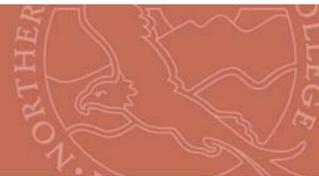




## COMPUTER LOGIC DESIGN

<b>Course Number</b>	238L
<b>Course Name</b>	COMPUTER LOGIC DESIGN
<b>Credit Value (Breakdown of theory and lab credits)</b>	4 credits, 3 Theory + 1 Lab
<b>Catalog Course Description</b>	You will study binary number systems, Boolean logic; combinatorial, sequential, and register transfer logic; VHDL; arithmetic/logic unit; memories, computer organization, input-output, and microprocessors. Prerequisites: ENGR 120 or MATH 150 and EECE 152L. (Cross-listed with CS 238L] (Spring) (4, 3T+1L)
<b>Student Learning Outcomes/Objectives /Competencies of the Course</b>	<ol style="list-style-type: none"> <li>1- Student will (a) understand binary number and other number system representations such as octal, hexadecimal; (b) understand Boolean Logic and applied to logic circuit design; (c) design combinatorial circuits; (d) understand the concept of state machine; (e) design sequential circuits; (f) implement combinatorial and sequential circuits in software and hardware.</li> <li>2- Student will develop skill in using VHDL for writing basic combinatorial and sequential circuits.</li> <li>3- Student will gain hands-on experience building and debugging combinatorial and sequential circuits.</li> </ol>
<b>College-Wide Student Learning Outcomes</b>	<p>Information regarding which of the following college-wide objectives will be addressed in the course along with which assignment will be used to measure this outcome:</p> <ol style="list-style-type: none"> <li>1. Critical Thought</li> </ol>



## SAMPLE SYLLABUS

<b>Course Number Course Name</b>	Speech 130 Public Speaking
<b>Credit Value (Breakdown of theory and lab credits)</b>	3 Theory
<b>Catalog Description</b>	Principles of rhetorical theory as applied in public speaking situations: audience analysis, content, organization, style, verbal and non-verbal expression, and critical listening. You will deliver various speeches following selected rhetorical modes. Prerequisite: ENG 109N. (3 credits)
<b>Student Learning Outcomes of the course</b>	<ol style="list-style-type: none"> <li>1. confront their speech anxiety and practice ways to control it.</li> <li>2. organize their speeches logically and effectively.</li> <li>3. develop their speeches with interesting and pertinent information from their own experience and from research.</li> <li>4. Integrate information from resources effectively and with correct MLA citations</li> <li>5. practice effective verbal and nonverbal delivery techniques.</li> <li>6. analyze their audience and design their speeches to most effectively reach the audience.</li> <li>7. develop critical responses and evaluations to speeches from classmates and other speakers.</li> </ol>
<b>College-Wide Student Learning Outcomes</b>	<p>Speech 130 learning objectives align with the following NNMC College Wide Goal:</p> <p><b>Communication</b> – Students will express ideas coherently through oral communication and speak appropriately for various audiences and situations.</p> <p>The persuasive speech will be used to assess students’ progress in meeting this goals.</p>