PhD Programme in “Companies, Institutions and Behavioural Science”

Coordinator:  
Prof.ssa Rosella Tomassoni  
Tel. 0776/2993823  
e-mail: r.tomassoni@unicas.it

Available positions: 13  
Scholarships: 10 of which  
• 7 with scholarships financed by the University  
• 3 with scholarships financed by the Università Telematica Pegaso

Positions without scholarship: 3

Length of course: 3 years

Curriculum | Research Topics
---|---
1) Institutions and Enterprise  
This project centres on the relationship between collective and individual behaviour, on the one hand, and the organisation of institutions and economic activity on the other.  
Activities are characterised by their multidisciplinary nature through the integration of social, economic, business and legal perspectives with respect to themes of behaviour and organisation. The aim is to provide a multidisciplinary and interdisciplinary knowledge of both content and research methods.  
This curriculum allows PhD students to acquire new competences and offers a solid specialisation for professionalism aimed at research and/or professions requiring advanced scientific skills.  
In this specialisation mainly methodologies from the legal, business and management sciences are used to investigate the variety of ways in which businesses can create and defend competitive advantages, also with reference to the theme of quality.  

2) Economics and Markets  
This project centres on the relationship between collective and individual behaviour, on the one hand, and the organisation of institutions and economic activity on the other.  
Activities are characterised by their multidisciplinary nature through the integration of social, economic, business and legal perspectives with respect to themes of behaviour and organisation. The aim is to provide a multidisciplinary and interdisciplinary knowledge of both content and research methods.  
This curriculum allows PhD students to acquire new competences and offers a solid specialisation for professionalism aimed at research and/or professions requiring advanced scientific skills.  
In this specialisation there is a prevalence for interest in economic and quantitative analysis of topics linked to behavioural economics, enterprise, the organisation of (national and international) markets and the territory.
3) Behavioural Science

This project centres on the relationship between collective and individual behaviour, on the one hand, and the organisation of institutions and economic activity on the other.

Activities are characterised by their multidisciplinary nature through the integration of social, economic, business and legal perspectives with respect to themes of behaviour and organisation. The aim is to provide a multidisciplinary and interdisciplinary knowledge of both content and research methods.

This curriculum allows PhD students to acquire new competences and offers a solid specialisation for professionalism aimed at research and/or professions requiring advanced scientific skills.

In this specialisation the relationship between human cognition and behaviour motivation is studied both in individuals and in collective and organisational contexts, as well as creative, artistic and emotional processes.

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**Entrance Qualifications:**

all lauree specialistiche/magistrali (in the case of qualifications from abroad, an equivalent qualification)

**Documentation to be attached to the application, failure to do so will result in exclusion.**

Identification document

**Selection Procedures:**

The admission exam consists of a written exam and an oral exam.

The exams can be in English upon explicit request of the candidate in the application form.

**Written exam**

Curriculum: **Institutions and Enterprise:**

a) Candidates interested in legal aspects must write about a topic selected from three topics proposed by the Examination Committee. The subjects to be examined concern private, public and criminal matters, while giving attention to the historical, philosophical and supranational system.

b) Candidates interested in corporate aspects must write about a topic selected from three topics proposed by the Examination Committee. The subjects to be examined concern matters related to the areas of management, organisation and corporate finance.

Curriculum: **Economics and Markets:**

Candidates can choose from three topics proposed by the Examination Committee of their chosen specialisation that will deal with general topics of that discipline.

The subjects to be examined are those of microeconomics and macroeconomics that can be found in any intermediate level textbook used in a Laurea Magistrale economics course.

Curriculum: **Behavioural Science:**

Candidates interested in “Behavioural” aspects must write about a topic selected from three topics proposed by the Examination Committee that will deal with general topics of Behavioural Science. The
subjects to be examined can be found in any Humanities and Social Science textbook.

**Oral exam:**
The oral exam requires the physical presence of the candidate. It will test knowledge of the written exam topics and will also evaluate the candidate’s propensity and aptitude for research in the chosen field. It will also assess knowledge of the English language and preferably knowledge of another foreign language (French, Spanish or German).

**Assessment criteria:**
- level of knowledge of the subject;
- clarity
- coherency;
- critical thinking skills of analysis and synthesis.
- A pass in the written exam admits candidates to the oral exam. To pass candidates must obtain a mark of at least 40/60. Candidates must obtain a mark of at least 40/60 to pass the oral exam. The sum of the marks obtained in the written and oral exam determines the ranking of merit.

**Subjects included in the exam.**
Economics, Legal and Behavioural disciplines.
The exams aim to assess the candidate’s knowledge and aptitude towards scientific research.

**Location of the entry examinations**
Department of Economics and Law, Campus Folcara, località Sant’Angelo, 03043 Cassino (FR)

**Date of examinations**
<table>
<thead>
<tr>
<th>Date of the written exam</th>
<th>19 September 2017 at 14:00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of results of written exam</td>
<td>25 September 2017 <em>(published on the university website)</em></td>
</tr>
<tr>
<td>Date of the oral exam</td>
<td>27 September 2017 at 13:00</td>
</tr>
<tr>
<td>Publication of ranking list.</td>
<td>by 10 October 2017</td>
</tr>
</tbody>
</table>

**Information about teaching methods**
PhD Course in “Literary and Historical Sciences in the Digital Age”

| Coordinator: | Prof. Paolo De Paolis  
Tel. 0776/2993558  
e-mail: depaolis@unicas.it |
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Total number of positions available</td>
<td>5</td>
</tr>
<tr>
<td>Scholarships/grants</td>
<td>4 (financed by the University)</td>
</tr>
<tr>
<td>Positions without a scholarship</td>
<td>1</td>
</tr>
<tr>
<td>Duration of course:</td>
<td>3 years</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Curriculum</th>
<th>Research Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Historical and philological-literary studies on the ancient and medieval world</td>
<td>The curriculum aims to provide formation in historical and philological-literary research on ancient and medieval texts, the production, writing and decoration of manuscripts and the cataloguing techniques of codices and documents, with reference to the use of the principal technologies of Digital Humanities.</td>
</tr>
<tr>
<td>2) Italian and European historical-literary philological and linguistic studies</td>
<td>The curriculum aims to provide formation in historical-literary, linguistic and philological research in Italian, French, English and Anglo-American literature with intertextual and comparative methodologies and consideration of literary theory and criticism with reference to the use of the principal technologies of Digital Humanities.</td>
</tr>
</tbody>
</table>

Admission requirements:
All Specialist/Master degrees (or valid equivalent foreign degrees)

Mandatory documentation to be attached to the application (failure to do so will result in exclusion)

- curriculum (to be complied in accordance with the guidelines attached to the call for applications – “Attachment C” available on the University website)
- research project (to be compiled following the requirements set out in the call for applications – “Attachment D” available on the University website)

Additional eligible qualifications

- publications (no limit to number)
- other qualifications ( further qualifications other than the entrance requisites will be considered, such as : degree certificates, Masters’s degree certificates, specialization and/or advanced courses, postgraduate formation courses, documented participation in research projects)

Selection procedures
The admission exam consists of a proficiency test, a written examination and an oral examination. The proficiency test evaluation enables the candidate to be admitted to the written examination
and is decided upon by the examining committee on the basis of the following: curriculum, research project, any publications, any further academic qualifications.

The written examination will last 4 hours; the written paper will be assessed with a grade out of 60; a minimum of 40/60 will be necessary to gainj access to the oral examination. The written examination will differ according to the chosen curriculum as illustrated below:

- **Curriculum for Historical and philological-literary studies on the ancient and medieval world:**
  The examination will involve two series of translations, transcriptions and questions; the candidate may choose one of the two series;
  **Series n. 1**
  - Choice of translation into Italian of a passage either from Greek or from Latin complete with critical apparatus and information concerning the main manuscripts, with a philological analysis of the apparatus and the variants.
  - Choice of a transcription of a brief section of the text of a Greek or Latin manuscript
  - Multiple choice or open questions concerning: the main Greek and Latin historical-literary themes; the transmission of Greek and Latin texts; textual criticism; philological terminology; written Greek or Latin culture.

  **Series n. 2**
  - Choice of translation into Italian of a brief passage from Greek or Latin.
  - Choice of a transcription of a brief section of text from a Greek or Latin manuscript including an attempt at indicating date and origin.
  - Multiple choice or open questions concerning: History of Miniature, Greek and Latin Palaeography, Musical Palaeography, Codicology (identification and contextualization of scripts and decorative typologies, understanding of cataloguing skills), Philological Methodologies.

- **Curriculum for Italian and European Historical-Literary, Philological and Linguistic studies:**
  The examination will involve the choice of a literary, cultural-historic, stylistic and linguistic analysis of a passage taken from an Italian, French or English literary work.
  The following dictionaries are allowed: a) Greek-Italian (or Greek-modern language); b) Latin-Italian (or Latin-modern language); Italian language; monolingual French; monolingual English.
  The oral examination requires the physical presence of the candidate. It will be assessed with a grade out of 60. The passing grade is 40/60. The sum of the grades of the written and oral examinations will provide the final grade for a place in the merit ranking list.

  The oral exam will be held in Italian and will test the knowledge of the subject of the written paper with reference to the most significant Italian and foreign academic literature and the fundamental historical, literary-historical, philological, linguistic and palaeographic-codicological methodologies according to the chosen curriculum. It will also assess the full competence on the part of the candidate of the themes contained in the research project. The oral presentation will also establish the knowledge of the foreign language (English or French) indicated by the candidate on the application forms. Instead, foreign students will be required to prove adequate proficiency in the Italian language.
Evaluation criteria:

1) The following criteria will be used to assess the curriculum and research project:
   - characteristics and quality of previous learning experiences and research and of any publications consistent with the topics of the chosen curriculum
   - methodological approach and originality of the research project, adherence to the specific requests in the “Attachment D” form, consistency with the topics of the chosen curriculum

2) The following criteria will be used to assess the written examination:
   - accuracy and coherence in the answers given to the exam questions
   - linguistic accuracy in the written papers (literary analysis, translations)
   - precision in translations and transcriptions
   - valid interpretation and methodologies of literary analysis in the exam for Curriculum n. 2

3) The following criteria will be used to assess the oral exam:
   - possession of basic formation and essential research methodologies for the chosen curriculum and for the specific disciplines connected to the research project submitted
   - effectiveness of the presentation of the research project

Exam topics

Curriculum for Historical and philological-literary studies on the ancient and medieval world
Latin Language and Literature
Greek language and Literature
Transmission of Greek and Latin Classical Texts
Textual Criticism
Philological Terminology
Latin Palaeography
Greek Palaeography
Codicology
History of Miniature
Musical Palaeography

Curriculum for Italian and European Historical-Literary, Philological and Linguistic Studies*
A) Italian Studies
   Italian Literature
   Italian Linguistics

B) Anglistics
   English Language and Literature
   Anglo-American Language and Literature

C) French Language and Literature

*The candidate may choose one of the three fields for both the written and oral exam
## Exam Calendar

<table>
<thead>
<tr>
<th>Event</th>
<th>Date/Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Publication of proficiency test results</td>
<td><strong>7th September 2017</strong> (<em>notice published on website</em>)</td>
</tr>
<tr>
<td>Date of written examination</td>
<td><strong>13th September 2017, 9.00 a.m.</strong></td>
</tr>
<tr>
<td>Location of written examinations</td>
<td>Dipartimento di Lettere e Filosofia, via Zamosch 43, Cassino</td>
</tr>
<tr>
<td>Publication of written examination results</td>
<td><strong>20th September 2017</strong> (<em>notice published on website</em>)</td>
</tr>
<tr>
<td>Date of oral examination</td>
<td><strong>27th Settembre 2017, 9.00 a.m.</strong></td>
</tr>
<tr>
<td>Location of oral examinations</td>
<td>Dipartimento di Lettere e Filosofia, Aula dottorati, Pal. B, IV piano, Via Zamosch 43 Cassino</td>
</tr>
<tr>
<td>Publication of final merit ranking lists</td>
<td>by 10th October 2017</td>
</tr>
</tbody>
</table>

## Information on didactic activities

Ph D Programme in "Methods, Models and Technologies for Engineering"

| Co-ordinator:                  | Prof. Wilma Polini  
|                               | Tel. 0776-2993679  
<table>
<thead>
<tr>
<th></th>
<th>e-mail: <a href="mailto:polini@unicas.it">polini@unicas.it</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total number of positions available:</td>
<td>15</td>
</tr>
<tr>
<td>Positions with scholarships:</td>
<td>10 of which:</td>
</tr>
<tr>
<td></td>
<td>- 8 with scholarships financed by the University</td>
</tr>
</tbody>
</table>
|                               | - 1 scholarship co-funded for 50% by Università di Cassino e del Lazio Meridionale e for 50% by ENEA- Department Energy Technology(DTE) Research Centre Casaccia and Salerno Energy on the following topic: "Innovative systems applied to natural gas distribution networks"
|                               | 1 scholarship co-funded for 50% by Università di Cassino e del Lazio Meridionale e for 50% with fund of the projet “Liquefact” on the following topic “Models and methods for large-scale analysis of seismic liquefaction risk” |
| Positions reserved for recipients of scholarships from foreign states: | 2 |
| Positions without scholarships: | 3 |
| Length of the course: | 3 years |

Curriculum

<table>
<thead>
<tr>
<th>Research Topics</th>
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</thead>
<tbody>
<tr>
<td>1) Civil and Environmental Engineering</td>
</tr>
<tr>
<td>2) Information Engineering:</td>
</tr>
<tr>
<td>3) Electrical Engineering</td>
</tr>
<tr>
<td>4) Mechanical and Management</td>
</tr>
</tbody>
</table>
### Engineering topics of basic and applied research of interest for Mechanical and Management Engineering

It is intended to train researchers who are capable of independently setting up and managing processes of innovation in the field of configuration and system programming at highly automated content, the planning and control of processes and production systems, the management of the life cycle of materials, the design and management of equipment and facilities that use energy, the definition, management and control of all the processes that make up the material and immaterial wealth of a firm.

### 5) Environments and technologies for motor activity and health

The course aims to train highly qualified technical and scientific experts in the topics of basic and applied research of interest for Environments and Technologies for Motor Activity and Health. It is intended to train researchers who are capable of independently setting up and managing processes of innovation in the field of anatomical and biochemical awareness with the intent of understanding the basic functions of the human body in movement as well as the psychological aspects that can motivate attention to the body and the propensity to sport and motor activity.

### Qualification requisites for admission:

The following master’s/specialist degrees:
- LM-4 Architecture and Construction and Architectural Engineering
- LM-4 c.u. Architecture and Construction and Architectural Engineering (5 years)
- LM-17 Physics
- LM-18 Computer Science
- LM-20 Aerospace Engineering and Astronautics
- LM-21 Biomedical Engineering
- LM-22 Chemical Engineering
- LM-23 Civil Engineering
- LM-24 Engineering Building Systems
- LM-25 Automation Engineering
- LM-26 Safety Engineering
- LM-27 Telecommunications Engineering
- LM-28 Electrical Engineering
- LM-29 Electronic Engineering
- LM-30 Energy and Nuclear Engineering
- LM-31 Management Engineering
- LM-32 Computer Engineering
- LM-33 Mechanical Engineering
- LM-34 Marine Engineering
- LM-35 Environmental and Territorial Engineering
- LM-40 Mathematics
- LM-51 Psychology
- LM-53 Science and Material Science Engineering
- LM-55 Cognitive Sciences
- LM-67 Sciences and Techniques of Preventative and Adapted Physical Activities
- LM-68 Science and Sport Techniques
- LM-74 Geological Sciences and Technologies
- LM-79 Geological Sciences
- 20/S (specialist in Physics)
23/S (specialist in Computer Science)
25/S (specialist in Aerospace Engineering and Astronautics)
26/S (specialist in Biochemical Engineering)
27/S (specialist in Chemical Engineering)
28/S (specialist in Civil Engineering)
29/S (specialist in Automation Engineering)
30/S (specialist in Telecommunications Engineering)
31/S (specialist in Electrical Engineering)
32/S (specialist in Electronic Engineering)
33/S (specialist in Energy and Nuclear Engineering)
34/S (specialist in Management Engineering)
35/S (specialist in Computer Engineering)
36/S (specialist in Mechanical Engineering)
37/S (specialist in Marine Engineering)
38/S (specialist in Environmental and Territorial Engineering)
39/S (specialist in Mathematical Engineering)
40/S (specialist in Mathematics)
41/S (specialist in Physics and Nuclear Engineering)
42/S (specialist in Computer Engineering)
43/S (specialist in Mechanical Engineering)
44/S (specialist in Marine Engineering)
45/S (specialist in Mathematics)
46/S (specialist in Physics and Nuclear Engineering)
47/S (specialist in Computer Engineering)
48/S (specialist in Mechanical Engineering)
49/S (specialist in Marine Engineering)
50/S (specialist in Mathematics)
51/S (specialist in Physics and Nuclear Engineering)
52/S (specialist in Computer Engineering)
53/S (specialist in Mechanical Engineering)
54/S (specialist in Marine Engineering)
55/S (specialist in Mathematics)
56/S (specialist in Physics and Nuclear Engineering)
57/S (specialist in Computer Engineering)
58/S (specialist in Mechanical Engineering)
59/S (specialist in Marine Engineering)
60/S (specialist in Mathematics)
61/S (specialist in Physics and Nuclear Engineering)
62/S (specialist in Computer Engineering)
63/S (specialist in Mechanical Engineering)
64/S (specialist in Marine Engineering)
65/S (specialist in Mathematics)
66/S (specialist in Physics and Nuclear Engineering)
67/S (specialist in Computer Engineering)
68/S (specialist in Mechanical Engineering)
69/S (specialist in Marine Engineering)
70/S (specialist in Mathematics)
71/S (specialist in Physics and Nuclear Engineering)
72/S (specialist in Computer Engineering)
73/S (specialist in Mechanical Engineering)
74/S (specialist in Marine Engineering)
75/S (specialist in Mathematics)
76/S (specialist in Sciences and Techniques of Preventative and Adaptive Physical Activities)

The following degrees are admissible only for access to curriculum 5) Environments and technologies for motor activity and health:
LM-51-Psychology
LM-55-Cognitive Sciences
LM-67-Sciences and Techniques of Physical and Adapted Activities
LM-68-Science and Sport Techniques
76/S (specialist in Sciences and Techniques of Physical and Adaptive Activities)

Documentation to be attached mandatorily to application (failure to produce said documentation will result in exclusion).
The applicant is required to apply and submit on-line, under penalty of exclusion from admission, the following documentation:
- curriculum (to be produced following the guidelines attached to the call for candidatures and available on the University website: Attachment C”);
- an appropriate certification that includes an official academic transcript of the entire university course study, with a list of university exams and grades, the final grade of graduation of both the first and second level degrees, or the Vecchio Ordinamento degree or the equivalent university degrees for foreign students;
- research project (to be prepared as requested in the form available on the University website: Attachment E”);
- letters of presentation (not less than 2 and no more than 4).

Additional assessable qualifications
Additional assessable qualifications:
- publications (maximum 5).

Procedure for the selection process of candidates:
The admission exam consists of two exams: an entry test and an oral examination.
The entry test consists of the evaluation of the following:
- curriculum;
- publications (maximum 5);
- other scientific qualifications (qualifications on the curriculum that might be useful for the assessment of the curriculum, among which must mandatorily include appropriate certification regarding the grades received in the examinations in the entire university course study, including, the final grade of graduation of both the first and second level degrees, or the Vecchio Ordinamento degree, or the equivalent university degrees for foreign students);
- research project;
- presentation letters (not less than 2 and no more than 4).

The oral examination evaluates the candidate's predisposition for carrying out research in one of reference disciplinary sectors of the Ph D programme and the candidate's knowledge of the English language.

On request of the candidate and in the presence of adequate reasons, including the candidate's residence in a foreign country, the oral examination can also be done online. The procedure chosen must be specified by the candidate in the application form.

The oral examinations can also be in English upon explicit request of the candidate in the application form. In the application form, candidates must necessarily provide an e-mail address which will be used by the University to inform the candidate about his/her evaluation of qualification, and for those who have chosen the online oral examination, to receive instructions for the oral examination.

**Evaluation criteria of examinations:**

The Examination Committee can award a score of up to 60 points for both the preliminary selection and the oral examination. To be admitted to the oral examination, candidates must pass the preliminary selection with a score no lower than 40/60.

The sum of the scores awarded to the candidates for each of the two examinations determines the ranking of the candidate in the general merit list. Two separate rankings will be drawn up, one for full professors and the other for those who have a grant and are from foreign states.

**Exam Topics**

Exam topics cover the degree courses listed previously in "Qualification requisites for admission".

**Location of the Admission Test**

Area didattica di Ingegneria - Sala del Consiglio – Via G. Di Biasio, 43 - Cassino

**Examination Dates**

| Date and result of the entry test | 21 September 2017 |
| Date of the oral examination | 28 September 2017 |
| Location of oral examination | Area didattica di Ingegneria – Sala del Consiglio – Via G. Di Biasio, 43 - Cassino |
| Publication of final merit ranking lists | by 10 October 2017 |

**Information on teaching activities**