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| **ELEMENT** | **CONTENT** |
| DEPARTMENT | CIS |
| AUTHOR (S) | Craig Damon |
| COURSE NUMBER | **CIS 4721** |
| COURSE TITLE | **CIS Senior Project I** |
| SHORT TITLE | CIS Sr Project I |
| COURSE LEVEL | 4000 |
| DATE CREATED | 9/1/2006 |
| CHECKED/CHANGED | 2/11/2017 |
| PREREQUISITES |  |
| COREQUISITES |  |
| RESTRICTIONS | Senior standing in BS.CIT, BS.CPE, or BS.CPE |
| SPECIAL FEES | No |
| CREDITS | 2 |
| HOURS | 1 hour of lecture, 2 hours of lab per week |
| SEMESTER | Fall |
| COURSE DESCRIPTION | The course is largely a self-directed senior project in the student demonstrates mastery of the subjects covered in their computing program. This first part of a two-part course sequence, this first semester offering involves defining the eventual project and learning any necessary technologies. |
| SUGGESTED TEXTS |  |
| OPTIONAL TEXTS |  |
| COURSE OUTCOMES | The successful student will be able to:   1. Develop the requirements for a sizable project relevant to their major 2. Make appropriate use of time management skills and tools 3. Use appropriate skills and tools to design a sizable project 4. Effectively present information about a project at a range of technical detail 5. Work effectively in a group to define and design a project |
| COURSE CONTENT | 1. Discussion of project definitions 2. Discussion of technical progress and blockage on projects 3. Work on refining communication 4. Project presentations |
| LAB/STUDIO OUTCOMES |  |
| LAB/STUDIO CONTENT | Self-directed group project work with instructor support |
| LECTURE CAPACITY | 32 |
| LAB CAPACITY | 16 |
| GRADED OR P/NP | Graded |
| EVALUATION | Project presentations, design submissions |
| DELIVERY METHOD | LEC, LAB |
| ROOM REQUIREMENTS |  |
| AUTHOR’S NOTES | CPE students taking this course need to include both hardware and software in their projects. |