

# Engineering Ethics

by

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Engineering Ethics

# Chapter 1

# Introduction



Engineering Ethics

# Chapter Description

- Aims
  - Define what is ethics and engineering terms
  - Why study engineering ethics
- Expected Outcomes
  - Differentiate the engineering and ethics and its relationship
- Other related Information



# Subtopics

**1.1 DEFINITION**

**1.2 WHY STUDY ETHICS**



Engineering Ethics

# 1.1 Definitions

## Ethics

- **Reference to personal or religious responsibilities.**
- **Law and politics, conduct, religion.**
- **Moral principles / values**
- **Code of conduct or moral principles.**



# 1.1 Definitions

## Professionalism

- **The competence or skill expected of a professional.**

## Engineering

- **The branch of science and technology. Design, building structure and machine.**



# 1.1 Definitions

## Engineering ethics

- **Applied ethics / system of moral principles**
- **Sets the obligations by engineers.**



## 1.2 Why Study Ethics

- **Professional engineers responsibility.**
- **Awareness on the importance of ethics in the engineering profession and practices.**
- **Public health and safety, related to engineering**





# References

- **Charles B. Fleddermann. 4th Edition. Engineering Ethics. Prentice Hall 2012.**
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