

# Course Introduction

# Course Curriculum

-  Zero Trust Fundamentals
-  Why We Need Zero Trust
-  Zero Trust Architecture (ZTA) Fundamentals
-  Zero Trust Architectural Pillars
-  Designing a Zero Trust Architecture
-  Migrating to Zero Trust
-  Exploring ZTA Use Cases
-  Zero Trust Maturity Models

*This course focuses on teaching Zero Trust as a strategy and framework; it's not a how-to engineering course.*

# ABOUT ALTON HARDIN



20+ Years  
in Various IT Roles

10+  
Years in Cyber Security

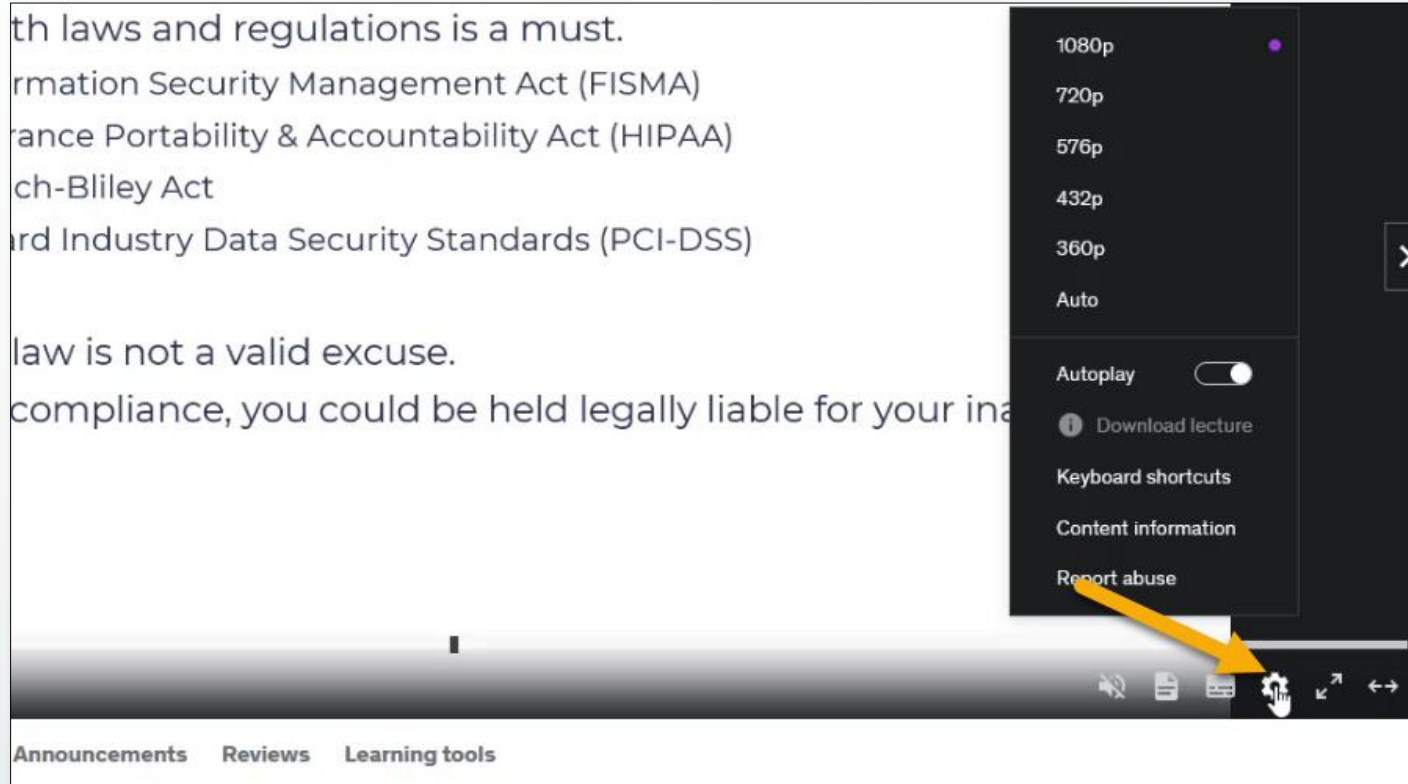
Best-Selling  
Instructor

# 1. Control Playback Speed



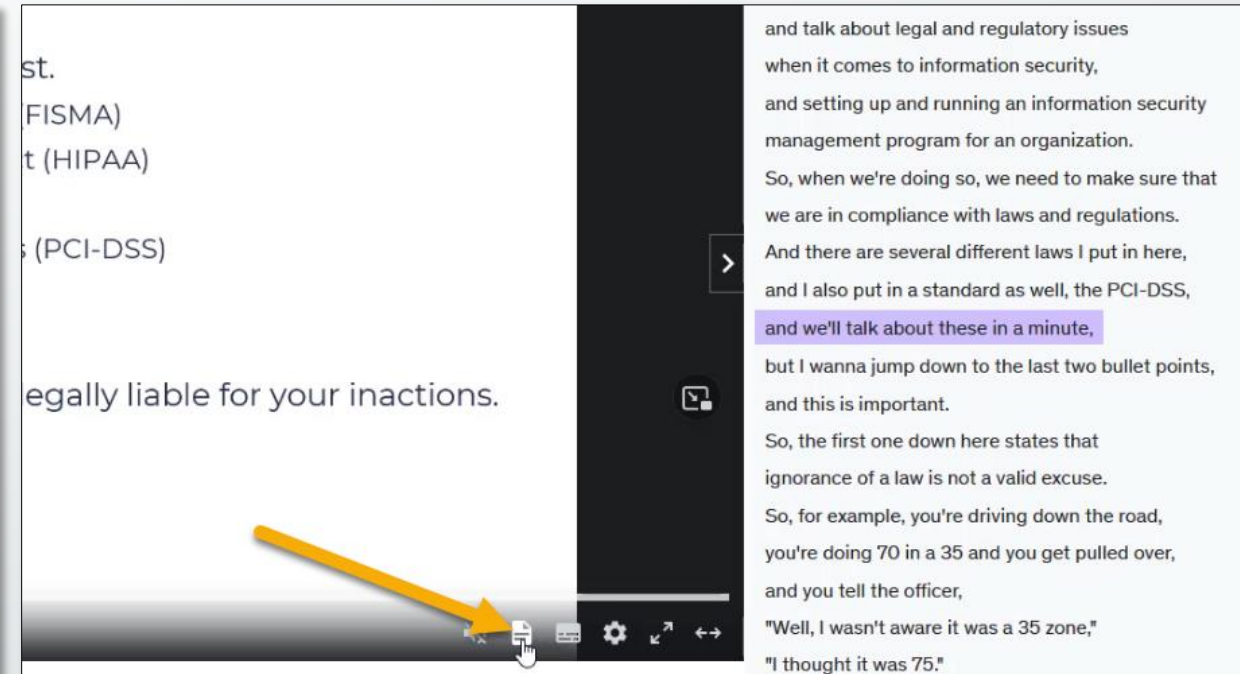
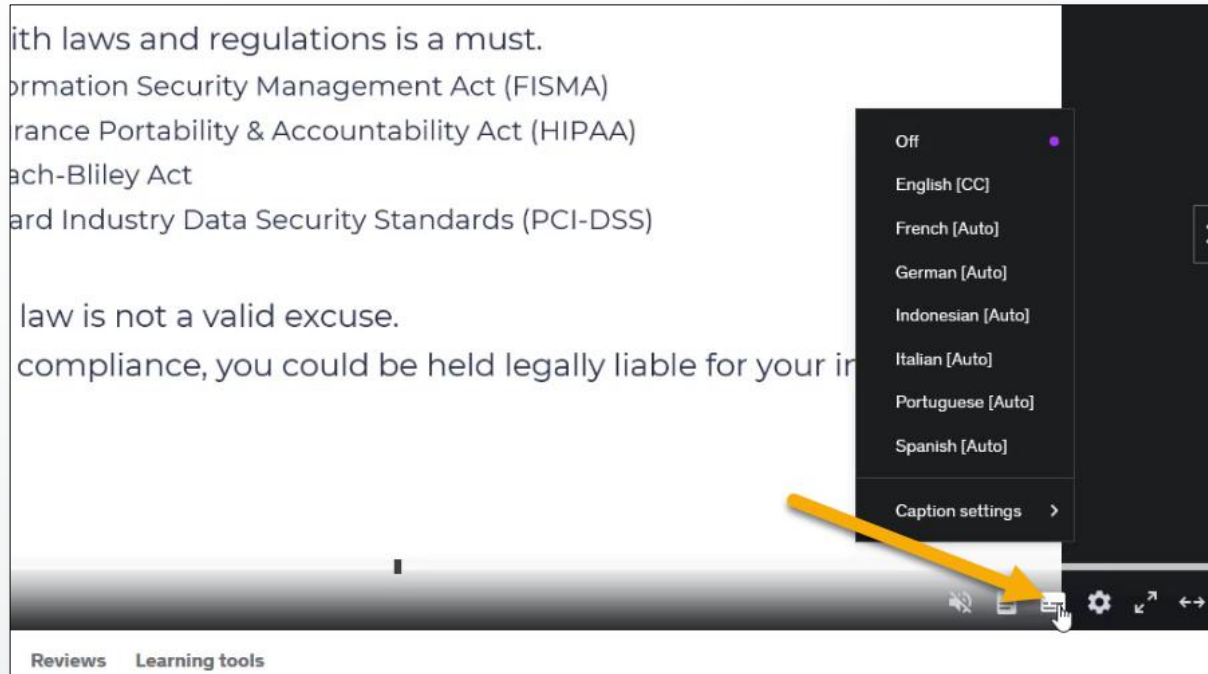
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## 2. Adjust Video Resolution



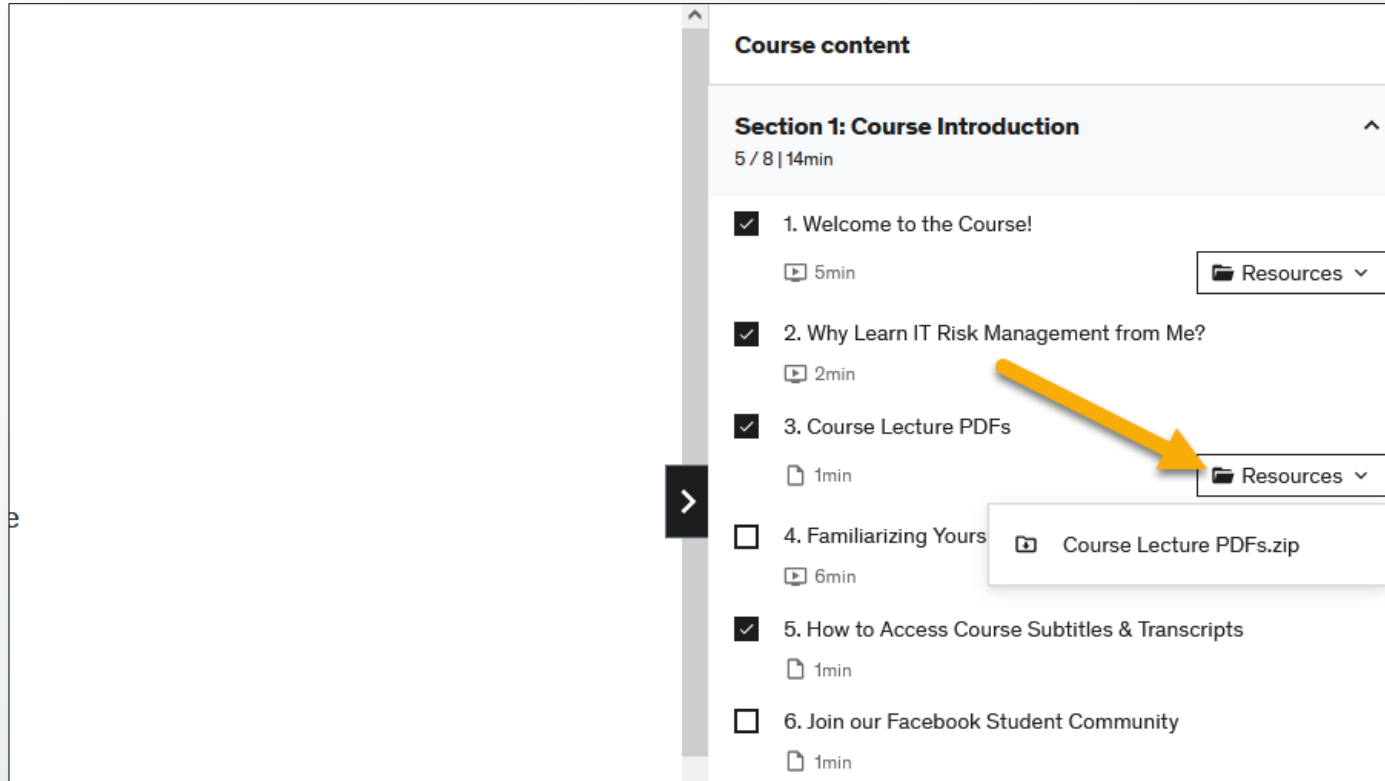
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# 3. Turn on Captions or Transcripts



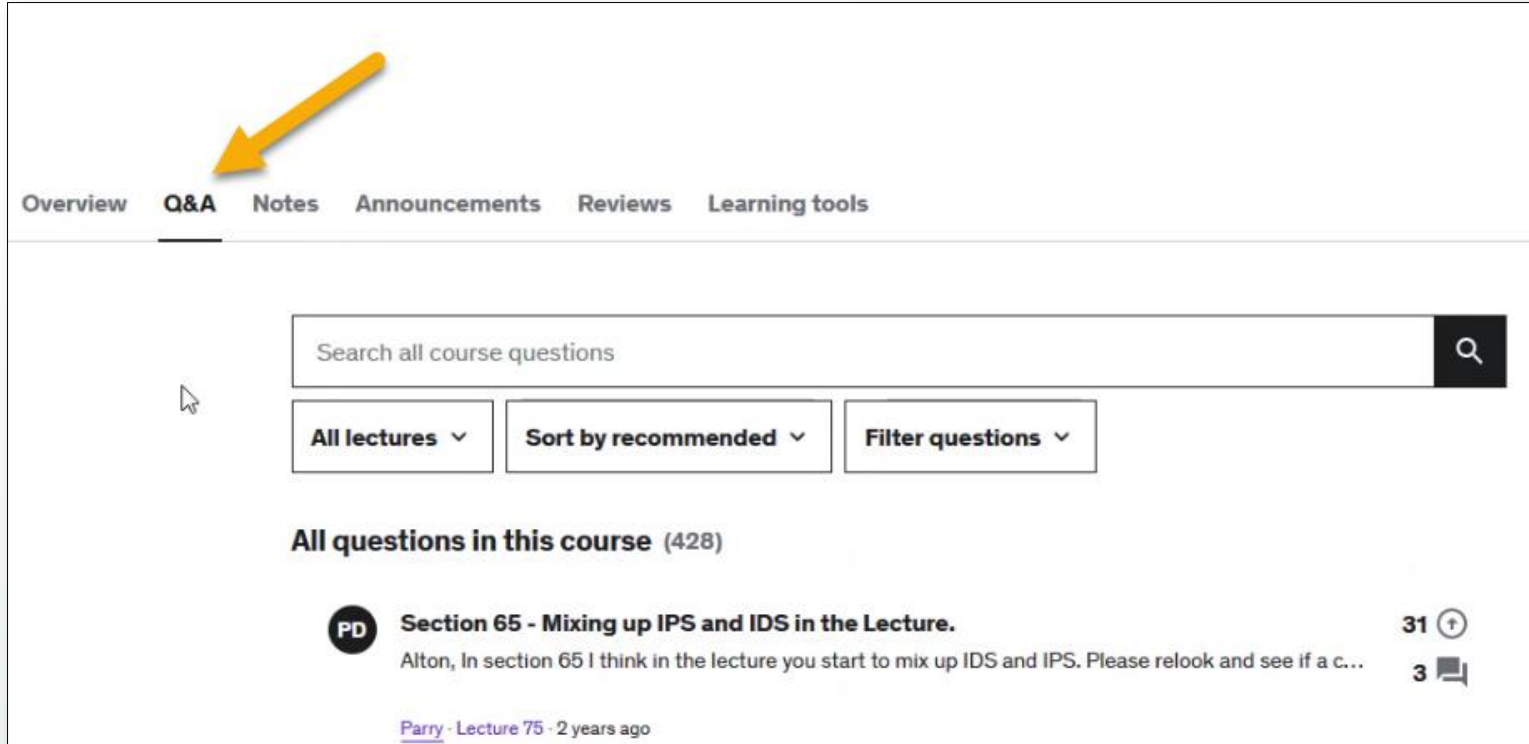
Closed captions and transcripts are available for this course if you need them.

# 4. Accessing Course Resources



You can access course resources (PDFs, URLs, etc.) in the course content menu.

# 5. Use Course Question & Answer (Q&A)

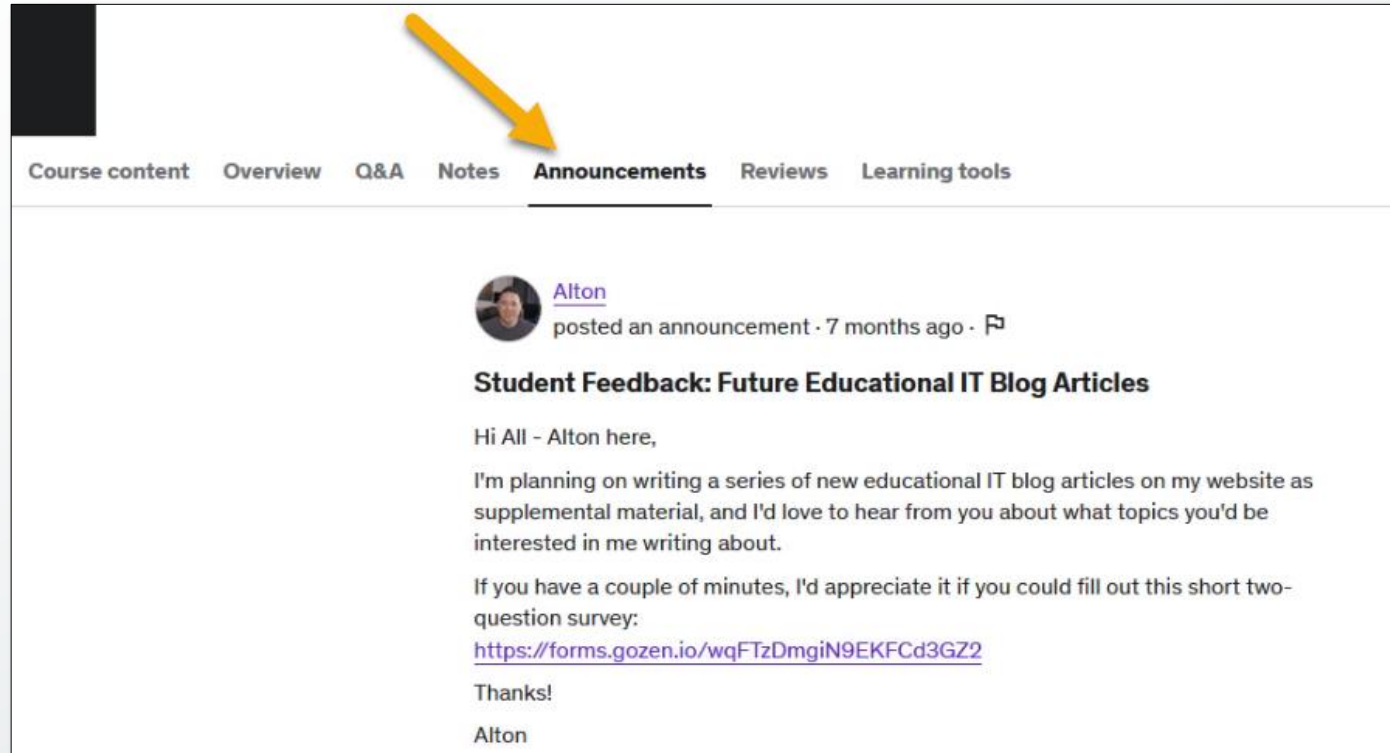


The screenshot shows the 'Q&A' tab selected in a course navigation menu. A yellow arrow points to the 'Q&A' tab. Below the navigation bar, there is a search bar labeled 'Search all course questions' with a magnifying glass icon. Below the search bar are three filters: 'All lectures' (with a dropdown arrow), 'Sort by recommended' (with a dropdown arrow), and 'Filter questions' (with a dropdown arrow). Below the filters, the text 'All questions in this course (428)' is displayed. A question is listed with a 'PD' icon, the title 'Section 65 - Mixing up IPS and IDS in the Lecture.', and the text 'Alton, In section 65 I think in the lecture you start to mix up IDS and IPS. Please relook and see if a c...'. To the right of the question, there are two icons: a '31' with an upward arrow and a '3' with a speech bubble icon. At the bottom of the question, it says 'Parry · Lecture 75 · 2 years ago'.

To review previously asked questions or to ask new course-related questions.

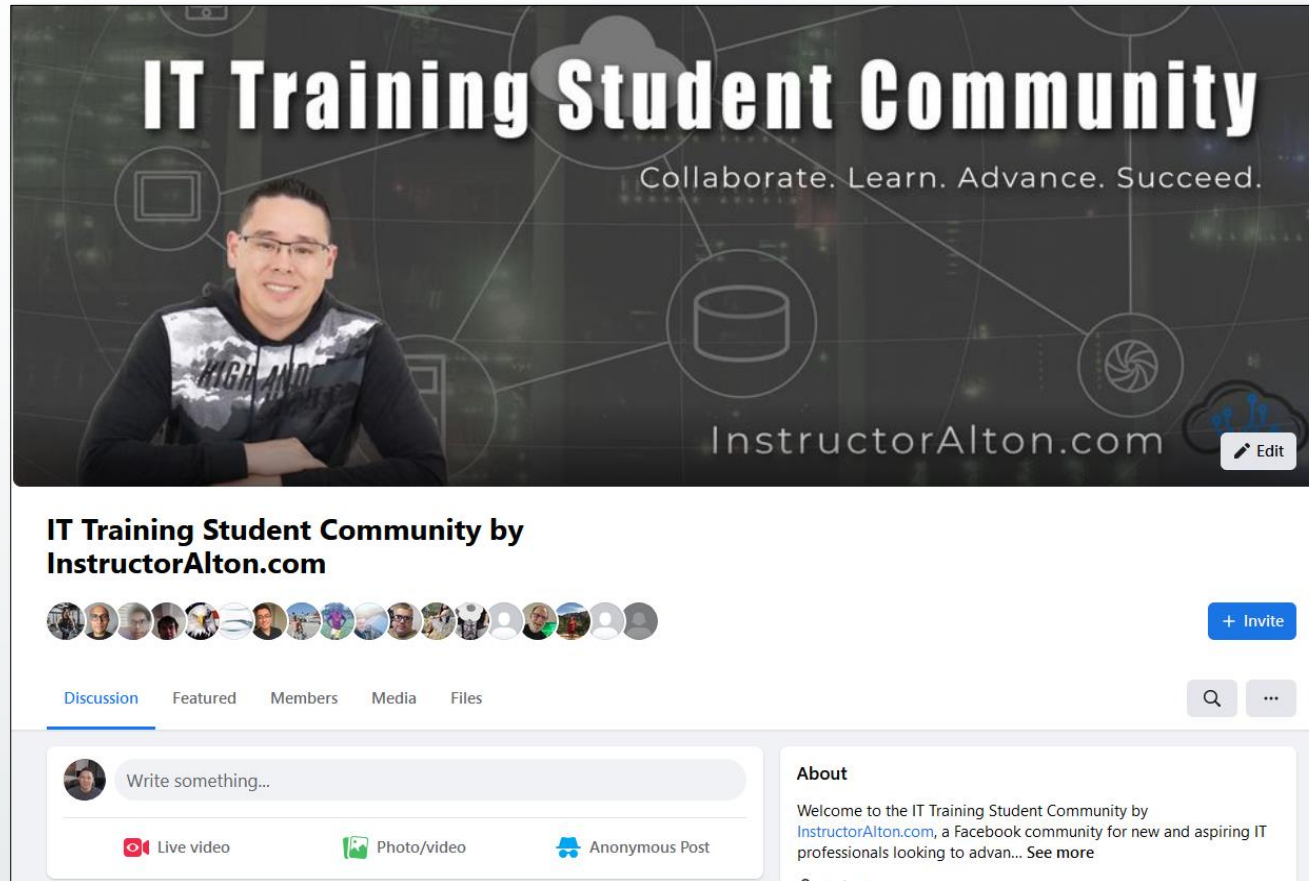


# 6. Review Course Announcements



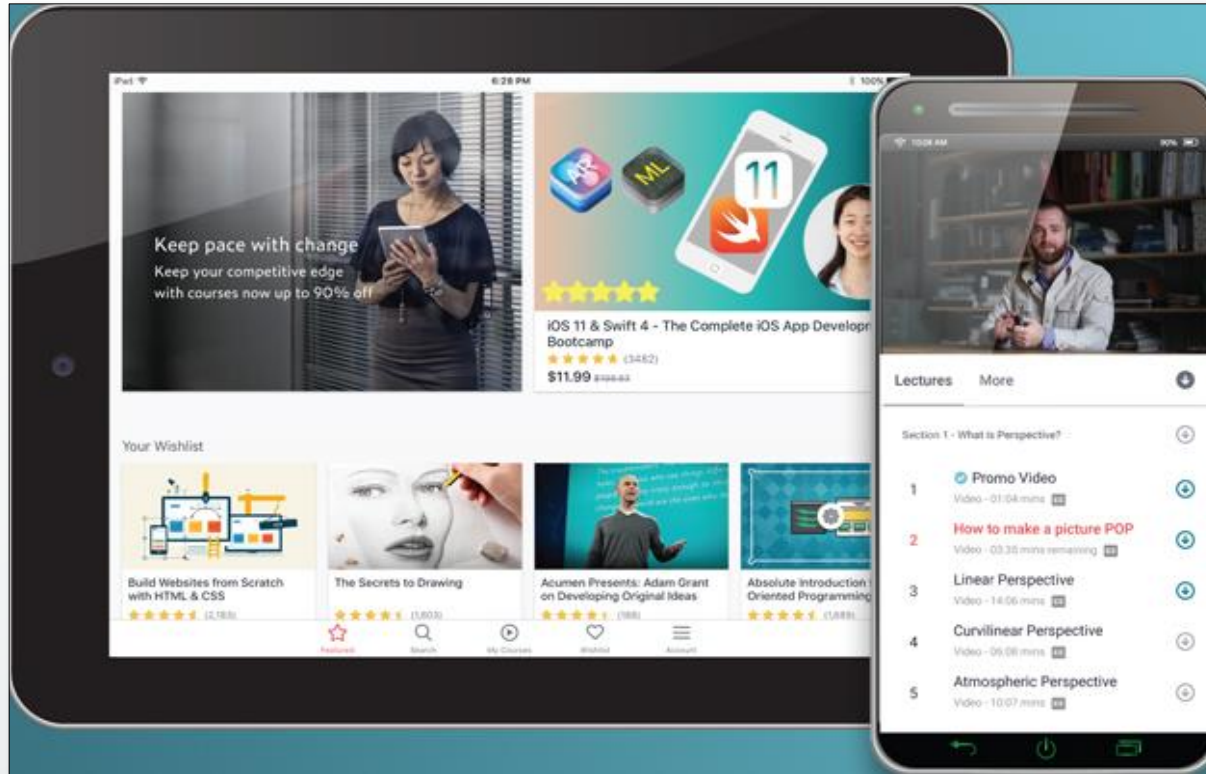
I post educational announcements from time to time.

# 7. Join our Facebook Student Community



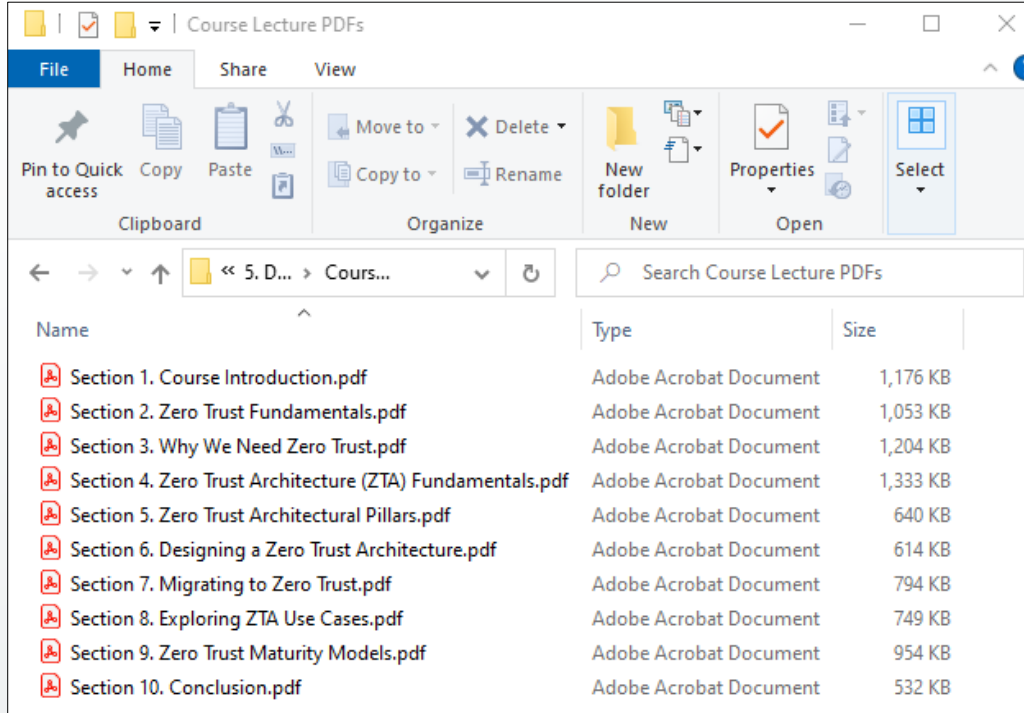
[facebook.com/groups/instructoralton](https://facebook.com/groups/instructoralton)











# 8. Use the Udemy Mobile App

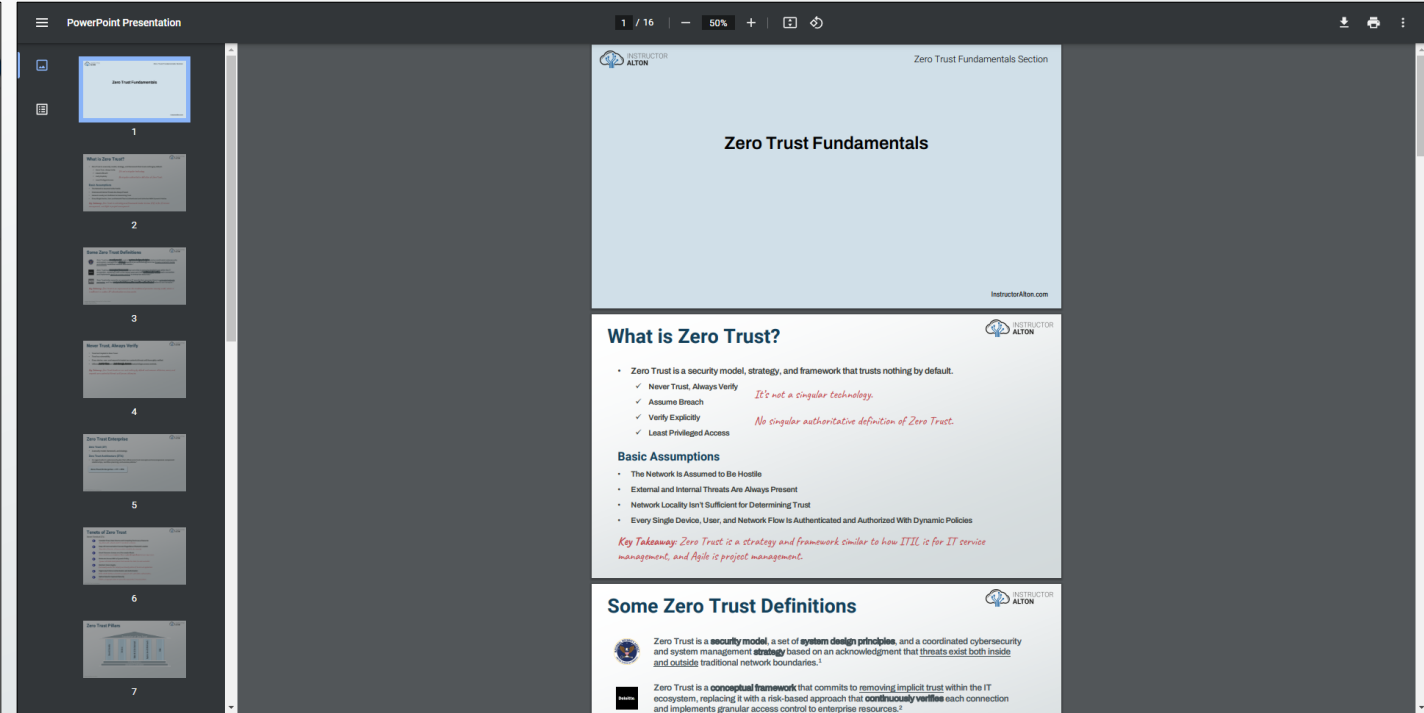


[udemy.com/mobile](https://udemy.com/mobile)

# Course Lecture PDFs



Name	Type	Size
 Section 1. Course Introduction.pdf	Adobe Acrobat Document	1,176 KB
 Section 2. Zero Trust Fundamentals.pdf	Adobe Acrobat Document	1,053 KB
 Section 3. Why We Need Zero Trust.pdf	Adobe Acrobat Document	1,204 KB
 Section 4. Zero Trust Architecture (ZTA) Fundamentals.pdf	Adobe Acrobat Document	1,333 KB
 Section 5. Zero Trust Architectural Pillars.pdf	Adobe Acrobat Document	640 KB
 Section 6. Designing a Zero Trust Architecture.pdf	Adobe Acrobat Document	614 KB
 Section 7. Migrating to Zero Trust.pdf	Adobe Acrobat Document	794 KB
 Section 8. Exploring ZTA Use Cases.pdf	Adobe Acrobat Document	749 KB
 Section 9. Zero Trust Maturity Models.pdf	Adobe Acrobat Document	954 KB
 Section 10. Conclusion.pdf	Adobe Acrobat Document	532 KB



PowerPoint Presentation

1 / 16 50%

Zero Trust Fundamentals Section

## Zero Trust Fundamentals

InstructorAlton.com

### What is Zero Trust?

- Zero Trust is a security model, strategy, and framework that trusts nothing by default.
- ✓ Never Trust, Always Verify
- ✓ Assume Breach
- ✓ Verify Explicitly
- ✓ Least Privileged Access

*It's not a singular technology.*  
*No singular authoritative definition of Zero Trust.*

#### Basic Assumptions

- The Network is Assumed to Be Hostile
- External and Internal Threats Are Always Present
- Network Locality Isn't Sufficient for Determining Trust
- Every Single Device, User, and Network Flow is Authenticated and Authorized With Dynamic Policies

*Key Takeaway: Zero Trust is a strategy and framework similar to how ITIL is for IT service management, and Agile is project management.*

### Some Zero Trust Definitions

Zero Trust is a **security model**, a set of **system design principles**, and a coordinated cybersecurity and system management **strategy** based on an acknowledgment that **threats exist both inside and outside** traditional network boundaries.

Zero Trust is a **conceptual framework** that commits to **removing implicit trust** within the IT ecosystem, replacing it with a risk-based approach that **continuously verifies** each connection and implements **granular access control** to enterprise resources.


The course lecture PDFs are attached to this lecture as a downloadable ZIP file.

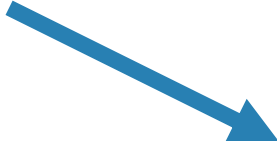
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