

# Introduction to Programming Using C++

08/23/2022



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

### ELET115N: Introduction to Programming Using C++

<i>Course Competencies</i>	<i>Assessment Methods</i>	<i>Results</i>	<i>Use of Results</i>
<b>1. Design and Problem Solving using C++</b> - Understand the components of a computer system and understand basic design and problem solving strategies using C++. <b>Course Competency Status:</b> Active <b>Assessment Cycles:</b> 2017 - 2018 (Fall), 2018 - 2019 (Fall), 2021-2022 (Fall)	<b>Series of Assignments</b> - Exams and Labs are used to determine the overall grade. <b>*Criterion:</b> 50% of students achieve >= 7.0 out of 10.0	<b>Reporting Period:</b> 2021-2022 (Fall) <b>Result Type:</b> Criteria Met 95% (05/31/2022) <b>Total # of Students Assessed:</b> 19 <b># of Students Meeting Criteria:</b> 18 <b>Related Documents:</b> <a href="#">ELET115 Grades F2021.xlsx</a> <a href="#">ELET115N Assessment F2021.docx</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>Series of Assignments</b> - Exams and Labs are used to determine the overall grade. <b>*Criterion:</b> Average of POL for all students >= 7.0 out of 10.0	<b>Reporting Period:</b> 2021-2022 (Fall) <b>Result Type:</b> Criteria Met Average of POL for all students = 9.11 out of 10.00 (05/31/2022) <b>Total # of Students Assessed:</b> 19 <b>Related Documents:</b> <a href="#">ELET115 Grades F2021.xlsx</a> <a href="#">ELET115N Assessment F2021.docx</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> 2018 - 2019 <b>Result Type:</b> Criteria Met Average of POL for all students = 9.11 out of 10.00 (12/19/2018) <b>Total # of Students Assessed:</b> 10 <b>Related Documents:</b> <a href="#">ELET115N-A_F2018_Assessment.docx</a> <a href="#">Grades Fall 2018 121918.xlsx</a>	<b>Use of Results:</b> See "Related Documents" under Results for more information. (12/19/2018)

Course Competencies	Assessment Methods	Results	Use of Results
		<p><b>Reporting Period:</b> 2017 - 2018  <b>Result Type:</b> Criteria Met  Average of POL for all students = 8.61 out of 10.00 (02/05/2018)  <b>Total # of Students Assessed:</b> 9  <b>Related Documents:</b>  <a href="#">EET Curriculum_Change_Request_For ELET115N and ELET121N (1).docx</a>  <a href="#">ELET115N-A_F2017_Assessment.docx</a>  <a href="#">ELET115N-Exam-Grades_Evals_Wksheet.xlsx</a>  <a href="#">ELET Assessment Meeting Notes 020518.docx</a></p>	<p><b>Use of Results:</b> Will continue as done during F'17 semester. POL scores were good for this. See "Related Documents" under Results for more information. (02/05/2018)</p>
<p><b>2. C++ Datatypes, I/O, expressions, and errors</b> - Understand C++ datatypes, Input / Output, File I/O, expressions, and errors  <b>Course Competency Status:</b> Active  <b>Assessment Cycles:</b> 2017 - 2018 (Fall), 2018 - 2019 (Fall), 2021-2022 (Fall)</p>	<p><b>Series of Assignments</b> - Exams and Labs are used to determine the overall grade.  <b>*Criterion:</b> 50% of students achieve &gt;= 7.0 out of 10.0</p>	<p><b>Reporting Period:</b> 2021-2022 (Fall)  <b>Result Type:</b> Criteria Met  95% (05/31/2022)  <b>Total # of Students Assessed:</b> 19  <b># of Students Meeting Criteria:</b> 18  <b>Related Documents:</b>  <a href="#">ELET115 Grades F2021.xlsx</a>  <a href="#">ELET115N Assessment F2021.docx</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>Series of Assignments</b> - Exams and Labs are used to determine the overall grade.  <b>*Criterion:</b> Average of POL for all students &gt;= 7.0 out of 10.0</p>	<p><b>Reporting Period:</b> 2021-2022 (Fall)  <b>Result Type:</b> Criteria Met  Average of POL for all students = 8.8 out of 10.00 (05/31/2022)  <b>Total # of Students Assessed:</b> 19  <b>Related Documents:</b>  <a href="#">ELET115 Grades F2021.xlsx</a>  <a href="#">ELET115N Assessment F2021.docx</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> 2018 - 2019  <b>Result Type:</b> Criteria Met  Average of POL for all students = 8.53 out of 10.00 (12/19/2018)  <b>Total # of Students Assessed:</b> 10  <b>Related Documents:</b>  <a href="#">ELET115N-A_F2018_Assessment.docx</a>  <a href="#">Grades Fall 2018 121918.xlsx</a></p>	<p><b>Use of Results:</b> See "Related Documents" under Results for more information. (12/19/2018)</p>
		<p><b>Reporting Period:</b> 2017 - 2018</p>	<p><b>Use of Results:</b> No change</p>

Course Competencies	Assessment Methods	Results	Use of Results
		<p><b>Result Type:</b> Criteria Met Average of POL for all students = 7.25 out of 10.00 (02/05/2018) <b>Total # of Students Assessed:</b> 9 <b>Related Documents:</b> <a href="#">EET Curriculum Change Request For ELET115N and ELET121N (1).docx</a> <a href="#">ELET115N-A_F2017_Assessment.docx</a> <a href="#">ELET115N-Exam-Grades_Evals_Wksheet.xlsx</a> <a href="#">ELET Assessment Meeting Notes 020518.docx</a></p>	<p>needed. Results were above the above. See "Related Documents" under Results for more information. (02/05/2018)</p>
<p><b>3. Functions and passing and returning data</b> - Understand the use of functions, parameter passing and return values from functions. <b>Course Competency Status:</b> Active <b>Assessment Cycles:</b> 2017 - 2018 (Fall), 2018 - 2019 (Fall), 2021-2022 (Fall)</p>	<p><b>Series of Assignments</b> - Exams and Labs are used to determine the overall grade. <b>*Criterion:</b> 50% of students achieve &gt;= 7.0 out of 10.0</p>	<p><b>Reporting Period:</b> 2021-2022 (Fall) <b>Result Type:</b> Criteria Met 95% (05/31/2022) <b>Total # of Students Assessed:</b> 19 <b># of Students Meeting Criteria:</b> 18 <b>Related Documents:</b> <a href="#">ELET115 Grades F2021.xlsx</a> <a href="#">ELET115N Assessment F2021.docx</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>Series of Assignments</b> - Exams and Labs are used to determine the overall grade. <b>*Criterion:</b> Average of POL for all students &gt;= 7.0 out of 10.0</p>	<p><b>Reporting Period:</b> 2021-2022 (Fall) <b>Result Type:</b> Criteria Met Average of POL for all students = 8.97 out of 10.00 (05/31/2022) <b>Total # of Students Assessed:</b> 19 <b>Related Documents:</b> <a href="#">ELET115 Grades F2021.xlsx</a> <a href="#">ELET115N Assessment F2021.docx</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> 2018 - 2019 <b>Result Type:</b> Criteria Met Average of POL for all students = 7.11 out of 10.00 (12/19/2018) <b>Total # of Students Assessed:</b> 10 <b>Related Documents:</b> <a href="#">ELET115N-A_F2018_Assessment.docx</a> <a href="#">Grades Fall 2018 121918.xlsx</a></p>	<p><b>Use of Results:</b> See "Related Documents" under Results for more information. (12/19/2018)</p>
		<p><b>Reporting Period:</b> 2017 - 2018 <b>Result Type:</b> Criteria Met</p>	<p><b>Use of Results:</b> No change needed for this POL. Results were above</p>

Course Competencies	Assessment Methods	Results	Use of Results
		<p>Average of POL for all students = 7.62 out of 10.00 (02/05/2018)</p> <p><b>Total # of Students Assessed:</b> 9</p> <p><b>Related Documents:</b></p> <p><a href="#">EET Curriculum_Change_Request_For ELET115N and ELET121N (1).docx</a></p> <p><a href="#">ELET115N-A_F2017_Assessment.docx</a></p> <p><a href="#">ELET115N-Exam-Grades_Evals_Wksheet.xlsx</a></p> <p><a href="#">ELET Assessment Meeting Notes 020518.docx</a></p>	<p>the bar. See "Related Documents" under Results for more information. (02/05/2018)</p>
<p><b>4. C++ Control Structures -</b> Understand C++ control structures - if statements, loops, and conditional logic</p> <p><b>Course Competency Status:</b> Active</p> <p><b>Assessment Cycles:</b> 2017 - 2018 (Fall), 2018 - 2019 (Fall), 2021-2022 (Fall)</p>	<p><b>Series of Assignments -</b> Exams and Labs are used to determine the overall grade.</p> <p><b>*Criterion:</b> 50% of students achieve &gt;= 7.0 out of 10.0</p>	<p><b>Reporting Period:</b> 2021-2022 (Fall)</p> <p><b>Result Type:</b> Criteria Met 84% (05/31/2022)</p> <p><b>Total # of Students Assessed:</b> 19</p> <p><b># of Students Meeting Criteria:</b> 16</p> <p><b>Related Documents:</b></p> <p><a href="#">ELET115 Grades F2021.xlsx</a></p> <p><a href="#">ELET115N Assessment F2021.docx</a></p> <p><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>Series of Assignments -</b> Exams and Labs are used to determine the overall grade.</p> <p><b>*Criterion:</b> Average of POL for all students &gt;= 7.0 out of 10.0</p>	<p><b>Reporting Period:</b> 2021-2022 (Fall)</p> <p><b>Result Type:</b> Criteria Met Average of POL for all students = 8.17 out of 10.00 (05/31/2022)</p> <p><b>Total # of Students Assessed:</b> 19</p> <p><b>Related Documents:</b></p> <p><a href="#">ELET115 Grades F2021.xlsx</a></p> <p><a href="#">ELET115N Assessment F2021.docx</a></p> <p><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> 2018 - 2019</p> <p><b>Result Type:</b> Criteria Not Met Average of POL for all students = 5.92 out of 10.00 (12/19/2018)</p> <p><b>Total # of Students Assessed:</b> 10</p> <p><b>Related Documents:</b></p> <p><a href="#">ELET115N-A_F2018_Assessment.docx</a></p> <p><a href="#">Grades Fall 2018 121918.xlsx</a></p>	<p><b>Use of Results:</b> See "Related Documents" under Results for more information. (12/19/2018)</p>
		<p><b>Reporting Period:</b> 2017 - 2018</p> <p><b>Result Type:</b> Criteria Not Met Average of POL for all students = 6.6 out of 10.00</p>	<p><b>Use of Results:</b> This POL was less than desired (6.59 instructor assessment instead of &lt;= 7.0). The</p>

Course Competencies	Assessment Methods	Results	Use of Results
		<p>(02/05/2018)</p> <p><b>Total # of Students Assessed:</b> 9</p> <p><b>Related Documents:</b></p> <p><a href="#">EET Curriculum_Change_Request_For ELET115N and ELET121N (1).docx</a></p> <p><a href="#">ELET Assessment Meeting Notes 020518.docx</a></p> <p><a href="#">ELET115N-A_F2017_Assessment.docx</a></p> <p><a href="#">ELET115N-Exam-Grades_Evals_Wksheet.xlsx</a></p>	<p>belief is that more practice will help this improve. Prof. Poteat and Marcotte have agreed that the course should add 1 more hour of lab per week. See "Related Documents" under Results for more information. (02/05/2018)</p> <p><b>Follow-Up:</b> The extended lab time was approved and will be implemented starting F'2018 when the course is offered again. (02/09/2018 )</p> <p>As of today, a proposal has been send to the Curriculum Committee to increase the lab time from 2 to 3 hours which we believe will improve this POL. (12/16/2017)</p>