

*Information for the prospective students who are enrolling
at the University of Siena for the academic year 2018/19*

ADMISSION TO THE SECOND LEVEL DEGREE COURSES (MASTER LEVEL)

FINANCE

ASSESSMENT OF SKILLS AND COMPETENCIES

Candidates may be required to sit for a written exam and/or an interview, aimed at verifying their skills and competencies. **THE EXTRY EXAM IS JUST FOR STUDENTS WHO GOT A LETTER WITH THE DATE OF THE ENTRANCE EXAM; THE OTHER STUDENTS, WHO GOT THE FINAL ADMISSION LETTER WITH NO EXAM DATE, DON'T HAVE TO GET THE ENTRANCE EXAM.**

ENTRANCE EXAM:

The entrance exam will be held on Wednesday October 3rd 2018 at 2 pm. It will take place in the meeting hall of the Department of Business and Law (DISAG), piazza S. Francesco, 7 in Siena (first floor).

The Commission for Finance will be composed of Proff. Giampaolo Gabbi and Costanza Consolandi (substitutes: proff. Nicola Dimitri, Claudio Pacati, Antonio Roma, Marcello Basili).

MODE

The test will consist of a written exam and/or an oral interview, covering three disciplinary areas: Macroeconomics, Financial Mathematics, and Financial Markets.

Topics and suggested textbooks:

I – Macroeconomics (monetary and financial aspects)

The financial system: operations and institutions; the role of the Central bank; money and bond markets, interest rate determination; term- structure of interest rates; open market operations; money and monetary base; definition of monetary aggregates M1, M2, M3, money supply and demand; monetary expansions/contractions in the IS - LM model; the deposit multiplier.

Suggested textbooks: Blanchard O., Macroeconomics, 7th Edition, Pearson, 2017.

Mishkin F. and Eakins S., Financial Markets and Institutions, 8th Edition, Pearson, 2009.

II – Financial Mathematics: Basic quantities (factors, rates, yields), law of simple interest (linear law), law of compound interest (exponential law), annuities and amortisation; internal rate of return; term structure of interest rates (spot and forward); duration and interest rate risk; floating rate notes; interest rate swaps.

Suggested textbooks: David G. Luenberger, Investment Science, 2nd Edition, Oxford University Press, 2013 (Ch.1 - 4, 12 – up to 12.5, including).

G. Castellani G., De Felice M., Moriconi, F., Manuale di Finanza vol. I (Tassi d'interesse. Mutui e obbligazioni), Il Mulino, 2005.

III – Financial Markets

Intermediation circuits and financial balances of economic operators; financial instruments traded in markets and their derivatives; pricing and valuation models for bonds, equities and their derivatives; construction of financial portfolios; performance measurements of portfolios.

Suggested textbooks: Hull J. C., Options, Futures, and Other Derivatives, Pearson College Division, 9th Edition, 2014 (Ch.1 – 13, 15, 19 – 20).

Caparrelli F., Economia del mercato mobiliare, Milano, McGraw - Hill, 2004.

Fabrizi P. L., L'economia del mercato mobiliare, Milano, Egea, 2006.

(CLASSES WILL START ON 15TH OCTOBER 2018)

MEDICAL BIOTECHNOLOGIES

The second level degree course in Medical biotechnologies is a restricted-access programme: it means that the applicants, in whatever system they have been educated, must satisfy specific admission requirements and pass an entrance exam in order to be enrolled. Only those students meeting the admission criteria and passing the entrance exam will be admitted to the course, in a number within the quota set by the Ministry.

The mandatory entrance exam will take place at the Department of Medical biotechnologies in Siena on 13th September 2018 at 9.00 am. -Policlinico S. Maria delle Scotte, Viale Bracci, 1 in Siena at "Centro Didattico", first floor, Room 9.

The selection is carried out through an interview aimed at evaluating not only the knowledge of the English language but also the skills in the following subjects:

- histology : molecular cytology, tissue structure
- biochemistry and molecular biology: cellular and molecular biochemistry
- human pathology: molecular and phenotypic bases of pathological processes
- immunology: knowledge of the immune system
- microbiology: general knowledge of bacteriology and virology
- genetics: basics of classical genetics.

Each candidate is assigned a score in hundredths; the candidates who have obtained at least 60/100 are admissible to the course. If the number of the candidates with a score of at least 60/100 exceeds the quota of the seats, a ranking of merit is drawn up. So, after that exam, in case of positive result and within the quota set by the ministry, the students will be admitted. If not, they can choose another course at the University of Siena or go to another Italian university.

(CLASSES WILL START ON 1ST OCTOBER 2018)

VERY IMPORTANT NOTE:

NO admission tests or exams are foreseen for the below mentioned second level degree courses offered in the English language. However, please note that the students will be enrolled in order of their arrival in Siena until the available places have been occupied:

ECONOMICS (CURRICULUM IN ECONOMICS) (CLASSES WILL START ON 15TH OCTOBER 2018)

INTERNATIONAL ACCOUNTING AND MANAGEMENT (CLASSES WILL START ON 15TH OCTOBER 2018)

INTERNATIONAL STUDIES (CURRICULUM IN EUROPEAN STUDIES) (CLASSES WILL START ON 1ST OCTOBER 2018)

LANGUAGE AND MIND: LINGUISTICS AND COGNITIVE STUDIES (CLASSES WILL START ON 15TH OCTOBER 2018)

PUBLIC AND CULTURAL DIPLOMACY (CLASSES WILL START ON 1ST OCTOBER 2018)

BIOTECHNOLOGIES OF THE HUMAN REPRODUCTION (CLASSES WILL START ON 1ST OCTOBER 2018)

GENETIC COUNSELLORS (CLASSES WILL START ON 1ST OCTOBER 2018)

BIOLOGY (CURRICULUM IN BIODIVERSITY AND ENVIRONMENTAL HEALTH) (CLASSES WILL START ON 22ND OCTOBER 2018)

CHEMISTRY (CLASSES WILL START ON 15TH OCTOBER 2018)

APPLIED MATHEMATICS (CLASSES WILL START ON 1ST OCTOBER 2018)

COMPUTER AND AUTOMATION ENGINEERING (CLASSES WILL START ON 1ST OCTOBER 2018)

ELECTRONICS AND COMMUNICATIONS ENGINEERING (CLASSES WILL START ON 1ST OCTOBER 2018)

ENGINEERING MANAGEMENT (CLASSES WILL START ON 1ST OCTOBER 2018)