

# USER EXPERIENCE (UX)

## UX 60501 INTRODUCTION TO USER EXPERIENCE 3 Credit Hours

This course provides a comprehensive overview of User Experience (UX) from various perspectives, including the origins of UX as a professional discipline, the goals and values of UX within organizations, and elements of UX practice. It further introduces roles and contributions of specialization areas within UX, as well as the principles of user experience design. Students will develop and document their professional development goals.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## UX 60502 USER EXPERIENCE PROCESSES AND PRACTICE 3 Credit Hours

Students engage in a structured walkthrough of the major goals, responsibilities, and elements of User Experience (UX) in an agile environment. This course introduces important models of iterative design processes and the professional practices of research, design, prototyping, testing and team communication. Students will explore personal goals for specialization in UX.

**Prerequisite:** Graduate standing.

**Pre/corequisite:** UX 60501.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## UX 60503 FUNDAMENTALS OF INTERACTION DESIGN 3 Credit Hours

This course offers students a comprehensive understanding of interaction design principles and their practical implementation. It covers the concept of prototyping, enabling students to create their own prototypes, and refine them based on peer feedback.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## UX 60504 ACCESSIBILITY AND UNIVERSAL DESIGN 3 Credit Hours

This course will provide user experience researchers and designers with the skills to evaluate technology accessibility, as well as an understanding of the principles of universal design and how they guide and influence the design of digital experiences

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## UX 60511 INFORMATION ARCHITECTURE FUNDAMENTALS 3 Credit Hours

Introduction to the fundamental concepts of information architecture (IA) and underlying cognitive processes of concept structure and information categorization. Students develop practical skills for content analysis and the design and evaluation of information architectures. Major topics include organization, navigation, labeling and design for finding.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## UX 60521 DATA-DRIVEN INTERACTION FUNDAMENTALS 3 Credit Hours

Recent technological advances, particularly in machine learning (ML) and artificial intelligence (AI), have ushered in a new era of data-driven interactions between users and technology. This course is designed to prepare students for UX careers in these data-driven environments by providing a fundamental understanding of data, databases, ML, and AI. Students will explore the future of user experience shaped by ML and AI and discuss the ethical dimensions of this evolution, including issues of fairness, accountability and transparency.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## UX 60531 DISCOVERY RESEARCH FUNDAMENTALS 3 Credit Hours

In order to design a successful user experience, UX professionals seek to discover users' needs, goals and tasks. This course covers discovery research methods such as interviews, surveys, diary studies and other methods applicable to the formative stages of the design process.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## UX 60541 USER EXPERIENCE EVALUATION FUNDAMENTALS 3 Credit Hours

Evaluating prototypes and products is a critical component of user experience design. This course covers qualitative and quantitative evaluation methods, such as heuristic evaluation, cognitive walkthrough, usability testing, A/B testing and experimental design. Students will learn how to choose evaluation methods, how to conduct them and how to communicate the results of evaluations.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

## UX 60691 SEMINAR IN USER EXPERIENCE 1-3 Credit Hours

(Repeatable for credit) (Slashed with UX 80691) Advanced research by students who are qualified to examine problems of certain special areas in user experience.

**Prerequisite:** Graduate standing.

**Schedule Type:** Seminar

**Contact Hours:** 1-3 other

**Grade Mode:** Standard Letter

## UX 60693 VARIABLE TITLE WORKSHOP IN USER EXPERIENCE 1-3 Credit Hours

(Repeatable for credit) Intensive examination of special topics of interest to those involved in user experience.

**Prerequisite:** Graduate standing.

**Schedule Type:** Workshop

**Contact Hours:** 1-3 other

**Grade Mode:** Satisfactory/Unsatisfactory

## UX 60792 ELECTIVE INTERNSHIP IN USER EXPERIENCE 2-3 Credit Hours

(Repeatable for credit) Supervised work experience in user experience design of a professional nature of not less than 100 clock hours (for 2 credit hours) or 150 clock hours (for 3 credit hours).

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 6.33-10 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**UX 61095 SPECIAL TOPICS IN USER EXPERIENCE 1-3 Credit Hours**

(Repeatable for credit) (Slashed with UX 81095) Offered irregularly as resources and or opportunities permit. Topics could include current or emerging issues in user experience.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 1-3 lecture

**Grade Mode:** Standard Letter

**UX 61096 INDIVIDUAL INVESTIGATION IN USER EXPERIENCE 1-3 Credit Hours**

(Repeatable for credit). Individual investigation in areas not covered by the existing curriculum for master's level students.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 3-9 other

**Grade Mode:** Standard Letter-IP

**UX 66199 THESIS I 2-6 Credit Hours**

Thesis students must register for a total of 6 hours, 2 to 6 hours in a single semester distributed over several semesters if desired.

**Prerequisite:** UX 60501 and UX 60502 and UX 60503 and UX 60504; and a minimum 3.000 overall GPA; and graduate standing; and special approval.

**Schedule Type:** Masters Thesis

**Contact Hours:** 6-18 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**UX 66299 THESIS II 2 Credit Hours**

Thesis students must continue registration each semester until all degree requirements are met.

**Prerequisite:** UX 66199; and graduate standing; and special approval.

**Schedule Type:** Masters Thesis

**Contact Hours:** 6 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**UX 80691 SEMINAR IN USER EXPERIENCE 1-3 Credit Hours**

(Repeatable for credit) (Slashed with UX 60691) Advanced research by students who are qualified to examine problems of certain special areas in user experience.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Seminar

**Contact Hours:** 1-3 other

**Grade Mode:** Standard Letter

**UX 81095 SPECIAL TOPICS IN USER EXPERIENCE 1-3 Credit Hours**

(Repeatable for credit) (Slashed with UX 61095) Offered irregularly as resources and or opportunities permit. Topics could include current or emerging issues in user experience.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 1-3 lecture

**Grade Mode:** Standard Letter

**UX 81096 INDIVIDUAL INVESTIGATION IN USER EXPERIENCE 1-3 Credit Hours**

(Repeatable for credit). Research or individual investigation in areas not covered by the existing curriculum for doctoral level students.

Deliverables determined with instructor of record.

**Prerequisite:** Doctoral standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 3-9 other

**Grade Mode:** Standard Letter-IP