

Course content: Respect for standards and rules of ethics and integrity

A- Respect for ethical and integrity rules

I. Reminder on the Charter of Ethics and Deontology of the Ministry of Higher Education and Scientific Research (MESRS):

Integrity and honesty. Academic freedom. Mutual respect. Demand for scientific truth, objectivity, and critical thinking. Equity. Rights and obligations of students, teachers, administrative, and technical staff.

II. Honest and responsible research

1. Respect for ethical principles in teaching and research
2. Responsibilities in teamwork: Professional equality of treatment. Conduct against discrimination. Pursuit of the general interest. Inappropriate behaviors in the context of collective work.
3. Adopting responsible conduct and combating deviations: Adopting responsible conduct in research. Scientific fraud. Conduct against fraud. Plagiarism (definition of plagiarism, different forms of plagiarism, procedures to avoid unintentional plagiarism, plagiarism detection, sanctions against plagiarists, ...). Falsification and fabrication of data.

III. Ethics and deontology in the workplace:

Legal confidentiality in business. Loyalty to the company. Responsibility within the company, Conflicts of interest. Integrity (corruption in work, its forms, its consequences, methods of combating, and sanctions against corruption)

B- Intellectual Property

I- Fundamentals of intellectual property

1. Industrial property. Literary and artistic property.
2. Rules for citing references (books, scientific articles, communications at a conference, theses, dissertations, ...)

II- Copyright

1. Copyright in the digital environment:

Introduction. Copyright of databases, copyright of software. Specific case of open-source software.

2. Copyright on the internet and e-commerce

Domain name rights. Intellectual property on the internet. Right of the e-commerce website. Intellectual property and social networks.

3. Patent

Definition. Rights in a patent. Utility of a patent. Patentability. Patent application in Algeria and worldwide.

III- Protection and valorization of intellectual property

How to protect intellectual property. Violation of rights and legal tools. Valorization of intellectual property. Protection of intellectual property in Algeria.

C. Ethics, sustainable development, and new technologies

Link between ethics and sustainable development, energy saving, bioethics, and new technologies (artificial intelligence, scientific progress, Humanoids, Robots, drones...)