

## ADMISSION TO THE BACHELOR COURSES IN:

- 1) ECONOMICS AND BANKING
- 2) ECONOMICS AND MANAGEMENT

### FIRST CYCLE DEGREE ACADEMIC YEAR 2018/2019

**For the extra-UE students** the first level course in Economics and Banking and the first level course in Economics and Management are restricted-access programmes: this means that applicants, in whatever system they have been educated, must satisfy specific **admission requirements (I)** and pass an **entrance exam (II)** in order to enroll.

**Only those students meeting the admission criteria and passing the exam described below will be admitted to the courses, in a number within the quota set by the Ministry.**

#### (I) ADMISSION REQUIREMENTS

**English proficiency:** at least B1 level (students will have to get the B2 level by January 2019. **Beyond this date they will not be allowed to take additional exams**). For the international certifications required, check **this link** <http://www.cla.unisi.it/it/node/743>.

#### ***Additional requirements***

To enroll in the Economics and Banking programme and in the Economics and Management programme, as a candidate, the applicant must have a sufficient knowledge of fundamental topics in Mathematics. **If you do not, please note that you will not be admitted in the bachelor courses because the selection procedure will focus on verifying your knowledge of the following topics.**

#### ***Topics in Precalculus***

Sets, Real numbers. Complex numbers. Solving inequalities and equations. Properties of functions. Function composition.

Trigonometry. Trigonometric functions and graphs. Trigonometric identities and equations.

Exponential functions and equations. Properties of the Logarithm. Logarithmic equations.

Linear functions in the plane: properties and graphs.

These topics can be found in the following books:

1) the first seven chapters of

**Precalculus – Mathematics for calculus**

J. Stewart, L. Redlin, S. Watson

*pdf file downloadable from the web*

2) the first six chapters of

**Precalculus**

K.V. Neal, R.D. Gustafson. F.D. Hughes

3) the first eight chapters of

**Precalculus - With Unit - Circle Trigonometry**

D.Cohen, T.B.Lee, D.Sklar

*pdf file downloadable from the web*

**(II) ENTRY EXAM**

The entrance exam will be held on **Monday 17 September 2018**.

The written exam is aimed at verifying the student's knowledge of the above mentioned topics of mathematics.

*Only those applicants who will pass the exam will be admitted, within the quota set by the ministry.*