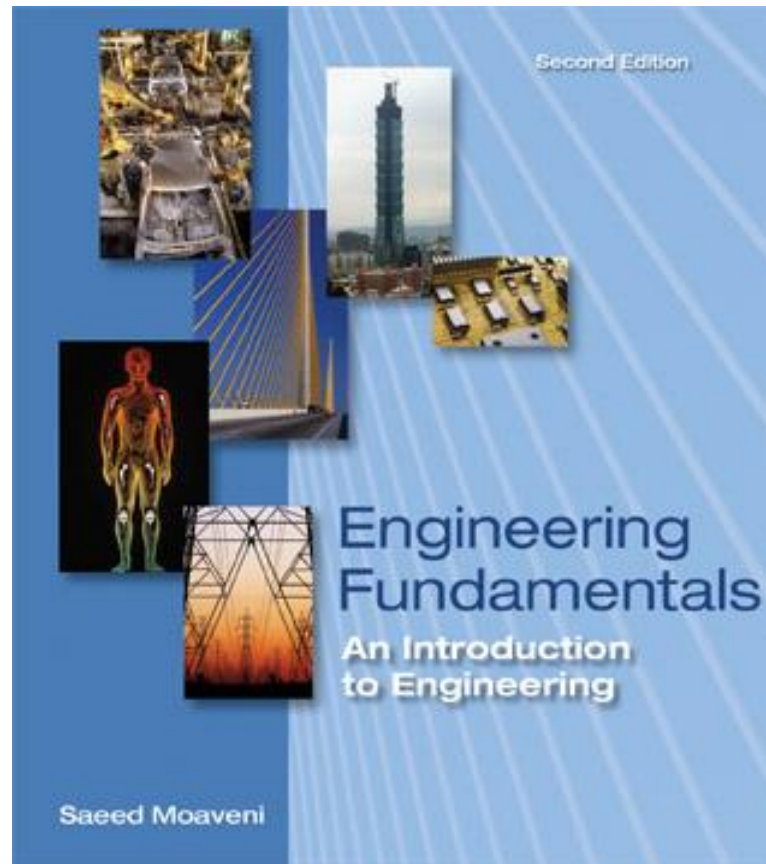


CHAPTER 5

Engineering Ethics



Engineer's Creed

- *The engineers creed is typically used in graduation ceremonies or licensure certificate presentations to give the utmost of performance*
- To participate in none but honest enterprise
- To live and work according to the laws of man and the highest standards of professional conduct
- To place service before profit
- To place the honor and standing of the profession before personal advantage
- To place the public welfare above all other considerations

Additional definitions in ethics

- **Academic Dishonesty :**
 - cheating on tests, homework assignments, lab reports
 - lying about being sick and not taking a test because of it
 - signing the attendance sheet for another student
 - Plagiarism
- **Plagiarism :** Plagiarism refers to presenting someone else's work as your own.
- **Conflict of Interest :** A conflict between the individual's personal interests and the individual's obligations because of the position he or she holds.
- **Contract :** A contract is an agreement among two or more parties, which they entered into freely. A legal contract is one that is legally binding, meaning if not fulfilled it could bare legal consequences.
- **Professional Responsibility :** It is the responsibility associated with the mastery of special kind of knowledge that a person possesses and the use of knowledge for well-being and benefit of the society.

Code of Ethics for Engineers - NSPE

Preamble

- Engineering is an important and learned profession. As members of this profession, engineers are **expected to** exhibit the highest standards of **honesty** and integrity. **Engineering has a direct and vital impact on the quality of life for all people.** Accordingly, the services provided by engineers require honesty, impartiality, fairness and equity, and must be dedicated to the protection of the public health, safety and welfare. Engineers must perform under a standard of professional behavior which requires adherence to the highest principles of ethical conduct.

Code of Ethics for Engineers - NSPE

Fundamental Canons:

Engineers, in the fulfillment of their professional duties, shall:

- Hold paramount the safety, health and welfare of the public.
- Perform services only in areas of their competence.
- Issue public statements only in an objective and truthful manner.
- Act for each employer or client as faithful agents or trustees.
- Avoid deceptive acts.
- Conduct themselves honorably, responsibly, ethically, and lawfully so as to enhance the honor, reputation and usefulness of the profession.

Code of Ethics for Engineers - NSPE

Professional Obligations

1. Engineers shall be guided in all their relations by the highest standards of honesty and integrity.
2. Engineers shall at all times strive to serve the public interest
3. Engineers shall avoid all conduct or practice that deceives the public.
4. Engineers shall not disclose, without consent, confidential information concerning the business affairs or technical processes of any present or former client or employer, or public body on which they serve.

Code of Ethics for Engineers - NSPE

Professional Obligations

5. Engineers shall not be influenced in their professional duties by conflicting interests.
6. Engineers shall not attempt to obtain employment or advancement or professional engagements by untruthfully criticizing other engineers, or by other improper or questionable methods.
7. Engineers shall not attempt to injure, maliciously or falsely, directly or indirectly, the professional reputation, prospects, practice, or employment of other engineers. Engineers who believe others are guilty of unethical or illegal practice shall present such information to the proper authority for action.

Code of Ethics for Engineers - NSPE

Professional Obligations

8. Engineers shall accept personal responsibility for their professional activities, provided, however, that engineers may seek indemnification for services arising out of their practice for other than gross negligence, where the engineer's interests cannot otherwise be protected
9. Engineers shall give credit for engineering work to those to whom credit is due, and will recognize the proprietary interests of others.