**PSYC 530-002: Cognitive Engineering**

**(Fall 2019)**

**04:30 PM to 07:10 PM R David King Hall 2073A**

**Instructor:** Prof. William “Deak” Helton

**Office:** 2063 David King Hall

**Office Hours:** By appointment.

**Phone:** TBA

**Email:** [whelton@gmu.edu](mailto:whelton@gmu.edu) - note if you email **please use PSY530 in the subject line** otherwise it may get screened out as spam.

**Text:** No text book –papers will be distributed or links provided.

**Objective:** The course will provide you with an understanding of contemporary theories and research on human performance.

**Technology:** Powerpoint, computers, internet

**Honor Code:** GMU has an honor code. Follow it or the instructor may have to turn you in for violating it. This could have severe consequences, like failing this course, etc.

**Disabilities:**  If you are a student with a disability and you need academic accommodations, please contact me and contact the Disability Resource Services (DRS) at 703-993-2474. Accommodations have to be made officially through the Disability Resource Services office.

**Attendance Policy:** I expect you to come to class unless I have otherwise provided notice of no class meeting.

**Cancellation or Change Policy:** If anything needs to be cancelled, then the class will be emailed as soon as possible and alternative arrangements will be made.

**Grades:** Your grade will consist of marks from participation, a chapter topic review, and the written report and in class presentation from a product/process/task/service review.

**Participation (10%):** Even though attendance will not be recorded every time we meet, you will be expected to come to class and participate in classroom discussions. Your participation will be noted and will factor in the final grade.

**Engineering Psychology Topic Review (30%):** You will be randomly assigned one of the chapters of the core text in the field: *Engineering Psychology and Human Performance*. Your assignment will be to provide a written report covering two aspects of the chapter: (a) the usability of the chapter from a student’s perspective (what could be improved, etc.) and (b) find recent examples where the topic applies and/or the chapter lacks coverage. This will be due electronically by September 20th and your review will be distributed to the entire class - this will serve for further discussion on pertinent topics.

**Product/Process/Task/Service Review**

**Written Report (30%):** You will be required to perform a conceptual Cognitive Ergonomics investigation of a product/process/task/service of your choice. The choice itself will need to be cleared by the instructor prior to beginning. The write up of the project will be relatively short – no more than 10 pages, Times New Roman 12pt font, and double spaced. You will use APA style. The write up of the project will be graded both on style (communication) and content (what is communicated). The target audience should be an informed layperson (so imagine a business manager or entrepreneur; not a Human Factors professional). The written report will be due by November 29th.

**Presentation (30%)**: We will use the last two course sessions to enable everyone to present the findings of their written reports. The presentation should be 12 min, enabling an additional 3 min for questions.

**Grading Scale**

A+ 97+

A 93-96

A- 90-92

B+ 87-89

B 83-86

B- 80-82

C+ 77-79

C 73-76

C- 70-72

D 60-69

F 0-59

**Important Dates**

**Dates and deadlines listed on this page include full semester and 7.5 Week Sessions only. Students enrolled in courses in the**[**8 Week Modular**](https://registrar.gmu.edu/calendars/fall-2019/fall-2019-2/)**Calendar need to refer to that calendar for their add/drop dates. *Students in the modular calendar cannot also take courses in the full semester academic calendar. Academic calendar dates are subject to change*.**

**For add/drop deadlines for courses that meet less than a full semester, see**[**Non-standard Sections Dates**](https://registrar.gmu.edu/calendars/fall-2019/#nonstandard)**.**

**For graduation deadlines, please go to the**[**Graduation Timelines**](http://registrar.gmu.edu/students/graduation/timelines/)**page.**

|  | **Full Semester** | **7.5 Week: Session I** | **7.5 Week: Session II** |
| --- | --- | --- | --- |
| **Schedule of Classes Available in PatriotWeb** | **March 11** | **March 11** | **March 11** |
| **Priority Dates Begins** | **April 2** | **April 2** | **April 2** |
| **Consortium Registration Deadline** | **TBD** | **N/A** | **N/A** |
| **Tuition Payment Due Date** | **August 26** | **August 26** | **August 26** |
| **First day of classes** | **August 26** | **August 26** | **October 21** |
| **Last Day to Submit:Domicile Reclassification Application** | **August 26** | **August 26** | **August 26** |
| **Labor Day: University Closed** | **September 2** | **September 2** | **N/A** |
| **Last day to add classes:All individualized section forms due** | **September 3** | **August 28** | **October 23** |
| **Last Day to Drop: With 100% Tuition Refund** | **September 9** | **August 30 (Final Drop Deadline)** | **October 25 (Final Drop Deadline)** |
| **Drop period begins: 50% Tuition Refund Period Begins** | **September 10** | **N/A** | **N/A** |
| **Final Drop Deadline: Last Day with 50 % TuitionRefund** | **September 17** | **N/A** | **N/A** |
| **Student Self-Withdrawal Period: (100% Tuition Liability)** | **September 18 – September 30** | **August 31 – September 13** | **October 26 – November 7** |
| **Midterm progress reporting period (100-200 level classes)—grades available via**[**Patriot Web**](http://patriotweb.gmu.edu/) | **September 23 – October 18** | **N/A** | **N/A** |
| **Selective Withdrawal Period:(undergraduate students only) (100% tuition liability)** | **October 1 – October 29** | **September 14 – September 20** | **November 8 – November 14** |
| **Fall Break(Monday classes/labs meet Tuesday. Tuesday classes do not meet this week)** | **October 14** | **N/A** | **N/A** |
| **Incomplete work from spring/summer 2019 due to instructor** | **October 25** | **N/A** | **N/A** |
| **Incomplete grade changes from spring/summer 2019 due to Registrar** | **November 1** | **N/A** | **N/A** |
| **Thanksgiving recess(No Classes)** | **November 27- December 1** | **N/A** | **November 27 – December 1** |
| **Dissertation/Thesis Deadline** | **December 6** | **N/A** | **N/A** |
| **Last day of classes** | **December 7** | **October 14** | **December 11** |
| **Reading Day(s) Reading days provide students with additional study time for final examinations. Faculty may schedule optional study sessions, but regular classes or exams may not be held.** | **December 9 – December 10** | **N/A** | **N/A** |
| **Exam Period** | **December 11 –December 18** | **October 15 – October 16** | **December 12 – December 13** |
| [**Winter Graduation Ceremony**](https://events.gmu.edu/commencement/winter-graduation/) | **Thursday, December 19** | | |
| **Degree Conferral Date** | **Saturday, December 21** | | |

**Calendar: TBA**