

Aeronautic EMC 1



Component

École Nationale
Supérieure
d'Électrotechnique
d'Électronique
d'Informatique
d'Hydraulique
et des
Télécommunications

In brief

- > **Ametys Code:** M8G8R50N
- > **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
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Description

This course covers low- and high-frequency electromagnetic compatibility, methods for modelling coupling and shielding issues in electronic systems.

Pre-requisites

Electromagnetism

Line theory