



IT 490 CAPSTONE I (WIC)

Course Number Course Name	490 IT CAPSTONE I (WIC)
Credit Value (Breakdown of theory and lab credits)	(3, 2T+1S)
Catalog Course Description	Capstone I is a project-oriented course where students work in teams to design and implement a large IT-related project. Projects are prepared in response to an industrial or in-house sponsor. Engineering ethics and project management skills such as communication and team management are reinforced through modules during the semester, and are applied to the different stages of the project. The course finalizes with oral presentations, written reports and/or student demonstrations which are judged by a panel composed of faculty members and external guests. IT 490 is a designated Writing Intensive Course (WIC). <i>Prerequisite:</i> senior standing, Information Engineering Technology major.
Student Learning Outcomes/Objectives /Competencies of the Course	<p>Design and build IT subsystems and integrate them.</p> <p>Use project management techniques to manage IT projects.</p> <p>Develop experience using professional practices in a teamwork setting.</p> <p>Develop student capability, confidence, and maturity.</p> <p>Deliver oral presentations before technical and non-technical audiences.</p> <p>Demonstrate proficiently in writing reports in the Higher Order Concerns (Purpose, Audience, Thesis, Development, Focus, and Organization) and Lower Order Concerns.</p> <p>Demonstrate a knowledge of contemporary professional, societal and global issues.</p>
College-Wide Student Learning Outcomes	<p>IT 490 learning objectives align with the following NNMC College Wide Goals:</p> <ol style="list-style-type: none"> 1. Communication 2. Critical Thought 3. Cultural Competency

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