

# **Syllabus of the subject “Urban demography”**

## **Presentation of the course**

We will treat in this subject a presentation of the demography, which is the study statistics of human population's in terms of their dimensions, their structure and evolution, as well as certain general characteristics.

Through this subject, the learner will be able to simulate demographic data that will determine and condition the urban future of future projections.

## **Course objectives**

The main aim of this subject is to quantify, describe and understand the factors behind their dynamics, and to assess the consequences for the structure of human populations.

The flow of the course per session according to the plan is:

### **Session 1: Basic concepts and tools**

1. Introduction
2. Definition of demography
3. General approach to demography
4. Using demographic results

### **Session 2: Basic concepts and tools (continued)**

5. Basic concepts
6. Population
7. Generation and cohort
8. Age
9. Demographic phenomena

### **Session 3: Basic concepts and tools (end)**

10. Demographic analysis
11. The two types of analysis
12. Demographic ratios
13. Conclusions

### **Session 4: Population structures and movements**

1. Introduction
2. Usual population structures

3. Regional distribution

**Session 5: Population structures and movements (continued)**

4. Composition by environment
5. Composition by sex
6. Composition by age

**Session 6: Population structures and movements (continued)**

7. Structure by marital status
8. Population movement
9. Demographic balance
10. Natural growth rate
11. Growth rate
12. Conclusion

**Session 7: Fertility analysis**

1. Introduction
2. General

**Session 8: Fertility analysis (continued)**

3. Fertility indicators
4. Crude birth rate
5. Crude fertility rate
6. Crude fertility rate by age

**Session 9: Fertility analysis (end)**

7. Population renewal
8. Total fertility rate
9. Gross reproduction rate
10. Conclusion

**Session 10: Mortality analysis**

1. Introduction
2. Survivors
3. Lifeline

4. General mortality rate
5. Specific mortality rates
6. Mortality quotient

### **Session 11: Mortality analysis (continued)**

7. Life table and life expectancy
8. Construction of a mortality table Use of a mortality table
9. Situation in Algeria

### **Session 12: Mortality analysis (end)**

10. Infant mortality
11. Concepts
12. Indicator: Infant mortality rate
13. Situation in Algeria
14. Conclusion

## **Tutorial content**

Each student will take the example of an Algerian commune where he or she will have to apply the various indices learned in the course, based on the 2008 and 1998 censuses.

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