Summary
In this lecture, students will get the basic knowledge on electromagnetic compatibility.

Content
1. **EMC concept**: Source of EM disturbances, victims, coupling path. Incompatibility problems and hierarchy of responsibilities.


5. **Electrostatic discharge**: Causes, effects and protection methods.


8. **EMC in telecommunications. Biological effects of electromagnetic fields**.


Learning Prerequisites
- **Recommended courses**
  - Electromagnetics I and II

Learning Outcomes
By the end of the course, the student must be able to:
- Identify and analyze sources of electromagnetic disturbances
- Identify the method of analysis of an EMC problem
- Be capable of analyzing electromagnetic interference problems
- Understand basic mitigating techniques in EMC
- Understand shielding mechanisms and electromagnetic coupling

Assessment methods
During the semester

Resources
Ressources en bibliothèque

- Introduction to Electromagnetic Compatibility / Clayton