

<i>Problem:</i> Course Selection System functions are limited.	<i>Project Name:</i> Course Selection System Overhaul	<i>Owner:</i> Christopher Torres Vega	<i>Date:</i> 1/28/2022
<b>1.) Background &amp; Problem Statement</b>		<b>3.) Goal Statement &amp; Target Condition</b>	
<p><i>Background:</i> Choosing courses every semester can be a frustrating ordeal at times. As many factors affect the selection, these include but are not limited to: Course availability, Course times, Curriculum order, Prerequisites and Corequisites, etc. Yet some of these are observable on different places separate from the course selection page.</p> <p><i>Problem Statement:</i> The course selection process requires the reference of external factors such as the curriculum of the Major and the requisites assigned to the courses involved.</p> <p><i>Stakeholders:</i> Students, Professors, Administration Staff, Course Server System Staff</p>		<p><i>Goal:</i> Make the course selection process an easier to understand, and more accessible experience.</p> <p><i>Target Condition:</i> Courses can be referenced directly to the curriculum within the Course Selection System and course availability can be determined through a measure of the course capacity.</p>	
<b>2.) Cause Analysis</b>		<b>4.) Implementation Plan</b>	
<ul style="list-style-type: none"> <li>● <i>Why?</i> <ul style="list-style-type: none"> <li>▪ To properly select courses, students need to reference their curriculum which is on a separate page.</li> </ul> </li> <li>● <i>Why?</i> <ul style="list-style-type: none"> <li>▪ The curriculum shows all the courses students need to pass for their degree and their requirements</li> </ul> </li> <li>● <i>Why?</i> <ul style="list-style-type: none"> <li>▪ Some courses require students to take other courses before or alongside that course.</li> </ul> </li> </ul>		<p>The system catalogs the available courses for an academic semester, references them to all curriculums these courses are available to, checks if the student meets the requirements for the courses, and the estimated capacity of these courses to provide a more user-friendly course selection process.</p>	
		<b>5.) Follow-Up</b>	
		<p>Once the system is working, improvements can be made to the UI based on user feedback. Support features can be added such as the ability to view the total credits of a group of selected courses and to observe a schedule based on the selected courses.</p>	