



SOCIETY AND CULTURE

“Marco Biagi” Department of Economics

Call for applications
for the open access Master’s Degree Programme in

ECONOMICS and PUBLIC POLICY (EPP)

Class LM-56
Modena campus

Academic Year 2021 - 2022

Reserved to applicants with an Italian study qualification, EU applicants, and non-EU applicants residing in Italy

The course is taught entirely in English

Online application: **3 May to 6 September 2021**

Assessment Results: **by 10 September 2021**

Enrolment: **12 July to 20 December 2021**

IMPORTANT: any amendment to the deadlines or procedures concerning this Call for applications will be published exclusively on the webpage www.unimore.it/bandi/StuLau-Lau2V.html.

1. Preliminary information

This call for applications is addressed to **applicants with an Italian study qualification, EU applicants, and non-EU applicants residing in Italy**, who intend to enrol for the academic year 2021-2022 in the Master’s Degree Programme in Economics and Public Policy – (EPP).

All applicants must submit their APPLICATION starting **from 3 May and until 6 September 2021** by following the instructions described in this call for applications, and register for the assessment of their curricular requirements and academic background, that will be **verified on the basis of the documents provided. If necessary, they will also have an interview.**

Applications may also be submitted by students who have not yet been awarded their study qualification, which instead is mandatory for enrolling.

Requirements for admission and enrolment in the EPP Programme:

1. A Bachelor’s degree or at least a three-year university degree, or a different qualification obtained abroad by 20 December 2021 and deemed suitable
2. Requirements as per section 2 in this Call for applications
3. Adequate academic background assessed under the procedures mentioned in section 3 of this call for applications.

The President of the degree programme is Professor Mario Forni mario.forni@unimore.it

This call for applications does not apply to non-EU applicants residing abroad and requesting a visa. In order to be admitted to the degree programme in EPP, they must follow the selection procedure reserved to them, with deadline **30 June 2021**, outlined in the call for applications available on the website <https://www.international.unimore.it/bandilan.html>

2. Requirements

2.1 Students with an Italian study qualification

To enrol in the EPP programme, students must:

- a) have obtained a university degree (or obtain it by 20 December 2021) in the following classes: L-18 or L-33 (D.M. 270/04) or 17 or 28 (D.M. 509/99), or four-year degree (ante D.M. 509/99) in the economic field
or, alternatively
have obtained a university qualification of at least three years (or obtain it by 20 December 2021), and the set number of training credits in at least 2 of the following disciplinary fields:
 - a. -economics and history: 12 credits
 - b. -mathematics and statistics: 12 credits
 - c. -business and law: 12 credits

- b) As the degree programme is taught entirely in English, applicants are required to demonstrate at least a B2 level knowledge of the English language, proven by an **international language certificate**, in accordance with the Common European Framework of Reference. A list of the main language certifications recognised by UNIMORE is available on the website www.clamore.unimore.it
or, alternatively
submit a **declaration issued by the home University** (Language Centre or Department), confirming the required language skill level, if it cannot be inferred by the study programme
or, alternatively
take a **level test** at the University Language Centre of UNIMORE, specifically scheduled for students who have applied for the EPP assessment. Further information on how to book the test is available on the Department website www.economia.unimore.it

PLEASE NOTE

Applicants not attaching any language certificate or declaration by the home university to the application by **6 September 2021** as they are awaiting to take the level test at the University Language Centre (CLA) of UNIMORE or to obtain the international language certificate will be initially assessed as "ADDITIONAL REQUIREMENTS".

- The result of the level test taken at the CLA will be automatically acquired by the examination Board, which will update the eligibility or non-eligibility of the student to the degree programme.

- International language certificates obtained after **6 September 2021** must be sent to lara.liverani@unimore.it by **18 December 2021**, in good time to update the student's eligibility status and enable his/her enrolment by **20 December 2021**.

Note for UNIMORE internal applicants

Applicants' English language skills are compared to B2 level and therefore, not requiring to further prove their language skills:

- they come from a three-year degree programme in *International Economics and Marketing, MD 270/04* and have passed the 2nd English language exam with a mark of at least 27/30
- they come from a three-year degree programme in *Business Economics, MD 270/04 and Economics and Finance* and have passed the 2nd English language exam (free choice exam) with a mark of at least 27/30
- they come from a three-year degree programme in *International Economics and Marketing, MD 509/99* and have passed the 3rd English language exam with a mark of at least 27/30
- they come from a three-year degree programme in *Business Economics, MD 509/99, and Economic and Social Sciences* and have passed the 2nd English language exam (free choice exam) and 3rd English language exam, obtaining a mark of at least 27/30 in the latter
- they come from the three-year degree programme in *Languages and European Cultures, MD 270/04* and have passed the exams in English language; Language, culture and institutions of English speaking countries; Linguistics, Translation and mediation in English.

2.2 EU students and non-EU students residing in Italy, in possession of a foreign study qualification

Applicants with a foreign study qualification must:

- a) have obtained or obtain by 20 December 2021 a Bachelor's Degree deemed suitable, and have gained basic knowledge in economics and history, mathematics and statistics, and business and law
- c) As the degree programme is taught entirely in English, applicants are required to demonstrate at least a B2 level knowledge of the English language, proven by an **international language certificate**, in accordance with the Common European Framework of Reference. A list of the main language certifications recognised by UNIMORE is available on the website www.clamore.unimore.it
or, alternatively
submit a **declaration issued by the home University** (Language Centre or Department), confirming the required language skill level, if it cannot be inferred by the study programme
or, alternatively
take a **level test** at the University Language Centre (CLA) of UNIMORE, specifically scheduled for students applying for the EPP assessment: Further information is available on the Department website www.economia.unimore.it

PLEASE NOTE

Applicants not attaching any language certificate or declaration by the home university to the application by **6 September 2021** as they are awaiting to take the level test at the University Language Centre (CLA) of UNIMORE or to obtain the international language certificate will initially get the assessment "ADDITIONAL REQUIREMENTS".

- The result of the level test taken at the CLA will be automatically acquired by the examination Board, which will update the eligibility or non-eligibility of the student to the degree programme.
- International language certificates obtained after **6 September 2021** must be sent to lara.liverani@unimore.it by **18 December 2021**, in good time to update the student's eligibility status and enable his/her enrolment by **20 December 2021**.

3. Assessment of academic background

3.1 Students with an Italian study qualification

The academic background is deemed fully adequate if the applicant has a weighted average of the grades of the exams taken in his/her previous study career of at least **24/30**. If the weighted average of the scores is lower, the applicant must take a **short written test followed by an interview**. The Appendix of this call for applications contains a list of the topics that may be explored for the interview and the written test.

The first interview will take place on **16 September 2021**, whereas the second and last interview is scheduled on **1 October 2021**.

In the event that face-to-face educational activities are not permitted due to the Covid-19 emergency, the written examination will take place remotely, in accordance with the procedures that will be notified promptly on the Department website www.economia.unimore.it

3.2 EU students and non-EU students residing in Italy, in possession of a foreign study qualification

The academic background is deemed fully adequate if the average mark of the applicant's previous university career is at least **24/30**. Otherwise, the applicant must take a **short written test followed by an interview**. The Appendix of this call for applications contains a list of the topics that may be explored for the interview and the written test.

The first interview will take place on **16 September 2021**, whereas the second and last interview is scheduled on **1 October 2021**.

In the event that face-to-face educational activities are not permitted due to the Covid-19 emergency, the written examination will take place remotely, in accordance with the procedures that will be notified promptly on the Department website www.economia.unimore.it

4. Submitting an online application

INFORMATION USEFUL FOR ALL APPLICANTS

Students login and access procedure to Esse3 functions is outlined in this call for applications, with reference to UNIMORE credentials generated by Esse3 at the time of Registration. However, all functions through SPID access are still being implemented.

All applicants (even though they have not yet been awarded the degree) must submit the application for evaluation starting from 3 May and until 6 September 2021 on the website www.esse3.unimore.it.

Applicants not submitting their application by that date will not be eligible for enrolment.

Create your account at www.esse3.unimore.it by clicking on the "Registration" section (on the Menu tab) to get your username and password required to access to the *Reserved Area*. Log in and select "Registered/Student area" (on the Menu tab) and then "**Application for evaluation**" and fill in your application.

The procedure for submitting the application for evaluation varies based on the study qualification of the applicant.

4.1 Students with an Italian study qualification

After entering the data on the study qualification, saving and confirming the application for evaluation in Esse3 by clicking on “Do you want to submit your application now?”, select “completamento domanda” (completing the application) and go to the following link to attach the study certifications:

<https://siaweb.unimore.it/private/valutazionilm/default.aspx?aa=2021&TestId=41> (the link takes to a page that prompts the user to re-enter username and password), as specified in esse3 and in the **Guide to the application for evaluation** for master’s degree programmes, which can be downloaded from www.unimore.it/servizistudenti/guideesse3.html

Applicants must indicate:

- **The exams taken** and relevant score, credits (CFUs), exam date, scientific-disciplinary sector (SDS). **(save for UNIMORE graduates/graduating students)**
(Applicants coming from a degree programme of the former degree system, with no CFUs and SDS shall enter “0”. A character must be entered)

and also attach:

- **detailed programmes** (contents and bibliography) of each exam taken. **(save for UNIMORE graduates/graduating students)**
- **European format CV** with email address and telephone number, **(also for UNIMORE graduates/graduating students)**
- **English language skills certificate**
or, alternatively
declaration by the home university stating the English level achieved, if not inferable from the study programme

and finally enter in the “notes” field of the summary page:

- **letter motivating the choice of the degree programme** (max 1,500 characters, including spaces) **(also for UNIMORE graduates/graduating students).**

Please note that certificates issued by the public administration may not be attached, as pursuant to Art. 15 of law 183/2011 they cannot be submitted to public administrations.

IMPORTANT: the application is deemed actually submitted only **after the applicant has saved the data and answered YES to the question** “Do you want to submit your application now?” The application may now be printed and kept as a personal reminder.

4.2 EU students and non-EU students residing in Italy, in possession of a foreign study qualification

In order to be assessed, applicants shall upload in Esse3:

- **degree certification.** Students who have not yet obtained the qualification must state the expected awarding date. The list of the exams passed, the grades obtained and any future exams shall also be reported in the attachments.

- **a programme summary for each exam taken** (it may also be submitted in English)
- **European format CV** with email address and telephone number
- **English language certificate**
or, alternatively
declaration of the home university stating the English level achieved, if not inferable from the study programme
- **motivation letter** (max 1,500 characters, including spaces), indicating the reasons for choosing the study programme.

You can download the **Guide to the application for evaluation** for admission to Master's Degree programmes at <https://www.unimore.it/servizistudenti/guideesse3.html>

IMPORTANT: the application is deemed actually submitted only **after the applicant has saved the data and answered YES to the question** "Do you want to submit your application now?" The application may now be printed and kept as a personal reminder (no need to hand it over to any office).

5. Amending or reopening an application for evaluation

5.1 Applicants with an Italian study qualification

Before the evaluation results:

Should you need to open the application again to change any data or add documents within the deadline of **6 September 2021** and before you are assessed, you may send an e-mail to Professor Mario Forni mario.forni@unimore.it or clm_economiaepolitichepubbliche@unimore.it

5.2 EU applicants and non-EU applicants residing in Italy, in possession of a foreign study qualification

Before the evaluation results:

Should you need to open the application again to change any data or add documents within the deadline of **6 September 2021** and before you are assessed, send an e-mail to the Registrar's Office segrstud.economia@unimore.it

6. Assessment Results

The examination board, appointed by the Council of the "Marco Biagi" Department of Economics, assesses the qualifications and the documentation attached to the application. Applications are evaluated in the order of submission. The assessment results will be made available to applicants on www.unimore.it/bandi/StuLau-esiti.html.

The results will be published on the above-mentioned page **by 10 September 2021** as follows:

- **PASS:** the student's personal background is deemed suitable and the curricular requirements are met; therefore, if the study qualification has been obtained, the applicant may complete the final enrolment in the programme by following the instructions outlined in 7.
- **ADDITIONAL REQUIREMENTS:** although the curricular requirements are met, the board identifies

any deficiencies in the personal background and invites the student to take a **written test followed by an interview** (see section 3). In the event that face-to-face educational activities are not permitted due to the Covid-19 emergency, the written examination will take place remotely, in accordance with the procedures that will be notified promptly on the Department website www.economia.unimore.it. Applicants awaiting to take the level test at the CLA of UNIMORE or to get the language certification are considered to have “credit obligations”.

- **FAIL:** it is the result of not meeting the curricular requirements and/or deficiencies not overcome in the initial personal background. In this case, the applicant will not be allowed to enrol.
- **INCOMPLETE APPLICATION:** if the Board decides that no assessment can be made as the required documentation is incomplete, the application is deemed an “*incomplete application*” and it is automatically reopened. Applicants shall attach the missing documents and finally close the application for a new assessment by **6 September 2021**.
- **NOT FINAL APPLICATION:** if the student has not explicitly confirmed the application by answering YES in the specific field “*Do you want to submit your application now?*”.
- **APPLICATION INCORRECTLY SUBMITTED:** the application for assessment is not taken into account because the student holding an Italian study qualification has not attached the documentation relating to his/her own studies by opening the link <https://siaweb.unimore.it/private/valutazionilm/default.aspx?aa=2021&TestId=41>

7. Enrolment

The enrolment procedure **differs according to the study qualification of the applicant. Part-time enrolment is not available.**

7.1 Students with an Italian study qualification

After obtaining a PASS evaluation, starting from **12 July and until 20 December 2021**, applicants will be able to enrol entirely online.

All students with an Italian study qualification may enrol by going to www.esse3.unimore.it, clicking on “Enrolments”, and following the instructions provided in the “Online enrolment” guide available on www.unimore.it/servizistudenti/guideesse3.html

After filling out the enrolment application, login to www.esse3.unimore.it, log in and select *Registered/Student Area* from the *Menu* tab, then go to the *Tax* section to view the amounts due. Pay the first instalment of tuition fees **by 20 December 2021**, under penalty of exclusion: Payment may only be made through the Pago PA circuit.

Payment methods are indicated on www.unimore.it/ammissione/pagamenti.html

IMPORTANT

Please note that the payment date indicated on the ELECTRONIC PAYMENT RECEIPT applies.

Payments reporting a date later than 20 December 2021 on the receipt will not be deemed valid for enrolment purposes.

PLEASE NOTE According to AgID (Digital Italy Agency), the payment may be made by the payment service provider on the day following the payer's request. This would preclude the enrolment.

To enrol, students must complete the procedure in Esse3 pay the first instalment by **20 December 2021**. However, filling in the enrolment application and paying the first fee instalment only lead to a *conditional enrolment* that will become final only after the checks by the offices in charge have been carried out successfully. The enrolment is final after 15 days since the payment date if no email is received requesting for the enrolment to be completed.

7.2 EU students and non-EU students residing in Italy, in possession of a foreign study qualification

Applicants will be able to enrol after obtaining a PASS evaluation, starting from **12 July and until 20 December 2021**.

Students must deliver the study documents to the Registrar's Office for the "Marco Biagi" Department of Economics located in Modena at the address via Università no. 4. Opening times are available at the link www.unimore.it/servizistudenti/segreteriestudenti.html

Applicants in possession of a foreign study qualification must show the following documents to the Registrar's Office:

- Bachelor degree diploma, translated and legalised by the Italian Embassy/Consulate
- declaration of value of the university degree diploma, issued by the Italian Embassy/Consulate in the country of the school issuing the degree or, alternatively, declarations issued by ENIC-NARIC centres
- Degree certificate, issued by the University awarding the degree
- diploma supplement for university qualifications issued by Institutions of countries participating in the European Higher Education Area, (as an alternative to the declaration of value)
- copy of the residence permit or alternatively a copy of the post office receipt, certifying the filing of the residence permit request.
- valid ID
- passport photo

In order to ensure that the study documentation is complete and sufficient for the future enrolment, students are invited to ask the Registrar's Office to **EXAMINE IT IN ADVANCE**.

Students unable to get the documentation required for the enrolment by the Italian Embassy or Consulate may apply for a COMPARABILITY CERTIFICATE and VERIFICATION CERTIFICATE to be issued by the Centro di informazione sulla mobilità e le Equivalenze accademiche (CIMEA), which belongs to ENIC-NARIC networks. Website: www.cimea.it/it/index.aspx For further information, please visit the website www.cimea.it/it/servizi/attestati-di-comparabilita-e-certificazione-dei-titoli/attestati-di-comparabilita-e-di-verifica-dei-titoli-diplome.aspx

After verifying the correctness of the documents submitted by the applicant, the Registrar's Office will issue the invoice for the fees due and confirms the enrolment once the first instalment has been paid.

Payment methods are indicated on www.unimore.it/ammissione/pagamenti.html

IMPORTANT

Please note that the payment date indicated on the ELECTRONIC PAYMENT RECEIPT applies.

Payments reporting a date later than 20 December 2021 on the receipt will not be deemed valid for enrolment purposes.

PLEASE NOTE According to AgID (Digital Italy Agency), the payment may be made by the payment service provider on the day following the payer's request. This would preclude the enrolment.

8. Transfers from other universities and students from other UNIMORE programmes

Students enrolled in other master's degree programmes at UNIMORE or other universities, who intend to enrol in the EPP master's degree programme are subject to the evaluation procedure as per what provided for in this call for applications. Students who have obtained a PASS evaluation must comply with the procedure below.

Applicants moving within two UNIMORE programmes must:

1. pay the first tuition fee instalment for the academic year 2021-2022 relating to the degree programme in which they are enrolled and make sure they have paid the tuition fees and any additional fees of previous academic years
2. file the request for moving to a different study programme at the HOME registrars' office by submitting the specific form available at the link www.unimore.it/servizistudenti/modulistica.html

Applicants moving from a different Italian university must:

1. file the transfer request at their HOME university
2. follow the transfer enrolling procedure on www.esse3.unimore.it. After logging in and entering username and password:
 - go to "Enrolment" and follow the instructions in section 7 ENROLMENT, attaching a passport photo and a valid ID
 - **select "Trasferimento in ingresso" (Incoming transfer) as enrolment type** and continue by entering the data of the home University
 - **attach the "Richiesta di trasferimento in ingresso" (Incoming transfer request) form**, after downloading it from the website www.unimore.it/servizistudenti/modulistica.html and duly filling it out
 - then go to the *Tax* section to view the amounts due. **Pay the first instalment of tuition fees by 20 December 2021**, under penalty of exclusion. Payment may only be made through the Pago PA circuit. Payment methods are indicated on www.unimore.it/ammissione/pagamenti.html

Simultaneous enrolment in multiple Universities is illegal.

Please submit the transfer request to the home University BEFORE starting the UNIMORE online procedure of "Enrolment for transfer from another University".

Applicants enrolled in other Universities or UNIMORE who intend to WITHDRAW from their studies must:

1. submit the relevant request for withdrawal to the Registrar's Office of the Degree Programme in which they are enrolled at the home University or UNIMORE
2. fill in the online enrolment application by selecting the "*Withdrawal*" option and pay the first instalment of tuition fees **by 20 December 2021**.
3. if they have taken examinations and want them to be validated, attach the "*Recognition of teaching activities*" form, duly filled in, to the enrolment application. The form may be downloaded from the website www.unimore.it/servizistudenti/modulistica.html.

Students may be admitted to the 2nd year only if **at least 27 credits** of their previous career are deemed valid. The exams taken in their previous career are assessed and possibly validated by resolution of the Department Council, as soon as the home university sends the student's career to the UNIMORE registrar's office.

Please note that a EUR 55.00 fee shall be paid when applying for the validation of the teaching activities. The payment may be made in Esse3 under the *Tax* section.

9. Contributions and benefits

The amount of tuition fees is based on the ISEE 2021 (Indicator of the Equivalent Financial Situation) certifying the financial situation of the student's household. Up to the ISEE threshold of € 23,000 euros, a NO TAX AREA exemption applies. Above that threshold, tuition fees are calculated on a progressive basis. For the calculation of the tuition fees based on the student's financial situation, an **online application shall be submitted** by the deadlines set in the relevant Call for Applications <https://www.er-go.it/index.php?id=3600>. Students failing to submit the online application by the set deadlines or whose ISEE statement is higher than the threshold indicated in the call for applications will not benefit from a reduction of tuition fees. Tuition fees are paid in instalments, the due dates of which are reported at the following link: <https://www.unimore.it/ammissione/tasse.html>.

The application for determining the tuition fees, as well as the application for the scholarship, accommodation in university residences, hospitality services and other allowances, shall be submitted **online from the website www.er-go.it** strictly by the deadlines set in the **Call for Benefit Applications**, even before the enrolment in the study programme. The Call will be published around the beginning of July 2021. Students are invited to check the various deadlines. For further information and to check any update on the academic year 2021/22, please visit the website <https://www.unimore.it/ammissione/tasse.html>.

The information provided above is up-to-date as of today's date; it may be subject to update/change/integration based on the Decisions of the University bodies made after this call is published. Any update/change/integration will be published and disclosed on the website www.unimore.it

10. Person in charge of the procedure

Pursuant to Law no. 241/1990, the person in charge of the procedure is Ms. Elda Toschi, reference officer at the Registrar's Office. The office responsible is the Registrar's Office for the Marco Biagi Department of Economics: tel. 059/2056459; e-mail: elda.toschi@unimore.it

An appeal may be lodged against the content of this call before the Administrative Court of Emilia Romagna Region or an extraordinary appeal may be lodged before the President of the Republic in accordance with

the law. Any appeal shall be notified to this Administration exclusively by sending an e-mail to the following certified e-mail address: direzionelegale@pec.unimore.it

11. Contacts

For IT issues on the application, the online enrolment procedure or to retrieve the Esse3 log on credentials, please send an e-mail to webhelp@unimore.it
Assistance service opening hours: Monday to Thursday from 9:00am to 5:00pm and on Fridays from 9:00am to 2:00pm

For information on teachings, please contact the Teaching Office for the Marco Biagi Department of Economics located in via Berengario 51, Modena
Opening hours: Tuesdays and Thursdays 9:30am to 12:30pm
e-mail info.economia@unimore.it
Department website www.economia.unimore.it

For administration issues and information on the call for applications, please contact the Registrar's Office, Via Università 4, 41125 – Modena
Tel. 059/2056404 e-mail segrstud.economia@unimore.it
For opening hours, please go to www.unimore.it/servizistudenti/segreteriastudenti.html

Welcome Office for Students with Disability and Specific Learning Disorders
Tel. 059 2058311 - 0522 523506 e-mail disabilita@unimore.it

For issues relating to the online application for benefits e-mail servizi.studenti@unimore.it
Website for submitting the application for benefits www.er-go.it

Students may contact the International Welcome Desk for advice and assistance with paperwork for requesting residence permits, tax code, registration with the National Health Service (SSN), health insurance, opening bank accounts and housing.

email: internationalwelcomedesk@unimore.it

Phone: 059 2058171

In Modena:

-Via S. Geminiano, 3

Monday - Wednesday - Friday - from 9:30am to 3:00pm

In Reggio Emilia:

- Via Allegri, 15 at the Students' Services Office

On Wednesdays every two weeks and based on specific needs.

For information on study programmes, assessment and enrolment procedures please contact:

Informastudenti: email: informastudenti@unimore.it

In Modena:

-Via Università, 4 - ground floor tel. 059 205 8255

In Reggio Emilia:

- Viale A. Allegri, 15 - ground floor - tel. 0522 523 555

Opening hours are available at the link www.orientamento.unimore.it/site/home/orientamento-allo-studio-e-tutorato.html

The Registrar's Office and Informastudenti will be closed from 13 to 20 August.

Modena, 23 April 2021.

The Rector

Prof. Carlo Adolfo Porro

APPENDIX

An interview will be scheduled for applicants with an average score lower than 24/30 for the three-year degree, and will deal with topics relating to one of the 5 subjects listed below:

Applicants shall agree the topic of the interview in advance with the contact points of the board.

Before the interview, applicants will take a **short written test** (25 minutes) on the topic agreed. A written test facsimile is available under request.

1. microeconomics

- a. Consumers' behaviour
- b. Production and costs
- c. Perfectly competitive markets
- d. Monopoly

and may be prepared (or reviewed) on a standard introduction test, such as: Bernheim and Whinston, *Microeconomics*, McGraw-Hill.

2. macroeconomics

- a. Basic notions on national accountancy
- b. National income and the short-term balance
- c. The IS-LM model
- d. The job market
- e. Open economics

and may be prepared (or reviewed) on a standard introduction test, such as: Blanchard, *Scoprire la Macroeconomia*, volume I. Bologna, Il Mulino.

3. public economics

- a. Welfare economics and causes of market failures
- b. Public finance in Italy and the tools for the annual budgetary manoeuvre
- c. Tax theory
- d. Welfare state expenditure (pensions, healthcare, assistance and education)

and may be prepared (or reviewed) on a standard introduction test, such as: P. Bosi (curated by), *Corso di scienza delle finanze*, Bologna, Il Mulino.

4. statistics:

- a. Descriptive statistics
- b. Probability and casual variables
- c. Sampling and sample distributions
- d. Point estimate and estimate at intervals

and may be prepared (or reviewed) on a standard introduction test, such as: Borra, S., Di Ciaccio, *Statistica. Metodologie per le scienze economiche e sociali*, McGraw-Hill, Milano

5. mathematics

- a. Sets
- b. Equations and inequalities
- c. Real functions of a real variable
- d. Limits, continuity and differentials calculation

and may be prepared (or reviewed) on a standard introduction test, such as: G. Ricci, *Matematica generale*, McGraw Hill, Milano