

AI UX Course Syllabus

Learn to integrate AI tools into the entire UX process from research and ideation through prototyping and testing while keeping user insight and creativity at the center in this AI for UX Design course. Through hands on projects and guided instruction, learn to streamline repetitive tasks, generate stronger ideas, and optimize workflows using leading AI tools.

You will gain experience with effective prompt writing, persona and journey map creation, automated usability testing support, and prototype generation. By the end, you will have the confidence and skills to apply AI effectively in your design process and lead AI adoption conversations within your organization.

What you learn in this AI UX course

- How AI integrates into UX workflows including research, ideation, prototyping, and testing
- How to select and apply the right AI tools for specific UX tasks
- Effective prompt writing strategies to guide AI toward useful outputs
- Ways to automate research transcription, documentation, and repetitive tasks
- Methods to analyze and synthesize user feedback with AI support
- Best practices for balancing AI automation with user centered creativity
- How to evaluate and measure the impact of AI on project outcomes

AI for UX Course Topics

AI Essentials for UX Design

- Introduction to AI in UX design workflows
- Balancing human creativity and automation
- Understanding AI capabilities and limitations
- Identifying opportunities for AI integration in UX
- Case studies of AI accelerated UX processes

AI Tool Overview

- Overview of conversational AI tools such as ChatGPT and Copilot
- Using Midjourney and other generative image models for UX concept visualization
- Exploring AI tools for wireframe and interface generation
- Figma AI plugins for faster prototyping
- Evaluating new and emerging AI powered design platforms

Prompting Strategies

- Fundamentals of writing clear and structured prompts
- Prompt engineering for research synthesis
- Prompts for idea generation and creative brainstorming
- Iterative prompting for refining outputs
- Minimizing trial and error through structured workflows

Ethical Considerations

- Copyright and intellectual property concerns with AI generated assets
- Deepfake risks and brand safety issues
- Bias in AI systems and its effect on user experience
- Privacy concerns in AI supported research
- Establishing responsible use policies for design teams

AI for Research & Ideation

- Automating market and competitor analysis
- Generating and refining user personas
- Creating customer journey maps using AI
- Using AI to analyze qualitative research and survey data
- Expanding concept development with AI assisted brainstorming
- Rapid idea sketching and concept boards with AI support

AI for UX Prototyping & Testing

- Wireframe and prototype generation with Figma plugins
- Generating test plans, interview guides, and usability scripts
- Analyzing usability test results with AI for faster synthesis
- Automating repetitive UX documentation tasks
- Integrating AI prototypes into iterative design cycles

AI Optimized Workflows

- Designing AI augmented systems that support quality and speed
- Balancing automation with designer judgment and creativity
- Integrating AI tools into daily UX processes
- Workflow strategies for reducing design task time by 50 to 80 percent
- UX design processes with AI adoption

Team Collaboration & Impact

- Incorporating AI into team-based design projects
- Using plugins and shared AI resources for collaboration
- Establishing best practices for AI enhanced teamwork
- Evaluating the impact of AI on efficiency and project outcomes
- AI adoption within organizations

AI UX Course Faculty

The faculty teaching Artificial Intelligence for User Experience Design courses at American Graphics Institute are experts in the fields of UX and AI. They hold advanced degrees in Human Factors Information Design, have managed UX labs, and conduct extensive research in the use of AI in design. Outside of AGI they teach at leading universities.

Custom, private, and corporate AI UX courses

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