

# OFDM/CDMA



## Component

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

## In brief

- **plugin.odf-inp:PLUGINS\_ODF\_COURSE\_NBHOURS\_TXT:** 6 lectures, 4
- **Code:** N7EN02C

## Presentation

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### Objectives

To be able to implement one of the following techniques to transmit through a time and frequency selective channel:

- Orthogonal Frequency Division Multiplexing (OFDM),
- Code Division Multiple Access (CDMA).

### Description

This teaching introduces Orthogonal Frequency Division Multiplexing (OFDM) and Code Division Multiple Access (CDMA), two techniques allowing to transmit on a frequency selective channel and widely used in several communication standards (for 3G, 4G, WiFi, l'ADSL, DTTV...).

### Pre-requisites

Bases on telecommunications

## Useful info

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### Place

› Toulouse