Course Outline
Web Development Bootcamp

▶	Introduction to Programming	12:34
○	Variables and Data Types	15:21
○	Control Structures	21:05
○	Functions and Modules	18:49
○	Object-Oriented Programming	25:11
○	Advanced Topics	30:00
○	Project: Building a Web App	45:15
○	Deployment	19:55

Lesson 1: Introduction to Programming
Introduction to Programming

Previous   **Next Lesson**

Transcript   Notes

Welcome to the world of programming! In this introductory lesson, we'll explore the fundamental concepts that underpin all programming languages. We'll start with the basics of syntax, which is the set of rules that govern how code is written. Understanding syntax is crucial for writing code that computers can understand and execute correctly.

Next, we'll delve into data types, which define the kind of data a program can work with, such as numbers, text, and boolean values. Finally, we'll examine control structures, which allow us to control the flow of execution in our programs, enabling us to create complex and dynamic applications. By the end of this lesson, you'll have a solid foundation in programming fundamentals, setting the stage for more advanced topics in subsequent lessons.

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Advanced Data Science Techniques

Master advanced data science techniques, including machine learning, deep learning, and big data analytics.

Overview   Curriculum   Instructor

Course Description

This course provides an in-depth exploration of advanced data science techniques, covering topics such as machine learning algorithms, neural networks, and big data processing. Through hands-on projects and real-world case studies, you will learn to apply these techniques to solve complex problems and make data-driven decisions. The course is designed for individuals with a foundational understanding of data science who are looking to enhance their skills and expertise.

Curriculum

Module 1: Foundations
Introduction to Advanced Data Science

Module 2: Machine Learning
Machine Learning Algorithms

Module 3: Deep Learning
Deep Learning and Neural Networks

Instructor

Dr. Evelyn Reed
Lead Data Scientist

Dr. Reed has 10+ years of experience in data science with a PhD in Computer Science. She specializes in machine learning and big data analytics.

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Emily Rodriguez, Project Manager

Good morning, Sophia

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Upcoming Deadlines

Data Science Project 1
Due: July 15, 2024

ML Assignment 2
Due: July 20, 2024

Notifications

New course material available
July 10, 2024

Assignment 2 reminder
July 12, 2024