COURSE SYLLABUS

AI UX & UI Design Bootcamp

This bootcamp focuses on practical AI workflows for UX/UI design.

> Group classes (Live Online) and onsite training are available for this course. For more information, email onsite@graduateschool.edu or visit: https://www.graduateschool.edu/certificates/ai-ux-ui-bootcamp



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Course Outline

This package includes these courses

- Figma Bootcamp (12 Hours)
- Figma Advanced Course (6 Hours)
- UX Design Foundations Course (12 Hours)
- UX & UI Design Bootcamp (114 Hours)
- AI for UX & UI Design (18 Hours)
- AI Coding Bootcamp with Claude Code (60 Hours)
- AI UX Design Portfolio Development (60 Hours)

Figma Bootcamp

Learn how to design and prototype user interfaces with Figma, the industry-leading tool for UX/UI design.

- Create UI (user interface) and UX (user experience) designs for websites, apps, and more
- Design finished layouts that are optimized for mobile, tablet, and desktop screens
- Design on grids, extract image assets, share designs with clients/developers, and more
- Build interactive prototypes
- Make animations using Smart Animate
- Use components (including variants) to make updating your designs easier
- Work with Team libraries to share style and design components

Figma Advanced Course

- Explore Figma's advanced prototyping features
- Learn how to use variables and variable modes
- Use conditionals to add advanced interactivity to prototypes
- Create light and dark modes using variable collections
- Use primitive and semantic layers when building a design system

UX Design Foundations Course

- What user experience design is
- How UX Designers work
- The overall UX design process
- UX research methods: user interviews, observations, heuristics, etc.
- UXD terminology and deliverables: personas, journey maps, scenarios, etc.
- Sketching and the iterative design process
- How to document and present your work

UX & UI Design Bootcamp

- Conduct user research through interviews, surveys, competitive analysis, and usability testing to better understand user needs
- Create personas, journey maps, user flows, and information architecture to organize insights and guide design decisions
- Design wireframes, responsive layouts, and polished UI screens for web and mobile interfaces
- Apply usability principles, accessibility best practices, and common UI patterns to create clear, user-friendly experiences
- Build interactive prototypes and refine designs based on feedback, usability findings, and project goals
- Document your research, design process, and final solutions in a portfolio-ready UX case study

AI for UX & UI Design

- Construct a reusable AI workspace that supports a UX project from research through prototyping and testing
- Apply AI to research analysis and to forming evidence-based product opportunities, journeys, and priorities
- Determine appropriate levels of AI agency, from independent action to leaving control with the user
- Produce inclusive AI-powered user flows that address accessibility, uncertainty, and error recovery
- Convert structured Figma designs into working prototypes using AI-assisted development tools
- Review AI-generated work for design quality, accessibility, consistency, trust, and user control

AI Coding Bootcamp with Claude Code

- Explain how Claude Code supports real software development workflows
- Use prompting, steering, context management, and Plan Mode to direct AI output more effectively
- Apply Git and GitHub workflows, including branching, pull requests, and review practices
- Understand core web development concepts, including frontend, backend, JavaScript, APIs, and DNS
- Build a full-stack application with authentication, a database, external APIs, and responsive design
- Apply testing, security, and deployment practices to launch a production-ready project

AI UX Design Portfolio Development

- Define and plan UX/UI app projects that align with your portfolio goals and design interests
- Create live applications such as portfolio sites, case study builders, research libraries, and UX dashboards
- Develop tools for journey maps, service blueprints, usability reviews, accessibility audits, and design handoff workflows
- Apply AI app development tools to produce responsive interfaces, database-driven functionality, and interactive user flows
- Add practical features such as authentication, contact forms, file uploads, AI-assisted insights, reports, and custom domains
- Launch and document three completed projects that showcase UX strategy, UI design, AI-assisted workflows, and technical execution