

# uCertify

## Course Outline

AI Ethics



26 Apr 2025

1. Exercises, Quizzes, Flashcards & Glossary

Number of Questions

2. Expert Instructor-Led Training

3. ADA Compliant & JAWS Compatible Platform

4. State of the Art Educator Tools

5. Award Winning Learning Platform (LMS)

6. Chapter & Lessons

Syllabus

Chapter 1: Preface

Chapter 2: Introduction: Why AI Ethics?

Chapter 3: The Rise of AI Ethics

Chapter 4: AI, Philosophy of Technology, and Ethics

Chapter 5: Methods in Applied Ethics

Chapter 6: Humans and Intelligent Machines: Underlying Values

Chapter 7: Normative Ethical Theory and AI Ethics

Chapter 8: Philosophy for AI Ethics: Metaethics, Metaphysics, and More

Chapter 9: Persons and AI

Chapter 10: Individuals, Society, and AI: Online Communication

Chapter 11: Towards the Future with AI: Work and Superintelligence

Chapter 12: Our Future with AI: Future Projections and Moral Machines

Videos and How To

7. Open AI Labs

Lab Tasks

Here's what you get

1.  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.

**58**  
EXERCISES

## 2. 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.

**113**  
QUIZ

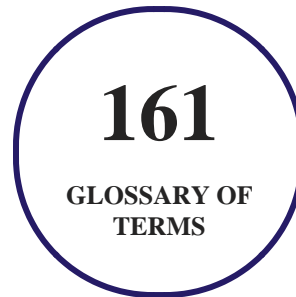
## 3. flashcards

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.

**161**  
FLASHCARDS

## 4. 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.



## 5. 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.

## 6. 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.

## 7. 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.

## 8. 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

## 9. 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: Preface

- Acknowledgements
- About This Course

## Chapter 2: Introduction: Why AI Ethics?

- Introduction
- What Is Artificial Intelligence?
- And What, Precisely, Is Ethics?
- What Does This Course Cover?
- Why AI Ethics Is So Exciting
- Why Should Anyone Want to Study AI Ethics?
- Bottom-Up and Top-Down Approaches to AI Ethics
- And What Are You Bringing to This Course?
- Frequent Criticisms of Ethics
- The Boundaries and Limits of Ethics
- The Approach of This Course

- Developing Ethical Autonomy
- Why Examine Underlying Concepts in AI Ethics?
- Why Am I Writing This Course?
- What Is to Come
- Key Points
- Educator Notes

### Chapter 3: The Rise of AI Ethics

- AI Ethics: Why Now?
- Same or Different? What's Special About AI Ethics?
- Common Themes and Varieties of Questions in AI Ethics
- Ethical Questions in AI Currently Receiving Attention
- A Brief History of AI Ethics
- AI Ethics Now: Who, What, Where, and Why?
- AI Ethics, Law, Policy, Regulation, and Ethics Guidance
- Looking Forward: What Is Our Job Now?
- Case Study: An Indigenous AI Report
- Key Points



- Educator Notes

## Chapter 4: AI, Philosophy of Technology, and Ethics

- Artificial Intelligence, Ethics, and AI as a Technology
- Comparing AI to Humans
- A Brief Introduction to the Philosophy of Technology
- Technology and Attitudes Towards Nature
- The Implicit Values of Technology
- Communication Through New Technologies
- Key Points
- Educator Notes

## Chapter 5: Methods in Applied Ethics

- Introduction: A Simple Account of Methods in Applied Ethics
- The Challenges from AI for Methodology in Applied Ethics
- Common Assumptions About the Nature of Ethics, and Their Influence on Methodology in Applied Ethics
- Methodology in Applied Ethics: The Stories We Tell
- Key Points

- Educator Notes

## Chapter 6: Humans and Intelligent Machines: Underlying Values

- Introduction
- The Nature and Value of Intelligence
- Values Underlying the Use of Data
- Human Nature
- Key Points
- Educator Notes

## Chapter 7: Normative Ethical Theory and AI Ethics

- Introduction to Normative Ethical Theories
- Normative Ethical Theories: Consequentialism
- Normative Ethical Theories: Deontological Approaches
- Normative Ethical Theories: Virtue Ethics
- Key Points
- Educator Notes

## Chapter 8: Philosophy for AI Ethics: Metaethics, Metaphysics, and More

- Introduction
- Metaethics
- The Theory of Knowledge
- Philosophy of Language
- Questions in Metaphysics: What Is Reality?
- Key Points
- Educator Notes

## Chapter 9: Persons and AI

- Introduction
- An Account of Personhood: Respect for Persons as a Fundamental Ideal
- Some Contemporary Models of Personhood and Their Ethical Implications
- Interlude: Mind and Body
- Are Conceptions of Personhood Too Focused on the Cognitive and the Rational?
- Personhood Continued: Two Approaches to Personhood, Agency, and Machines
- The Limits and Boundaries of Persons
- Key Points
- Educator Notes

## Chapter 10: Individuals, Society, and AI: Online Communication

- Introduction
- What Concepts and Tools Can We Bring to These Questions?
- Why Is AI Being Used to Address the Online Harms Question?
- Content Moderation for Online Harms: What Is Needed?
- Challenges for AI in Tackling Online Harms
- Bias and the Production of 'AI Ethics'
- AI, Online Content, Persons, Self, and Society
- The Use of AI: Reshaping Ethical Questions?
- And Just to Finish
- Key Points
- Educator Notes

## Chapter 11: Towards the Future with AI: Work and Superintelligence

- Introduction
- AI in the Workplace
- AI, Employment and Unemployment, and Future Visions
- Superintelligence, Existential Risk, and the Control Problem

- Longtermism in AI
- Key Points
- Educator Notes

## Chapter 12: Our Future with AI: Future Projections and Moral Machines

- Introduction
- The Purposeful Universe: Value Beyond the Human
- Contrasting Frameworks Behind Visions of AI and Approaches to Ethics
- The Moral Status of AI and Robot Rights
- Machines as Moral Agents: Could Artificial Intelligence Enhance Human Morality?
- Key Points
- Educator Notes

## 10. Open AI 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

- Understanding AI Ethics and Its Implications
- Considering AI Ethics Development and Deployment
- Understanding the Evolution of AI Ethics — A Historical and Contemporary Perspective
- Understanding the Implicit Values of Technology and AI in Communication
- Understanding Ethical Assumptions in AI — Universalism, Moral Dilemmas, and Human Values
- Examining the Nature and Value of Intelligence in AI
- Understanding Human Nature and the Place of Humanity in the Universe
- Examining Normative Ethical Theories — Consequentialism in AI Ethics
- Interpreting Deontological Approaches in AI Ethics and Rule Application
- Exploring AI and Virtue Ethics — Developing Moral Character in Machines
- Understanding Metaethics and AI Ethics — Examining the Moral Foundations of AI Decision-Making
- Examining AI and the Ethics of Personhood in Cybersecurity
- Examining AI and Online Harms — Ethical and Technical Challenges in Content Moderation
- Examining AI in the Workplace — Ethics, Automation, and Future Implications
- Examining AI and Ethics in the Workplace — Autonomy, Surveillance, and Moral Responsibility

## Here's what you get

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OPEN AI LABS

You can't stay away! Get

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