HMI - UX/UI: Google AI Studio / Claude Design / Figma

Total Duration: 40 Hours

Prerequisites

Fundamental knowledge of the Figma design tool and interface.

Course Summary

This intensive 40-hour curriculum equips modern product designers, developers, and UX practitioners with cutting-edge workflows leveraging **Google AI Studio**, **Claude Design**, and **Figma Make** (Figma AI). Participants will master prompt-driven user experience architecture, generative UI creation, multimodal prototyping, and programmatic design systems through structured hands-on labs.

Target Audience

- **UX/UI Designers:** Supercharge workflows with generative AI, rapid design variations, and Figma AI integrations.
- **Frontend Developers:** Bridge user intent, design systems, and production code.
- **Product Managers & Founders:** Accelerate MVP ideation, user flow testing, and prototyping.

Day 1: Foundations of Generative UI & AI-Driven UX Strategy

Module 1: AI-Powered UX & Design Thinking

- Generative UI and agentic workflows.
- Prompting based on HMI principles.
- **Lab:** Write structured design briefs for UI generation.

Module 2: AI Studio & Multimodal Prototyping

- Explore models and playground tools.
- Contextual research via text, image, and audio.
- **Lab:** Multimodal prompt pipeline for user personas.

Day 2: Advanced Layout Exploration & Figma Make Integration

Module 3: AI Studio Layout Variations

- Automate layouts and structured JSON outputs.
- Iterate designs with AI parameter tuning.
- **Lab:** Generate multiple dashboard layout concepts.

Module 4: Figma Make UI Ideation

- Text-to-design wireframing directly in canvas.
- AI-assisted layer renaming and structuring.
- **Lab:** Prompt first-pass UI screens using Figma Make.

Day 3: Design Systems, Tokens, & Claude Design Architecture

Module 5: Claude Design Systems

- UX-first flow generation in Claude.
- Extract foundational design tokens (colors, typography).
- **Lab:** Build custom design system and validate contrast.

Module 6: Git Sync & Figma Make

- Git repo as a common share point.
- Direct updates to Figma Make prototypes.
- **Lab:** Sync prototype changes via Git repository.

Day 4: Full User Flows & Accessibility Auditing

Module 7: Multi-Screen Prototyping

- Craft complete end-to-end user flows.
- Use existing Figma designs to create prototypes in Figma Make.
- **Lab:** Build mobile onboarding flow using existing assets and AI states.

Module 8: Accessibility & QA

- Self-audit for WCAG compliance using AI checklists.
- Optimize touch targets and cross-device scaling.
- **Lab:** AI-guided accessibility audit and manual gap patching in Figma.

Day 5: Production Hand-off & Capstone Project

Module 9: Hand-off, Git Sync & Documentation

- Export clean design documentation and component guidelines.
- Sync prototypes with changes from Claude and Gemini using Git repository and Figma Make.
- **Lab:** Package tokens, sync via Git in Figma Make, and prep hand-off.

Module 10: Capstone Project

- Synthesize research (Gemini).
- Generate components (Claude / Figma Make).
- **Lab:** Deliver an end-to-end multi-view prototype.