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| Course Unit Title | CEH 390 Engineering Professionalism and Ethics |
| Programme of study | BSc in Civil Engineering |
| Lecturer | Dr.-Ing. Paris A. Fokaides |
| Type of course unit | Compulsory |
| ECTS | 3 |
| Year of study: | 3 |
| Semester(s) offered | Spring Semester 2013 |
| Course content | <ul style="list-style-type: none"> ▪ Societal context of the civil engineering profession. ▪ Ethical responsibilities of practicing engineers. ▪ Codes of professional conduct ▪ Responsibilities and rights |
| Course modules: | <p><u>Module 1: Engineering professionalism and codes of ethics</u></p> <ul style="list-style-type: none"> ▪ Characteristics of professional status ▪ Codes of professional conduct ▪ Codes of ethics for Cyprus (ETEK), UK (ICE) and USA (ASCE, NSPE) <p><u>Module 2: Moral frameworks and moral reasoning</u></p> <ul style="list-style-type: none"> ▪ The need for moral reasoning ▪ Utilitarianism ▪ Rights and duty ethics ▪ Virtue ethics ▪ Resolving ethical dilemmas <p><u>Module 3: Professional honesty and commitment to safety</u></p> <ul style="list-style-type: none"> ▪ Truthfulness and trustworthiness ▪ The engineer as a witness ▪ Assessing, reducing and accepting risk <p><u>Module 4: Workplace responsibilities and rights</u></p> <ul style="list-style-type: none"> ▪ Confidentiality ▪ Obligations and responsibilities to public, employer and colleagues ▪ Conflict of interest ▪ Bribery vs. gift ▪ Professional rights and employee rights ▪ Whistleblowing <p><u>Module 5: Environmental Ethics and Technological Progress</u></p> <ul style="list-style-type: none"> ▪ Ecology and sustainable development ▪ Environmental leadership |
| Textbooks: | Martin, M.W., Schinzinger, R. (2010). Introduction to engineering ethics. |
| Instruction language | English |
| External reference | link |