

Aeronautical EMC 1



Component
École Nationale
Supérieure
d'Électrotechnique
d'Électronique

In brief

- > **Amety's Code:** N9EE13D
- > **Open to exchange students:** Yes

Presentation

Objectives

At the end of the course, students will be able to:

- identify the origins of coupling
- use the formalism of line theory on single- and multi-conductor cables
- compare different models to describe field-cable coupling
- explain the purpose and functioning of magnetic shielding and electrical shielding
- measure surface impedance and/or transfer impedance with vector network analyzers

Description

This course presents low- and high-frequency electromagnetic compatibility and methods for modeling coupling and shielding issues in electronic systems.

Pre-requisites

Electromagnetism

Line theory