assessment Meeting Notes 011421.pdf</a> <a href="#">ELET132N Grades Spring 2021.xlsx</a> <a href="#">ELET132N-A_S2021_Assessment.docx</a>	<b>Use of Results:</b> See "Related Documents" under Results for more information. (05/31/2021)
		<b>Reporting Period:</b> 2019-2020 (Spring) <b>Result Type:</b> Criteria Met Average of POL for all students = 7.99 out of 10.00 (05/31/2020)	<b>Use of Results:</b> See "Related Documents" under Results for more information. (05/31/2020)

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	<p><b>Series of Assignments</b> - Exam(s), in addition to Laboratory Assignment(s) and Homework Assignment(s) contribute to assessing student performance for this point of learning (POL).  <b>*Criterion:</b> 50% of students achieve <math>\geq 7.0</math> out of 10.0</p>	<p><b>Total # of Students Assessed:</b> 8  <b>Related Documents:</b>  <a href="#">ELET132N Grades Spring 2020.xlsx</a>  <a href="#">ELET132N-A_S2020_Assessment.docx</a></p> <hr/> <p><b>Reporting Period:</b> 2017 - 2018  <b>Result Type:</b> Criteria Met  Average of POL for all students = 7.51 out of 10.00 (05/31/2018)  <b>Total # of Students Assessed:</b> 14  <b>Related Documents:</b>  <a href="#">ELET132N-1_S2018_Class Grading v051018.xlsx</a>  <a href="#">ELET132N-A_S2018_Class w16_050918.xlsx</a>  <a href="#">ELET132N-1_S2018_Assessment b.docx</a>  <a href="#">ELET132N-A_S2018_Assessment b.docx</a>  <a href="#">ELET Assessment Meeting Notes 051418.docx</a></p> <p><b>Reporting Period:</b> 2021-2022 (Spring)  <b>Result Type:</b> Criteria Met  75.00% (05/31/2022)  <b>Total # of Students Assessed:</b> 8  <b># of Students Meeting Criteria:</b> 6  <b>Related Documents:</b>  <a href="#">ELET132N Section A Assessment Spring 2022.docx</a>  <a href="#">ELET132N Section A Grades Spring 2022.xlsx</a>  <a href="#">ELET132N Section 1 Assessment Spring 2022_JN_3.docx</a>  <a href="#">ELET132N Section 1 Grades Spring 2022.xlsx</a>  <a href="#">EET Assessment Report 5-31-22.docx</a></p>	<p><b>Use of Results:</b> See "Related Documents" under Results for more information. (05/31/2018)</p> <p><b>Use of Results:</b> See "Related Documents" under Results for more information. (05/31/2022)</p>
<p><b>2. Phase and phaser format</b> - Determine the phase relationship between two sinusoidal waveforms and understand how to calculate the average and effective values of any waveform and using phasor format to add and subtract sinusoidal waveforms.  <b>Course Competency Status:</b> Active  <b>Assessment Cycles:</b> 2017 - 2018 (Spring), 2019 - 2020 (Spring), 2020 - 2021 (Spring), 2021-2022 (Spring)</p>	<p><b>Series of Assignments</b> - Exam(s), in addition to Laboratory Assignment(s) and Homework Assignment(s) contribute to assessing student performance for this point of learning (POL).  <b>*Criterion:</b> Average of POL for all students <math>\geq 7.0</math> out of 10.0</p>	<p><b>Reporting Period:</b> 2021-2022 (Spring)  <b>Result Type:</b> Criteria Met  Average of POL for all students = 8.22 out of 10.00 (05/31/2022)  <b>Total # of Students Assessed:</b> 8  <b>Related Documents:</b>  <a href="#">ELET132N Section 1 Assessment Spring 2022_JN_3.docx</a>  <a href="#">ELET132N Section 1 Grades Spring 2022.xlsx</a>  <a href="#">ELET132N Section A Assessment Spring 2022.docx</a>  <a href="#">ELET132N Section A Grades Spring 2022.xlsx</a>  <a href="#">EET Assessment Report 5-31-22.docx</a></p>	<p><b>Use of Results:</b> See "Related Documents" under Results for more information. (05/31/2022)</p>

Course Competencies	Assessment Methods	Results	Use of Results
		<p><b>Reporting Period:</b> 2020-2021 (Spring)  <b>Result Type:</b> Criteria Met  Average of POL for all students = 7.30 out of 10.00 (05/31/2021)  <b>Total # of Students Assessed:</b> 9  <b>Related Documents:</b>  <a href="#">ELET132N Grades Spring 2021.xlsx</a>  <a href="#">ELET132N-A_S2021_Assessment.docx</a>  <a href="#">Electrical Engineering Technology May 31 2021 Assessment Report.docx</a>  <a href="#">ELET Assessment Meeting Notes 011421.pdf</a></p>	<p><b>Use of Results:</b> See "Related Documents" under Results for more information. (05/31/2021)</p>
		<p><b>Reporting Period:</b> 2019-2020 (Spring)  <b>Result Type:</b> Criteria Met  Average of POL for all students = 7.47 out of 10.00 (05/31/2020)  <b>Total # of Students Assessed:</b> 8  <b>Related Documents:</b>  <a href="#">ELET132N Grades Spring 2020.xlsx</a>  <a href="#">ELET132N-A_S2020_Assessment.docx</a></p>	<p><b>Use of Results:</b> See "Related Documents" under Results for more information. (05/31/2020)</p>
		<p><b>Reporting Period:</b> 2017 - 2018  <b>Result Type:</b> Criteria Met  Average of POL for all students = 7.89 out of 10.00 (05/31/2018)  <b>Total # of Students Assessed:</b> 14  <b>Related Documents:</b>  <a href="#">ELET Assessment Meeting Notes 051418.docx</a>  <a href="#">ELET132N-1 S2018 Class Grading v051018.xlsx</a>  <a href="#">ELET132N-1_S2018_Assessment b.docx</a>  <a href="#">ELET132N-A S2018 Class w16 050918.xlsx</a>  <a href="#">ELET132N-A_S2018_Assessment b.docx</a></p>	<p><b>Use of Results:</b> See "Related Documents" under Results for more information. (05/31/2018)</p>
<p><b>Series of Assignments</b> - Exam(s), in addition to Laboratory Assignment(s) and Homework Assignment(s) contribute to assessing student performance for this point of learning (POL).  <b>*Criterion:</b> 50% of students achieve &gt;= 7.0 out of 10.0</p>		<p><b>Reporting Period:</b> 2021-2022 (Spring)  <b>Result Type:</b> Criteria Met  75.00% (05/31/2022)  <b>Total # of Students Assessed:</b> 8  <b># of Students Meeting Criteria:</b> 6  <b>Related Documents:</b>  <a href="#">ELET132N Section 1 Assessment Spring 2022_JN_3.docx</a>  <a href="#">ELET132N Section 1 Grades Spring 2022.xlsx</a>  <a href="#">ELET132N Section A Assessment Spring 2022.docx</a></p>	<p><b>Use of Results:</b> See "Related Documents" under Results for more information. (05/31/2022)</p>

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<p><b>3. Impedance of series, parallel, and series/parallel circuits</b> - Find the total impedance of series, parallel and series-parallel ac circuits and become proficient in applying Thevenin's and Norton's theorem to ac networks.</p> <p><b>Course Competency Status:</b> Active</p> <p><b>Assessment Cycles:</b> 2017 - 2018 (Spring), 2019 - 2020 (Spring), 2020 - 2021 (Spring), 2021-2022 (Spring)</p>	<p><b>Series of Assignments</b> - Exam(s), in addition to Laboratory Assignment(s) and Homework Assignment(s) contribute to assessing student performance for this point of learning (POL).</p> <p><b>*Criterion:</b> Average of POL for all students <math>\geq 7.0</math> out of 10.0</p>	<p><a href="#">ELET132N Section A Grades Spring 2022.xlsx</a>  <a href="#">EET Assessment Report 5-31-22.docx</a></p> <hr/> <p><b>Reporting Period:</b> 2021-2022 (Spring)  <b>Result Type:</b> Criteria Not Met  Average of POL for all students = 6.85 out of 10.00 (05/31/2022)  <b>Total # of Students Assessed:</b> 8  <b>Related Documents:</b>  <a href="#">ELET132N Section 1 Assessment Spring 2022_JN_3.docx</a>  <a href="#">ELET132N Section 1 Grades Spring 2022.xlsx</a>  <a href="#">ELET132N Section A Assessment Spring 2022.docx</a>  <a href="#">ELET132N Section A Grades Spring 2022.xlsx</a>  <a href="#">EET Assessment Report 5-31-22.docx</a></p> <hr/> <p><b>Reporting Period:</b> 2020-2021 (Spring)  <b>Result Type:</b> Criteria Met  Average of POL for all students = 7.65 out of 10.00 (05/31/2021)  <b>Total # of Students Assessed:</b> 9  <b>Related Documents:</b>  <a href="#">ELET132N Grades Spring 2021.xlsx</a>  <a href="#">ELET132N-A_S2021_Assessment.docx</a>  <a href="#">Electrical Engineering Technology May 31 2021 Assessment Report.docx</a>  <a href="#">ELET Assessment Meeting Notes 011421.pdf</a></p> <hr/> <p><b>Reporting Period:</b> 2019-2020 (Spring)  <b>Result Type:</b> Criteria Met  Average of POL for all students = 7.94 out of 10.00 (05/31/2020)  <b>Total # of Students Assessed:</b> 8  <b>Related Documents:</b>  <a href="#">ELET132N Grades Spring 2020.xlsx</a>  <a href="#">ELET132N-A_S2020_Assessment.docx</a></p> <hr/> <p><b>Reporting Period:</b> 2017 - 2018  <b>Result Type:</b> Criteria Met  Average of POL for all students = 8.40 out of 10.00 (05/31/2018)  <b>Total # of Students Assessed:</b> 14  <b>Related Documents:</b></p>	<p><b>Use of Results:</b> See "Related Documents" under Results for more information. (05/31/2022)</p> <hr/> <p><b>Use of Results:</b> See "Related Documents" under Results for more information. (05/31/2021)</p> <hr/> <p><b>Use of Results:</b> See "Related Documents" under Results for more information. (05/31/2020)</p> <hr/> <p><b>Use of Results:</b> See "Related Documents" under Results for more information. (05/31/2018)</p>

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<p><b>4. Levels and frequency response of filters</b> - Develop confidence in the use of logarithms and decibels to define levels and also become familiar with frequency response of filters and display these using Bode Plots.  <b>Course Competency Status:</b> Active  <b>Assessment Cycles:</b> 2017 - 2018 (Spring), 2019 - 2020 (Spring), 2020 - 2021 (Spring), 2021-2022 (Spring)</p>	<p><b>Series of Assignments</b> - Exam(s), in addition to Laboratory Assignment(s) and Homework Assignment(s) contribute to assessing student performance for this point of learning (POL).  <b>*Criterion:</b> Average of POL for all students &gt;= 7.0 out of 10.0</p>	<p><b>Reporting Period:</b> 2021-2022 (Spring)  <b>Result Type:</b> Criteria Met  Average of POL for all students = 9.15 out of 10.00 (05/31/2022)  <b>Total # of Students Assessed:</b> 8  <b>Related Documents:</b>  <a href="#">ELET132N Section 1 Assessment Spring 2022_JN_3.docx</a>  <a href="#">ELET132N Section 1 Grades Spring 2022.xlsx</a>  <a href="#">ELET132N Section A Assessment Spring 2022.docx</a>  <a href="#">ELET132N Section A Grades Spring 2022.xlsx</a>  <a href="#">EET Assessment Report 5-31-22.docx</a></p>	<p><b>Use of Results:</b> See "Related Documents" under Results for more information. (05/31/2022)</p>
		<p><b>Reporting Period:</b> 2020-2021 (Spring)  <b>Result Type:</b> Criteria Met  Average of POL for all students = 7.58 out of 10.00 (05/31/2021)  <b>Total # of Students Assessed:</b> 9  <b>Related Documents:</b>  <a href="#">Electrical Engineering Technology May 31 2021 Assessment Report.docx</a>  <a href="#">ELET Assessment Meeting Notes 011421.pdf</a>  <a href="#">ELET132N Grades Spring 2021.xlsx</a>  <a href="#">ELET132N-A_S2021_Assessment.docx</a></p>	<p><b>Use of Results:</b> See "Related Documents" under Results for more information. (05/31/2021)</p>

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		<p><b>Reporting Period:</b> 2017 - 2018  <b>Result Type:</b> Criteria Met  Average of POL for all students = 7.33 out of 10.00 (05/31/2018)  <b>Total # of Students Assessed:</b> 14  <b>Related Documents:</b>  <a href="#">ELET Assessment Meeting Notes 051418.docx</a>  <a href="#">ELET132N-1_S2018 Class Grading v051018.xlsx</a>  <a href="#">ELET132N-1_S2018_Assessment b.docx</a>  <a href="#">ELET132N-A_S2018 Class w16 050918.xlsx</a>  <a href="#">ELET132N-A_S2018_Assessment b.docx</a></p>	<p><b>Use of Results:</b> See "Related Documents" under Results for more information. POL#4 will be moved to the course ELET241N. (05/31/2018)</p>
		<p><b>Reporting Period:</b> 2021-2022 (Spring)  <b>Result Type:</b> Criteria Met  87.50% (05/31/2022)  <b>Total # of Students Assessed:</b> 8  <b># of Students Meeting Criteria:</b> 7  <b>Related Documents:</b>  <a href="#">ELET132N Section 1 Assessment Spring 2022_JN_3.docx</a>  <a href="#">ELET132N Section 1 Grades Spring 2022.xlsx</a>  <a href="#">ELET132N Section A Assessment Spring 2022.docx</a>  <a href="#">ELET132N Section A Grades Spring 2022.xlsx</a>  <a href="#">EET Assessment Report 5-31-22.docx</a></p>	<p><b>Use of Results:</b> See "Related Documents" under Results for more information. (05/31/2022)</p>