



## » Course Overview

This course teaches what every student should know about Artificial Intelligence. AI is a fast-moving technology with impacts and implications for both our individual lives and society as a whole. In this course, students will get a basic introduction to the building blocks and components of artificial intelligence, learning about concepts like algorithms, machine learning, and neural networks. Students will also explore how AI is already being used, and evaluate problem areas of AI, such as bias. The course also contains a balanced look at AI's impact on existing jobs, as well as its potential to create new and exciting career fields in the future. Students will leave the course with a solid understanding of what AI is, how it works, areas of caution, and what they can do with the technology.

» **Course Preview Video:** <https://www.pointfuleducation.com/ai-preview-video>

## » Course Outline by Module

Module 1	Introduction to Artificial Intelligence	Module 5	Deep Learning & Neural Networks
Module 2	Perception and Intelligence	Module 6	Humans and AI
Module 3	Algorithms in AI	Module 7	Ethical AI and Biases
Module 4	Machine Learning	Module 8	AI and Jobs

## » Instructional Components

Pointful Education Courses are structured in a consistent, research-based format utilizing multiple pedagogical concepts such as Understanding by Design, Growth Mindset, and Video and Project-based learning. Through the use of these pedagogical concepts, Pointful Education maintains a consistent and engaging course structure that supports student-centered learning.

### Course Structure



Instruction  
51%



Projects  
7%



Reflections  
16%



Concept Checks  
11%



Exams  
8%



Written Assignments  
7%