

## HU-222 Professional Ethics

**Credit Hours:** 2-0

**Pre-requisites:** None

### Course Objectives

- To train students in professional ethics in such a way that they are able to apply their knowledge in their respective engineering profession.

### Course Contents

- Ethical issues associated with design, use, and propagation of technology
- Ethical dilemmas associated with virtually all stages of development and use, for both creators and users; how such dilemmas are resolved (or complicated) according to how effectively they are communicated to stakeholders
- History of private and public rights in scientific discoveries and applied engineering, leading to the development of worldwide patent systems
- Clauses of invention protectable under the patent laws of the U.S.
- Procedures in protecting inventions in the Patent Office and the courts; review of past cases involving inventions and patents in the chemical process industry and medical pharmaceutical, biological, and genetic-engineering fields
- Devices in the mechanical, ocean exploration, civil, and/or aeronautical fields; the electrical, computer, software, and electronic areas, including key radio
- Solid-state, computer and software inventions; and also software protection afforded under copyright laws

**Course Outcome:** At the conclusion of this course, the student should be able to:

- Live a successful personal life
- Get the ability to deal with the clients
- Perform his professional duties well and ethically.
- Perform his duties with all his best efforts and thinking himself as an asset of working organization.

### Suggested Books

- Roger E. Schechter and John R. Thomas, *Principles of Patent Law, 2nd Edition, WEST a Thomson Business Publication*
- Perelman, Leslie C., James Paradis, and Edward Barrett. *The Mayfield Handbook of Technical and Scientific Writing*. McGraw-Hill, 1997.