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| **Course Title: CWD1112 Image Processing I**  **Year and Semester:** Year 1, Semester 1 |
| **Course Description**  Digital image processing (DIP) can be defined as a transformation of an distorted image into a modified one which helps people to detect silent features without difficulty for interpretation necessary for image analysis in different study. It is an electronic data processing on a 2-D array of numbers known as pixel which is the numeric representation of any image |
| **Prerequisite(s) or co-requisite(s)**  None |
| **Method of Instruction**   * Lecture * Laboratory |
| **Content Outline by Topic**   * Image matrix, Vector matrix * Color * Image reproduction modes * Compression and Compaction * Formats and Standards |
| **Actual Contact Hours/Week**  4 hours a week for 8 weeks |
| **Methods and Frequency of Evaluation of Student Performance**  Workshops (minimum 5) 10%  Assignments (minimum 2) 4%  Quizzes (minimum 10) 3%  Test(s) 3%  Final Exam 80% |
| **Resources to be Purchased/Provided by Students:** None |
| **Textbook Requirement:** |