

## | Charts of Content

### **Video Contents**

#### **UNIT 1**

Lecture 1, Part 1: The Creative Process in Science and Engineering (0:24:20)

Clip 1.1: Signposting: Summarizing (0:00:56)

Clip 1.2: Signposting: Main Ideas (0:01:08)

Lecture 1, Part 2: The Creative Process in Science and Engineering (0:22:25)

#### **UNIT 2**

Lecture 2, Part 1: Clean Energy for Tomorrow (0:25:23)

Clip 2.1: Recognizing: Definitions 1 (0:01:42)

Lecture 2, Part 2: Clean Energy for Tomorrow (0:21:59)

Clip 2.2: Recognizing Adjectives That Critique (0:02:28)

Clip 2.3: Recognizing Critique (0:03:42)

Clip 2.4: Recognizing Process Description (0:03:42)

#### **UNIT 3**

Lecture 3, Part 1: Hofstede's Value Dimensions (0:25:20)

Clip 3.1: Recognizing Statement of Purpose (0:00:42)

Clip 3.2: Recognizing Definitions 2 (0:02:30)

Clip 3.3: Recognizing Emphasis 1 (0:02:29)

Lecture 3, Part 2: Hofstede's Value Dimensions (0:27:15)

Clip 3.4: Contrastive Language (0:05:05)

Clip 3.5: Recognizing Emphasis 2 (0:00:42)

Lecture 3, The Q&A at the End of Class: Hofstede's Value Dimensions (0:12:11)

#### **UNIT 4**

Lecture 4: Writing and Genre (0:41:11)

Clip 4.1: Recognizing a Claim (0:01:27)

**UNIT 5**

Clip 5.1: Professor-Student Interaction: Question & Answer Organization (0:01:38)

Clip 5.2: Professor-Student Interaction: The Socratic Method (0:06:06)

Lecture 5: The Ten Principles of Economics, Part 1 (0:53:25)

Clip 5.3: Understanding a Concept: A Graph (0:08:52)

Clip 5.4: Understanding a Concept: An Analogy (0:01:37)

Lecture 6: The Ten Principles of Economics, Part 2 (1:05:21)

Clip 5.5: Understanding Definitions of Concepts (0:05:50)

Clip 5.6: Recognizing a Critique of Concepts (0:02:07)

**APPENDIX**

Appendix Clip 1: An Advising Session (Informal Interaction) (0:01:32)

Appendix Clip 2: Advice from a Student (Informal Interaction) (0:12:14)

Appendix Clip 3: Colloquium: A Professor's Day (0:04:06)

## List of Strategies Practiced

<b>Before-Lecture Strategies</b>	<b>This Helps You to...</b>	<b>Practiced in Units</b>
Think about what you already know about the topic.	get your brain ready to listen; reduce multi-tasking challenges	1, 2, 3, 4, 5,
Skim/read any assigned material.	reduce multi-tasking challenges	3, 4, 5
Think about challenges and how to overcome them.	develop a problem-solving mindset	1, 2, 3, 4, 5
Read and study PPT slides.	reduce multi-tasking challenges	2, 3, 4, 5
Notice patterns and groupings of slides.	understand how the parts fit into the whole	2, 3, 4
<b>During-Lecture Strategies</b>	<b>This Helps You to...</b>	<b>Practiced in Units</b>
Notice signposting: statements of purpose, announcements of topic, summaries, instructor's rhetorical questions.	anticipate content and understand the big picture	1, 2, 3, 4, 5
Listen for repetition (verbal and visual).	notice important points	1, 2, 3, 4, 5
Listen for summary statements.	notice important points	1, 2, 3, 4, 5
Notice change in volume, tone, or pace.	identify possible critiques, contrast, or emphasis	1, 3, 4
Listen for names of equations, processes, graphs, theories.	notice important examples and illustrations	1, 2, 5
Listen for definitions.	understand new terms	1, 2, 3, 4, 5
Listen for material not on printed PPT slides.	recognize main points	1, 2, 3, 4, 5
Listen for critiques and emphasis.	understand perspective	1, 2, 3, 4, 5
Notice gaps as you listen or after you listen.	monitor your listening	1, 2, 3, 4, 5
Listen for professor's summary of student answers.	understand interactive segments	5
<b>After-Lecture Strategies</b>	<b>This Helps you to ...</b>	<b>Practiced in Units</b>
Stay seated after the lecture. Expand your notes, add what you can still remember.	utilize short-term memory	1, 2, 3, 4, 5
Notice gaps in understanding and fill them.	monitor your understanding; reduce gaps	1, 2, 3, 4, 5
Think about organization patterns.	understand the big picture; see how the parts fit into the whole	1, 2, 3, 4, 5
Identify claims and evaluate evidence.	see how the parts fit into the whole	4, 5
Anticipate and answer questions requiring application, evaluation, or synthesis.	think about material more deeply	2, 3, 4, 5
Condense key points.	identify material you may not fully understand and remember material	4, 5
Summarize the lecture.	remember the material	4
Evaluate your strategy use.	use a variety of strategies	1, 2, 4