









»» Course Overview

From hearing aids to pedometers to smart watches, humans have made and worn devices to overcome physical deficiencies, count their steps, and communicate. With the continue miniaturization of chips and sensors, combined with increasing sophistication of artificial intelligence, wearable technology has proliferated into countless end-markets. This course will introduce students to wearable technologies and the components and software that make these technologies possible. The course will also evaluate several applications of wearable technologies in various industries. Finally, the course will examine and discuss the implications of wearable technology, including its pros and cons, and potential implications to our health, privacy, and society.

»» Course Outline by Module

Module 1	Introduction to Wearable and Implantable Technologies
Module 2	Components and Software of Wearables
Module 3	Batteries in Wearables
Module 4	Product Design of Wearables
Module 5	Wearable Technology in Healthcare
Module 6	Wearable Technology in Fitness and Sports
Module 7	Wearable Technology in Public Safety and the Military
Module 8	Wearable Technology in Fashion
Module 9	Wearable Technology in Education
Module 10	Wearable Technology in Business

»» Course Elements

 Video Instruction	 Reflections
 Interactives	 Concept Checks
 Reading	 Quizzes and Exams
 Projects	 Written Assignments



»» 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 Materials

None Required.