Syllabus: PSY 485: Human Factors in Healthcare Capstone

Course Title: PSY 485: Human Factors in Healthcare Capstone

Semester: Fall 2024

Instructor: Dr. Megan Carter

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Office Phone: (480) 727-5280

Office Hours: Thursdays 9:00-11:30 AM OR by appointment

Class Time & Place: Monday or Wednesday 1:15-2:30 PM in SANCA 170

Course Description:

This course delves into the role of human factors in healthcare, focusing on the design and evaluation of systems that improve patient safety, efficiency, and user experience. Students will undertake a capstone project that addresses a critical issue in healthcare, develop a project proposal, conduct research or implement an applied project, and present their findings through a final report, poster, and elevator pitch at the Innovation Showcase.

Course Objectives:

Complete a project focused on human factors in healthcare.

Develop a project proposal with clear objectives, methods, and expected outcomes.

Produce a detailed final report analyzing the project's impact on healthcare.

Present the project professionally at the Innovation Showcase.

Learning Outcomes:

Understand the importance of human factors in improving healthcare systems.

Develop skills in healthcare system design and evaluation.

Enhance project management, technical writing, and presentation skills.

Work effectively both independently and in teams to solve healthcare challenges.

Evaluation:

Class meetings (5): 20 points

Individual meetings (3): 12 points

Project Proposal: 10 points

Revised Proposal: 13 points

Final Report: 25 points

Presentation: 10 points

Poster: 10 points

Total: 100 points

Course Policies:

Attendance and Participation: Regular attendance and active participation are crucial for success in this course. Students are expected to attend all scheduled class meetings and individual sessions. If a student is unable to attend a class, they should inform the instructor in advance and arrange to complete any missed work.

Academic Integrity: All students must adhere to ASU's academic integrity policy. Any form of academic dishonesty, including plagiarism, will be reported and may result in severe penalties, including a failing grade for the course.

Accommodations: Students with disabilities or special needs should contact the ASU Disability Resource Center to arrange appropriate accommodations and notify the instructor as soon as possible.

Important Dates:

Class Week 1: Introductions & Project Brainstorming (Aug 26)

Individual Meeting #1: Discuss Ideas and Readings (Sep 4)

Class Week 2: Proposal Presentation & Group Feedback (Sep 18)

Individual Meeting #2: Proposal Feedback & Methods Discussion (Oct 2)

Class Week 3: Revised Proposal Presentation & CERTT Tour (Oct 23)

Individual Meeting #3: Data Analysis & Progress Review (Nov 13)

Class Week 4: Professional Development & Project Discussion (Nov 27)

Innovation Showcase: Final Presentations & Poster Display (Dec 6)