PSYC 719 Human Factors in Artificial Intelligence

Course Detail

Career	Graduate
Units	1.00
Grading Basis	Graded
Course Components	Lecture Required
Academic Group	College of Liberal Arts
Academic Organization	Psychology

Enrollment Information

Typically Offered	Fall

Description

This course will provide students with fundamental information for human-centered design of applications of artificial intelligence. There are three parts to the course: The first part is about methods of design and evaluation. The second part introduces students to the psychology of sensation and perception, memory, attention, judgment, decision-making, and problem solving, as well as human error and reliability. Finally, students will become familiar with design principles as they apply to displays and controls, human-computer interaction, human-automation interaction, and human-centered automation. Guest lectures and case studies will be examined to illustrate topics covered in it and to provide a survey of the current state of AI research, development, and controversies. Ethics and moral responsibility in technology development, with links to current policy debates, are also discussed in this context.