

uCertify

Course Outline

Generative AI for Beginners



16 May 2026

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2. Exercises, Quizzes, Flashcards & Glossary
Number of Questions
3. Expert Instructor-Led Training
4. ADA Compliant & JAWS Compatible Platform
5. State of the Art Educator Tools
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Chapter 7: Manipulating the GenAI Model to Milk It for More or Better Content
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Chapter 19: Ten Tips for Advanced Prompting

Videos and How To

8. Practice Test

Here's what you get

Features

9. Performance Based labs

Lab Tasks

Here's what you get

1. Pre-Assessment

Pre-Assessment lets you identify the areas for improvement before you start your prep. It determines what students know about a topic before it is taught and identifies areas for improvement with question assessment before beginning the course.

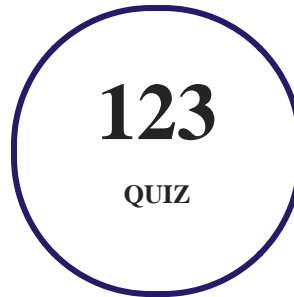
2. Exercises

There is no limit to the number of times learners can attempt these. Exercises come with detailed remediation, which ensures that learners are confident on the topic before proceeding.

105
EXERCISES

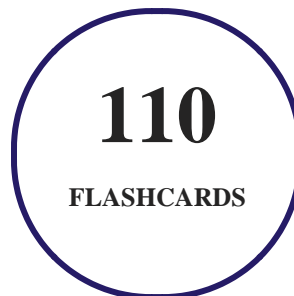
3. Quiz

Quizzes test your knowledge on the topics of the exam when you go through the course material. There is no limit to the number of times you can attempt it.



4. flashcards

Flashcards are effective memory-aiding tools that help you learn complex topics easily. The flashcard will help you in memorizing definitions, terminologies, key concepts, and more. There is no limit to the number of times learners can attempt these. Flashcards help master the key concepts.



5. Glossary of terms

uCertify provides detailed explanations of concepts relevant to the course through Glossary. It contains a list of frequently used terminologies along with its detailed explanation. Glossary defines the key terms.



6. Expert Instructor-Led Training

uCertify uses the content from the finest publishers and only the IT industry's finest instructors. They have a minimum of 15 years real-world experience and are subject matter experts in their fields. Unlike a live class, you can study at your own pace. This creates a personal learning experience and gives you all the benefit of hands-on training with the flexibility of doing it around your schedule 24/7.

7. ADA Compliant & JAWS Compatible Platform

uCertify course and labs are ADA (Americans with Disability Act) compliant. It is now more accessible to students with features such as:

- Change the font, size, and color of the content of the course
- Text-to-speech, reads the text into spoken words
- Interactive videos, how-tos videos come with transcripts and voice-over
- Interactive transcripts, each word is clickable. Students can clip a specific part of the video by clicking on a word or a portion of the text.

JAWS (Job Access with Speech) is a computer screen reader program for Microsoft Windows that reads the screen either with a text-to-speech output or by a Refreshable Braille display. Student can easily navigate uCertify course using JAWS shortcut keys.

8. State of the Art Educator Tools

uCertify knows the importance of instructors and provide tools to help them do their job effectively. Instructors are able to clone and customize course. Do ability grouping. Create sections. Design grade scale and grade formula. Create and schedule assessments. Educators can also move a student from self-paced to mentor-guided to instructor-led mode in three clicks.

9. Award Winning Learning Platform (LMS)

uCertify has developed an award winning, highly interactive yet simple to use platform. The SIIA CODiE Awards is the only peer-reviewed program to showcase business and education technology's finest products and services. Since 1986, thousands of products, services and solutions have been

recognized for achieving excellence. uCertify has won CODiE awards consecutively for last 7 years:

- **2014**

1. Best Postsecondary Learning Solution

- **2015**

1. Best Education Solution
2. Best Virtual Learning Solution
3. Best Student Assessment Solution
4. Best Postsecondary Learning Solution
5. Best Career and Workforce Readiness Solution
6. Best Instructional Solution in Other Curriculum Areas
7. Best Corporate Learning/Workforce Development Solution

- **2016**

1. Best Virtual Learning Solution
2. Best Education Cloud-based Solution
3. Best College and Career Readiness Solution
4. Best Corporate / Workforce Learning Solution
5. Best Postsecondary Learning Content Solution
6. Best Postsecondary LMS or Learning Platform
7. Best Learning Relationship Management Solution

- **2017**

1. Best Overall Education Solution
2. Best Student Assessment Solution
3. Best Corporate/Workforce Learning Solution
4. Best Higher Education LMS or Learning Platform

- **2018**

1. Best Higher Education LMS or Learning Platform

2. Best Instructional Solution in Other Curriculum Areas
3. Best Learning Relationship Management Solution

- **2019**

1. Best Virtual Learning Solution
2. Best Content Authoring Development or Curation Solution
3. Best Higher Education Learning Management Solution (LMS)

- **2020**

1. Best College and Career Readiness Solution
2. Best Cross-Curricular Solution
3. Best Virtual Learning Solution

10. Chapter & Lessons

uCertify brings these textbooks to life. It is full of interactive activities that keeps the learner engaged. uCertify brings all available learning resources for a topic in one place so that the learner can efficiently learn without going to multiple places. Challenge questions are also embedded in the chapters so learners can attempt those while they are learning about that particular topic. This helps them grasp the concepts better because they can go over it again right away which improves learning.

Learners can do Flashcards, Exercises, Quizzes and Labs related to each chapter. At the end of every lesson, uCertify courses guide the learners on the path they should follow.

Syllabus

Chapter 1: Introduction

- About This Course
- Assumptions
- Icons Used in This Course

Chapter 2: Mapping the Lay of the Generative AI Land

- So, What Exactly Is Generative AI?
- Unveiling the BIG Secret to Working Successfully with GenAI
- Understanding the Infamous Finger Problem and Other GenAI Quirks
- Figuring Out How to Work with GenAI — It's All About Your Prompts
- Discovering the Differences in GenAI Models and Options
- Checking Out Practical Uses of GenAI
- Separating Gen AI Fact from Fiction

Chapter 3: Introducing the Art of Prompt Engineering

- First Things First: What Is a Prompt?
- Revealing the Secret Behind Successful Prompting
- Crafting Effective Prompts for Diverse AI Applications
- Tips and Tricks for Optimizing Your Prompts
- Using Prompts to Provide Supplemental Data for the Model
- Avoiding Common Prompting Pitfalls

Chapter 4: Collaborating Creatively with GenAI

- Exploring Human-AI Partnerships in Creative Fields
- Knowing Who's at Fault for Mishaps, Misfortunes, and Law-Breaking
- Understanding Your Role in Responsible AI

Chapter 5: Navigating the Evolving Landscape of GenAI

- Identifying Key Players and Evaluating GenAI Providers
- Getting GenAI that Plays Nice with Other Technologies
- Keeping Up with the Pace of GenAI Advancements

Chapter 6: Applying GenAI in Practical Scenarios

- GenAI as Writing Assistant
- Getting a Visual Assist from GenAI
- Problem-Solving with AI in Creative Projects

Chapter 7: Manipulating the GenAI Model to Milk It for More or Better Content

- GenAI's Shame That No One Is Talking About
- Lying to the Model for Increased Productivity
- Rewarding and Punishing GenAI to Produce Better Content
- What to Do If the GenAI Ignores You or Freezes

- Addressing GenAI's Lying, Misleading, or Hallucinating Tendencies
- Repurposing Content with GenAI

Chapter 8: Producing Long-Form Content

- Writing Academic Papers with GenAI Assistance
- Developing White Papers and Reports Using Generative AI
- Crafting Research Designs and Outlines with GenAI
- Integrating Citations and References
- Producing Long-Form Articles with GenAI
- Writing Books with GenAI

Chapter 9: Customizing Content for Niche Topics

- Tailoring GenAI to Produce Content for Specialized Fields
- Balancing Expertise and Creativity in GenAI-Based Writing
- Warnings: Hazards Ahead

Chapter 10: Creating Short-Form Content

- Getting Better Results by Combining Different Types of AI
- Enhancing Blogging

- Writing Short News Articles with AI
- Adding GenAI Pizzazz to Speechwriting
- Designing and Writing Content for Websites
- Crafting Logos and Slogans
- Creating Social Media Content
- Pitfalls and Pitstops

Chapter 11: Luring Images, Music, and Video Out of GenAI

- Getting Ready to Create with GenAI
- Writing Prompts to Create Artistic Outputs
- Harnessing GenAI for Multimedia Content Creation
- Innovations in AI-Generated Imagery and Soundscapes

Chapter 12: Speeding, Improving, and Checking Your and GenAI's Work

- Getting to the Point with GenAI-Powered Summarization
- Using GenAI to Check Character Traits and Actions
- Storyboarding with GenAI
- Adapting Writing Style and Tone for Varied Audiences Using GenAI

- Checking Your Content's Market Appeal and Value
- Ensuring Coherence and Concision in Multi-Author Content
- Optimizing Keywords and Phrases (SEO) with GenAI for Better Search Rankings

Chapter 13: Leaning on Advanced Tactics to Move Your Content to Another Level

- Evaluating AI Models in Terms of Your Specific Needs
- Tailoring GenAI Models for Specialized Topics
- Dealing with Software Integration Issues

Chapter 14: Delving into Specialized GenAI Tools

- Discovering the Difference Enterprise-Level AI Tools Make
- Finding Mini GPTs and GPT App Stores
- Exploring Autonomous AI Agents and Personalized AI

Chapter 15: Enhancing Creativity and Productivity with GenAI

- Capturing Inspiration and Cashing In: A Case Study
- Giving GenAI Multiple Personalities for Better Perspective
- Enhancing Readability and Reader Engagement with GenAI
- Mind Mapping with GenAI for Enhanced Idea Generation

- Rethinking Your Creative Processes to Better Leverage GenAI

Chapter 16: Upholding Responsible AI Standards in GenAI Use

- Achieving Originality and Excellence in GenAI-Generated Content
- Applying Journalism Ethics to GenAI-Generated Content
- Joining the Responsible AI Movement

Chapter 17: Unveiling the Human Element in GenAI

- Are We Humans Becoming Obsolete?
- Implementing Quality Control through Human Oversight
- Training GenAI Models on Human Expertise

Chapter 18: Ten Ways GenAI Can Boost Your Creativity

- Unleashing Your Inner Artist: Exploring the Power of AI Play
- The Muse in the Machine: Finding Inspiration with AI Content Generators
- Writing Reimagined: How GenAI Can Enhance Your Storytelling
- Composing Music with GenAI Assistance
- Creative Collaboration: Partnering with AI for Innovative Solutions
- Breaking the Block: AI Techniques to Overcome Creative Barriers

- Customized Creativity: Tailoring AI to Your Artistic Style
- Visualizing the Unseen: Using AI to Generate New Art Forms
- The Idea Incubator: GenAI as a Brainstorming Partner
- From Data to Art: Transforming Numbers into Narratives with AI

Chapter 19: Ten Tips for Advanced Prompting

- Leverage Keywords
- Structure Prompts Logically
- Explain Through Examples
- Employ Constraints
- Ask for Iterations
- Incorporate Logic and Reasoning
- Sequence Your Prompts
- Reference Past Interactions
- Be Explicit About Style
- Use Meta-Prompts

11. Practice Test

Here's what you get

Features

Each question comes with detailed remediation explaining not only why an answer option is correct but also why it is incorrect.

Unlimited Practice

Each test can be taken unlimited number of times until the learner feels they are prepared. Learner can review the test and read detailed remediation. Detailed test history is also available.

Each test set comes with learn, test and review modes. In learn mode, learners will attempt a question and will get immediate feedback and complete remediation as they move on to the next question. In test mode, learners can take a timed test simulating the actual exam conditions. In review mode, learners can read through one item at a time without attempting it.

12. Performance Based Labs

uCertify's performance-based labs are simulators that provides virtual environment. Labs deliver hands on experience with minimal risk and thus replace expensive physical labs. uCertify Labs are cloud-based, device-enabled and can be easily integrated with an LMS. Features of uCertify labs:

- Provide hands-on experience in a safe, online environment
- Labs simulate real world, hardware, software & CLI environment
- Flexible and inexpensive alternative to physical Labs
- Comes with well-organized component library for every task
- Highly interactive - learn by doing
- Explanations and remediation available
- Videos on how to perform

Lab Tasks

- Exploring GenAI models
- Exploring Generative AI models
- Exploring Iterative Prompting and Prompt Chaining
- Mastering Prompting in Text and Image Generation
- Analyzing Ethical Limits of ChatGPT in Healthcare
- Navigating the GenAI Landscape
- Drafting Content with GenAI
- Improving Generative AI Outputs Through Strategic Interaction
- Producing Long-Form Academic and Technical Content with GenAI
- Comparing SLMs, Mini GPTs, and Specialized Models
- Elevating Content Creation
- Designing and Writing Website Content with GenAI
- Crafting Logos and Slogans with GenAI
- Creating Image, Music, and Video Using AI
- Leveraging GenAI For Strategic Content Creation
- Evaluating and Customizing GenAI Models
- Exploring miniGPT Store in ChatGPT
- Using MindMapper Genius GPT for Idea Generation
- Practicing Responsible GenAI
- Keeping GenAI in Check with Human Oversight
- Exploring Creative Possibilities With GenAI
- Mastering Advanced Prompting Techniques

Here's what you get



You can't stay away! Get



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