Human Factors and Ergonomics: Approved Courses

This course list is approved for students entering Fall 2023.
Courses not appearing on this list must be approved by the Director of Graduate Studies prior to registration.

Course	Title	Cr	Fundamentals	Cognitive	Physical	Required Sequence (Choose X1 or X2)	Research Ethics	Graduate Seminar	Other Research Methods	User Interface Design	Fulfills Plan C Master's 50% Project Requirement	Other	Term most frequently offered
Anth 4035	Ethnographic Research Methods	3							X				Spring, every year
CgSc 8410	Perspectives in Learning, Perception, and Cognition	2										X	Fall & Spring every year
CSci 5115	User Interface Design, Implementation, & Evaluation	3								X	X		Fall, every year
CSci 5125	Social & Collaborative Computing	3										X	Spring, even years
CSci 5609	Visualization (formerly 5109)	3								X	X		Fall even year
CSci 5619	Virtual Reality and 3D Interaction	3								X	X		Spring, odd years
CSci 8115	Human Computer Interaction & User Interface Technology	3								X			Periodic Fall & Spring
Des 5165	Design and Globalization`	3										X	Fall, every year
Des 5185	Human Factors in Design	3	X								X		Fall, every year
Des 5188	Anthropometrics, Sizing, & Fit	4			X								Periodic Fall & Spring
Des 5901	Principles of Wearable Technology	2									X		Spring, every year
Des 5902	Wearable Technology Laboratory Practicum	2									X		Periodic Spring
Des 8102	Quantitative Research Methods and Data Visualization	3				X-1							Spring, every year
Des 8103	Qualitative Research Methods in Design	3				X-1							Fall, every year
Des 8151	Product Development	3									X	X	Spring, odd years
Des 8181	Research Ethics	1					X						Fall & Spring every year
EPsy 8114	Seminar: Cognition and Learning	3		X									Periodic Fall & Spring
GDes 8361	Color, Design, and Human Perception	3										X	Periodic Fall & Spring
HumF/Kin 5001	Foundations of Human Factors	3	X										Periodic Fall
HumF/ME 5211	Human Factors & Work Analysis	4	X										Fall, every year
HumF 5874	Human Centered Design to Improve Complex Systems	4	X								X		Spring, every year
HumF 8901	Human Factors & Ergonomics (HFE) Graduate Seminar	1						X					Fall, every year
IDSc 8721	Behavioral Decision Theory	3		X									Periodic Fall & Spring
Kin 4133	Perceptual-Motor Control and Learning	3			X								Fall & Spring every year
Kin 4136	Embodied Cognition	3			X								Fall & Spring every year
Kin 5235	Advanced Biomechanics: Kinetics II	3			X								Spring, odd years
Kin 5505	Human-Centered Design: Principles & Applications	3			X								Fall, every year
Kin 5643	Applied Motion Capture and Movement Analysis Technology	3			X								Fall, every year
Kin 5981	Research Methodology in Kinesiology, Recreation, and Sport	3							X				Every Fall
Kin 8211	Seminar: Perception & Action	3			X								Periodic Spring
Mktg 8813	Consumer Judgment and Decision Making I	2										X	Periodic Fall & Spring

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Nurs 7118	Human Factors & Human-Computer Interaction in Health Informatics	3								X			Spring, every year
Psy 5014	Psychology of Human Learning and Memory	3		X									Spring, odd years
Psy 5015	Cognition, Computation, & Brain	3		X									Spring, even years
Psy 5031W	Perception	3		X									Fall, odd years
Psy 5037	Psychology of Hearing	3		X									Periodically
Psy 5062	Cognitive Neuropsychology	3		X									Fall, every year
Psy 5064	Brain and Emotion	3		X									Spring, odd years
Psy 5501	Vocational & Occupational Health Psychology	3										X	Spring, every year
Psy 5708	Organizational Psychology	3										X	Spring, every year
Psy 5862	Psychological Measurement: Theory and Methods	3										X	Fall, every year
Psy 8041	Proseminar in Perception	3		X									Fall, odd years
Psy 8042	Proseminar in Cognition, Brain, and Behavior	3		X									Fall, even years
Psy 8201	Social Cognition	3		X									Periodic Fall
Psy 8814	Analysis of Psychological Data	4				X-2							Fall, every year
Psy 8815	Analysis of Psychological Data	4				X-2							Spring, every year
Psy 8960	Graduate Seminar in Psychology: Multivariate Statistics for Social Scientists (ONLY this topic)	3											Fall & Spring, every year
PubH 6120	Injury Prevention	2										X	Spring, every year
PubH 6140	Occupational & Environmental Epidemiology	2										X	Spring, every year
PubH 6341	Epidemiological Methods I	3							X				Fall, every year
PubH 6342	Epidemiological Methods II	3							X				Spring, every year
PubH 6343	Epidemiological Methods III	4							X				Fall, every year
PubH 6806	Principles of Public Health Research	2										X	Fall & Spring every year
PubH 7406	Advanced Regression & Design	4											Spring, every year
RSC 5135/8135	Advanced Biomechanics I: Kinematics	3			X								Fall, odd years
Soc 8412	Social Network Analysis: Theory & Methods	3										X	Period Fall
Stat 5021	Statistical Analysis	4											Every Fall & Spring
Stat 5303	Designing Experiments	4											Every semester
Writ 5501	Usability & Human Factors in Technical Communication	3								X	X		Spring, every year
Writ 8520	Seminar in Scientific and Technical Communication	3								X			Periodic Fall & Spring

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