

## Lecture Module - Alternate Model Forms

ME3050 - Dynamic Modeling and Controls

Mechanical Engineering

Tennessee Technological University

### Topic 1 - Equivalent Models

## Alternate Model Forms

- Equivalent Model Concept
- Differential Equations
- State-Variable (Space) Models
- Block Diagrams
- Computer Models

# Equivalent Model Concept

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some reference

# Differential Equations

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# State-Variable (Space) Models

# Block Diagrams



# Computer Models