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| **ELEMENT** | **CONTENT** |
| DEPARTMENT | CIS |
| AUTHOR (S) | Craig Damon |
| COURSE NUMBER | **CIS 4140** |
| COURSE TITLE | **Human Computer Interaction** |
| SHORT TITLE | Human/Comp Interact |
| COURSE LEVEL | 4000 |
| DATE CREATED | 11/16/2008 |
| CHECKED/CHANGED | 2/10/2017 |
| PREREQUISITES | CIS 1152 or 2260 |
| COREQUISITES |  |
| RESTRICTIONS |  |
| SPECIAL FEES | No |
| CREDITS | 3 |
| HOURS | 3 hours of lecture per week |
| SEMESTER | As required |
| COURSE DESCRIPTION | The course covers the design, implementation, and evaluation of user interfaces for computers and other modern, complex electronic equipment. |
| SUGGESTED TEXTS | *Human-Computer Interaction*; Preece et al. |
| OPTIONAL TEXTS |  |
| COURSE OUTCOMES | The successful student will be able to:   1. Evaluate a user interface 2. Design a user interface 3. Implement a user interface |
| COURSE CONTENT | 1. Psychological background for UI design 2. Impact of input/output capabilities on UI 3. UI evaluation 4. User trajectories and story-telling 5. Prototyping 6. Design paradigms and guidelines 7. Common implementation considerations 8. Future of user interfaces 9. Extra topics as time permits |
| LAB/STUDIO OUTCOMES |  |
| LAB/STUDIO CONTENT |  |
| LECTURE CAPACITY | 32 |
| LAB CAPACITY |  |
| GRADED OR P/NP | Graded |
| EVALUATION | Homework assignments, project, exams |
| DELIVERY METHOD | LEC |
| ROOM REQUIREMENTS |  |
| AUTHOR’S NOTES | Graduate-level cross-listed course is CIS 5140. Graduate students will make two class presentations: one heuristic evaluation and one topic of current research in HCI. |