

# ELECTENG 332

## Notes on Control Systems

*Dear god help me, not another one ...*

by

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# Contents

<b>1</b>	<b>Module 1: Basics of Signals and Systems</b>	<b>2</b>
1.1	Learning Outcomes . . . . .	2
1.2	Topic 1: Importance of Exponential Functions . . . . .	2
1.3	Topic 2: Concept of Engineering Infinity . . . . .	2
1.4	Topic 3: Concept of Complex Frequency . . . . .	2
<b>2</b>	<b>Module 2: Mathematical Modelling of Dynamic Systems</b>	<b>3</b>
2.1	Topic 1: [Topic Name] . . . . .	3
2.2	Topic 2: [Another Topic Name] . . . . .	3
<b>3</b>	<b>Module 3: Concept of Block Diagram Representation &amp; Characteristics of Feedback Systems</b>	<b>4</b>
<b>4</b>	<b>Module 4: Time Domain Analysis of Linear Systems</b>	<b>5</b>
<b>5</b>	<b>Stability Analysis of Linear Systems</b>	<b>6</b>

# Chapter 1

## Module 1: Basics of Signals and Systems

### 1.1 Learning Outcomes

- ▶ Uniqueness of the Exponential Signal
- ▶ Concept of Engineering Infinity
- ▶ Concept of Complex Frequency
- ▶ Classification of Signals: Energy & Power
- ▶ Classification of System
- ▶ What is a Control System
- ▶ Classification of a Control System: Open-loop & Closed-loop

### 1.2 Topic 1: Importance of Exponential Functions

### 1.3 Topic 2: Concept of Engineering Infinity

### 1.4 Topic 3: Concept of Complex Frequency

## Chapter 2

### Module 2: Mathematical Modelling of Dynamic Systems

2.1 Topic 1: [Topic Name]

2.2 Topic 2: [Another Topic Name]

## Chapter 3

### Module 3: Concept of Block Diagram Representation & Characteristics of Feedback Systems

## Chapter 4

### Module 4: Time Domain Analysis of Linear Systems

## Chapter 5

### Stability Analysis of Linear Systems