



# MEEG 311 – Lecture 6

## Vibration and Control

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### **Goals:**

- Principles of electromechanical energy conversion
- Voltage generation (Faraday's law + Lenz's rule)
  - Linear motion in magnetic field
  - Angular motion in magnetic field
- Force generation (Lorentz law)
  - Force and linear motion
  - Torque and angular motion