

## Faculty of Economic, Social and Political Sciences



### ECGE1328 Operational Research and Management

[30h+15h exercises] 5 credits

**Teacher(s):** Bernard Fortz  
**Language:** French  
**Level:** First cycle

#### Aims

This course provides basic training in the formulation and use of mathematical models in management situations. As such, it covers a number of models of various types (deterministic, random) that give rise to a range of resolution techniques.

#### Main themes

- modelling
- linear programming and extensions
- integer programming
- queuing
- dynamic programming
- model testing
- implementing solutions

#### Other credits in programs

|                 |  |             |           |
|-----------------|--|-------------|-----------|
| <b>ECAP21</b>   | Première licence en sciences de gestion                                      | (5 credits) | Mandatory |
| <b>SINF13BA</b> | Troisième année d'études de bachelier en sciences informatiques              | (5 credits) |           |
| <b>SINF1PM</b>  | Année d'études préparatoires au master en sciences informatiques (60 et 120) | (5 credits) |           |