



THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Cognitive Systems Engineering Research Practicum

ISE 7710

Credit Hours:

3.00 - 3.00

Course Levels:

Graduate

Course Components:

Lecture

Lab

Course Description:

Builds upon theoretical information developed in advanced cognitive systems engineering courses. Provides link between theory and application of cognitive systems engineering principles.

Course Goals / Objectives:

- Ability to link particular cognitive system problems to previous research results and methods to define research plan
 - Design a program of research using multiple methods (knowledge elicitation, staged world simulations, lab studies, and field observations to model a theme in cognitive systems engineering
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Course Topics:

- Data collection procedures and data analysis techniques to analyze cognitive processes and team work.
 - Human subjects protection.
 - Design and evaluation study of a proposed new cognitive support system
 - Linking results to models, simulations and design requirements.
 - Preparing a manuscript documenting the results of the study in the form required by a scientific journal. If appropriate, submitting the manuscript to a journal or for presentation at a professional conference.
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Designation:

Elective