



# Graphic Design with AI

Course Syllabus



# COURSE DESCRIPTION

This course explores the intersection of graphic design and artificial intelligence (AI), equipping students with the skills to leverage AI tools in their design processes.

Participants will gain hands-on experience in incorporating AI technologies into their creative workflows, from Adobe Photoshop with AI integration to mastering vector graphics in Adobe Illustrator.

# COURSE INFO

## Prerequisite knowledge

- Basic understanding of graphic design principles
- Familiarity with Adobe Creative Suite (especially Photoshop and Illustrator)

## Target Audience

- Graphic designers seeking to enhance their skill set with AI integration
- Students pursuing a career in graphic design and AI
- Professionals in related fields interested in the intersection of design and AI

## Additional Information

- Access to Adobe Creative Suite software
- Willingness to explore and experiment with new design technologies

# MODULES

1. Introduction to Graphic Design with AI
2. Adobe Photoshop with AI Integration
3. Adobe Illustrator and Vector Graphics
4. AI Tools in Graphic Design
5. Integrating AI in Typography Design
6. AI-enhanced Color Theory in Design
7. AI-assisted Logo Design
8. AI in Layout and Composition
9. AI-driven Image Recognition in Design
10. Motion Graphics and AI
11. AI-powered User Experience (UX) Design
12. AI-generated Art and Creativity
13. Project Work: Combining AI and Traditional Techniques
14. Future Trends and Beyond

Note: The modules and subtopics provided here are suggestions and can be tailored based on the specific requirements.



# MODULE 1

## Introduction to Graphic Design with AI

- Overview of AI in graphic design
- Historical context and evolution
- Impact of AI on the design industry
- Ethical considerations in AI-driven design
- Future trends and possibilities

# MODULE 2

## Adobe Photoshop with AI Integration

- Understanding AI-powered features in Photoshop
- Image enhancement using AI algorithms
- AI-based object removal and content-aware fill
- Automating repetitive tasks with AI
- Practical applications in photo manipulation

# MODULE 3

## Adobe Illustrator and Vector Graphics

- Advanced vector graphics techniques
- Integrating AI for precise shape recognition
- AI-assisted color palette creation
- Dynamic vector patterns using AI
- Creating responsive designs with AI-generated vectors

# MODULE 4

## AI Tools in Graphic Design

- Overview of popular AI tools for designers
- Implementing style transfer in design projects
- Using AI for layout suggestions and composition
- AI-generated typography and font selection
- Collaborative design using AI platforms

# MODULE 5

## Integrating AI in Typography Design

- AI-driven font pairing and selection
- Creating custom fonts with machine learning
- Dynamic and responsive typography
- AI in kerning and spacing optimization
- Exploring experimental AI typography projects

# MODULE 6

## AI-enhanced Color Theory in Design

- Analyzing color trends with AI
- AI-driven color palette generation
- Color grading and correction with AI algorithms
- Creating accessible designs using AI
- Real-time color adjustments with AI tools

# MODULE 7

## AI-assisted Logo Design

- Logo design principles and trends
- AI-powered logo generation tools
- Customizing logos with machine learning
- Incorporating brand identity using AI
- Critiquing and refining AI-generated logos

# MODULE 8

## AI in Layout and Composition

- AI-based design layout suggestions
- Grid systems with AI optimization
- Responsive design using AI algorithms
- Enhancing visual hierarchy with AI
- Crafting interactive designs with AI assistance

# MODULE 9

## AI-driven Image Recognition in Design

- Image recognition basics for designers
- AI for automatic image tagging and categorization
- Designing with AI-identified themes
- Exploring AI-powered image searches
- Ethical considerations in AI image recognition

# MODULE 10

## Motion Graphics and AI

- Introduction to AI-powered motion design
- Dynamic animations with AI assistance
- AI-driven video editing techniques
- Integrating AI in storytelling through motion
- Exploring AI-generated interactive animations

# MODULE 11

## AI-powered User Experience (UX) Design

- Personalized user experiences with AI
- A/B testing and user behavior analysis with AI
- Implementing AI in interface design
- AI-driven prototyping and wireframing
- Accessibility improvements using AI in UX

# MODULE 12

## AI-generated Art and Creativity

- AI as a creative partner in design projects
- Collaborative art creation with AI
- AI-generated design inspiration
- Ethical considerations in AI-generated art
- Exploring AI-generated design competitions

# MODULE 13

## Project Work: Combining AI and Traditional Techniques

- Choosing a project theme
- Integrating AI tools with traditional design methods
- Iterative design process with AI feedback
- Critique and peer review of project work
- Presentation of final project outcomes

# MODULE 14

## Future Trends and Beyond

- Emerging technologies in graphic design and AI
- Predictions for the future of AI in design
- Ethical considerations in evolving AI technologies
- Industry perspectives and job opportunities
- Continuous learning and staying updated in the field

# צרו קשר

## מי אנחנו?

חברה המעבירה הדרכות והשתלמויות בעולמות הטכנולוגיה וההייטק לארגונים ששואפים גבוה ורוצים לגעת בשיא הטכנולוגיה. ההדרכות מותאמות באופן אישי לכל מטרה, כאשר תכני הלימוד נבנים בהתאם לצורכי הארגון, יעדיו ודרישותיו. CodePro משמשת גם ככוח אדם ומספקת לארגונים מרצים, מפתחים ויועצים טכנולוגים על פי דרישה.

בנוסף לתחום ההדרכה, ל- CodePro בית תוכנה ומחלקת ייעוץ המלווה חברות הייטק וגופים טכנולוגיים בתהליכי פיתוח ממשקים מאתגרים. לצוות יכולת להעניק ייעוץ ותמיכה במקרים מורכבים בהם דרושה טכנולוגיה ספציפית, כמו גם בתהליך הקמת צוותים טכנולוגים בארגונים.

נשמח לשמוע ממכם!

## לפרטים נוספים ושאלות

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