

## Smart cities and urban economics

**Niveau :** *Master Analyse et Politique Economique – deuxième année – M2*

**Cursus :** *Political Engineering*

**Semestre :** 10

**Volume horaire :** 18 hours (lessons)

**Intervenant :** Nelly EXBRAYAT, Mathieu SANCH MARITAN

**Contact :** [nelly.exbrayat@univ-st-etienne.fr](mailto:nelly.exbrayat@univ-st-etienne.fr)

### Objectifs du cours :

This course aims at exploring major urban problems and analyze the relevance of various urban policies dealing with these problems.

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

- analyze the main advantages and drawbacks of a compact city;
- debate upon the relevance of several urban policies for outcomes such as criminality, environment or economic development.

### Plan du cours:

Chapter 1 - Introduction to the concept of smart cities

Chapter 2 - The costs and benefits of density: a synthesis of the literature

Chapter 3 – Frontiers in urban economics

### Modalités d'évaluation :

Contrôle terminal

### Prérequis :

Microeconomics, urban economics, economic geography

### Bibliographie / références :

Ahlfeldt and Pietrostefani (2019), The economic effects of density: A synthesis, *Journal of Urban Economics* 111, pp- 93–107.

Lectures on Urban economics (2011). J. Brueckner. MIT press.

Gagné C., and Y. Zenou (2015). Agglomeration, city size and crime. *European Economic Review*, 2015, vol. 80, pp 62-82.

Gagné C. and J-F. Thisse (2021). *New Economic Geography and the city*. Handbook of Regional Science.

Lall, S. V., Henderson, J. V., & Venables, A. J. (2017). *Africa's cities: Opening doors to the world*. World Bank Publications.