# ANNEX A

## PhD Program in ECONOMICS, MANAGEMENT AND QUANTITATIVE METHODS

<table>
<thead>
<tr>
<th>Department</th>
<th>Tuscia University – Department of Economics, Engineering, Society and Business Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partner Institutions</td>
<td>None</td>
</tr>
</tbody>
</table>
| Program duration | 3 years: 1st November 2021 – 31st October 2024  
Dissertation by May 2025 |

### Program objectives

The Program offers high level educational opportunities in the following subject areas: economics, business, and math-statistics. It focuses on key issues arising in modern economies: socio-environmental economic development, and transformation of the role of consumers, workers and markets as consequence of innovation and digital transformation.

The Program consists of 3 curricula: *Agri-food economics and policy* (economic analysis of agri-food system, its policies and interdependencies with other economy sectors and with local development in rural areas); *Circular, collaborative and sustainable economy* (study of models and processes related to the economy oriented to: recycle and reuse, sustainability, ethics, inclusiveness and sustainable behaviours); *Economics and governance of SME digital transformation* (analysis of economic scenarios with reference to digital transformation, new competences required – including big data – in support of decisional processes, quality control and marketing).

The three curricula are based on interdisciplinary educational activities on advanced economic and business theories, quantitative methods for data analysis and interpretation oriented to research projects and analysis of enterprise problems.

<table>
<thead>
<tr>
<th>No. of positions</th>
<th>Positions</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>With scholarship</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Reserved for Research Centre Employees (CREA-PB)</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Industrial doctorate positions reserved for employees of IDRA Research &amp; Consulting ltd (Albania)</td>
<td>1</td>
</tr>
</tbody>
</table>

### Curricula

**Curriculum** “Agri-Food Economics and Policy”  
no. 5 positions (no. 3 position with scholarship; no. 1 position reserved to CREA-PB researchers; no. 1 position reserved to employees of IDRA Research & Consulting ltd (Albania)).
<table>
<thead>
<tr>
<th>Positions with scholarship and/or reserved for research Centre employees</th>
<th>Curriculum “Circular, Collaborative and Sustainable Economy”</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>no. 2 positions (no. 1 position with scholarship, no. 1 position reserved to CREA-PB researchers).</td>
</tr>
<tr>
<td>Curriculum “Economics and Governance in the Digital Transformation of SMEs”</td>
<td>no. 1 position with scholarship</td>
</tr>
</tbody>
</table>
| Curriculum “Agri-Food Economics and Policy” | no. 1 scholarship co-financed by Tuscia University and DAFNE on Project PRIMA “Smarties”  
*Theme: The expected effects of the EU Green Deal on EU countries' agri-food systems and policies* |
| | no. 1 scholarship co-financed by Tuscia University and DEIM-Ferrero Spa agreement  
*Theme: The ecological balance sheet in agriculture: opportunities and constraints for the economic valorisation of environmental performance in the agri-food sector.* |
| | no. 1 scholarship co-financed by Tuscia University and DIBAF on H2020 Project “Lowinfood”  
*Theme: “Analysis of organisational innovations, based on stakeholders’ engagement, aimed at preventing and reducing food loss and waste throughout supply chains”.* |
| | no. 1 position reserved to CREA-PB researchers  
*Theme: Forms of integration and certification in the main sectors of the national agri-food system.* |
| | no. 1 position reserved to employees of IDRA Research & Consulting Ltd (Albania)  
*Theme: Impact assessment of agriculture and rural development support policies in the context of EU candidate country - the case of Albania.* |
| Curriculum “Circular, Collaborative and Sustainable Economy” | no. 1 scholarship co-financed by Tuscia University and Lazio Region-Directorate of Agriculture  
*Theme: Sustainability, certification and valorisation of agri-food products.* |
| | no. 1 position reserved to CREA-PB researchers  
*Theme: Enhancement of sustainable territorial development models through European rural development policies.* |
| Curriculum “Economy and Governance in the Digital Transformation of SMEs” |
- no. 1 scholarship financed by Tuscia University and DEIM/CINTEST on Project LIOO
  Theme: Digital innovation, traceability and product valorisation in the olive oil sector”.

### Admission requirements

Application to the public competition is open to all, regardless of age and citizenship, who, by the date this call expires, possess one of the qualifications listed hereunder:
- an Italian “laurea specialistica” obtained according to the Ministerial Decree n. 509/1999;
- an Italian “laurea magistrale” obtained according to the Ministerial Decree n. 270/2004;
- and Italian equivalent university degree obtained under Italian regulations previously in force and whose length is no less than 4 years;
- a foreign degree equivalent to those mentioned above.

Admission is also open to those who will finish their degree by October 31, 2021. In such cases admission will be “conditional”; the applicants will send by mail (dottorati@unitus.it) or hand out to the “Ufficio Offerta Formativa” a self-certification of the relative degree (a certification in case of Non-EU students). Self-certification (or certification in case of Non-EU students) should state the name of the awarding University, award date, grade and type of qualification (“vecchio ordinamento”, “Specialistica”/“magistrale”) and a copy of a valid identity document. Applicants not in possess of the admission requirements must indicate the date by which they expect to have obtained the qualification.

The candidate, together with the admission application, must indicate the curriculum for which he is applying and submit research project (max 8000 characters) on a topic of his/her interest, not necessarily linked to those indicated for scholarships, to be discussed in the oral exam.
| **Evaluation of candidates**  
| (Maximum score: 80/80) | **Evaluation of academic qualification**  
| Oral examination and verification of knowledge of English language | The evaluation of the academic qualifications is preliminary to the oral exam.  
The oral exam will be carried out in presence at the Department's rooms or, where appropriately justified, online. and will cover: a) the discussion of the research project submitted by the candidate; b) the verification of knowledge in the subjects of the curriculum chosen by the candidate; c) the discussion of the curriculum submitted by the candidate, aimed at assessing the motivation and aptitude for scientific research in the topic related to the doctorate.  
During the oral exam, knowledge of the foreign language (English) will also evaluated. The final ranking will be based on the sum of the scores reported in the evaluation of academic qualifications and oral exam.  
The score obtained by the candidates after the evaluation of academic qualifications will be posted to the bulletin board of DEIM at least one hour before the beginning of the oral exam. The overall results of the evaluation, with the partial and final scores, will be published in the “Didattica>Offerta post lauream>Dottorati di Ricerca” of the Tuscia University website ([www.unitus.it](http://www.unitus.it)). |
| **Evaluation of academic qualifications**  
| (Maximum score: 24/80) | Subject and contents of the Master’s Degree Thesis (or Single Cycle Degree Program): up to maximum of 6 points.  
University career (profit exams and graduation grade): up to a maximum of 6 points.  
Scientific publication on doctoral subjects: up to a maximum of 6 points.  
Professional experience and other qualifications held by candidate: up to a maximum of 6 points. |
| **Evaluation of examination tests** | Oral exam: maximum score 56/80.  
Minimum score, acquired in the evaluation of academic qualifications, to access the oral exam: 8/80. |
<table>
<thead>
<tr>
<th>Examination topics</th>
<th>Oral test</th>
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<tbody>
<tr>
<td>For the Curriculum “Economics and Agro-Food Policy”, the interview will focus on the verification of knowledge of the agro-food sector’s problems. The verification will also cover basic concepts in two of the following subjects chosen by the candidate: Economics, Economic Policy, Farm Economics and Management, Agri-Food Systems and Supply Chains, Agriculture and Economic Development, Economics and Policy of the Environment and Natural Resources, Policies for the Agri-Food sector, Bioeconomics, Economic Statistics/Econometrics.</td>
<td></td>
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</tbody>
</table>

For the Curriculum “Circular, Collaborative and Sustainable Economy”, the interview will focus on the verification of the candidate’s knowledge of the theme of circular economy, inclusive and sustainable in all its declinations and its implications for the economic and productive system and for the company. The verification will also cover notions and theoretical concepts of business administration and management, economics and economic policy. |

For the Curriculum “Economy and Government in the Digital Transformation of SMEs”, the interview will focus on verifying the candidate’s knowledge of the phenomenon of digital transformation and its implications for companies. The verification will also regard notions and theoretical concepts of business administration and management and business organization. |

| Exam date and locations | The oral exam will be held online. Date, time and link for the connection will be published after the closing of the call in the section www.unitus.it >Didattica >Offerta post lauream >Dottorati di Ricerca of the Tuscia University website) |

| Contacts for information | Prof. Alessandro Sorrentino e-mail: sorrenti@unitus.it  
Prof. Alessio Maria Braccini e-mail: abraccini@unitus.it  
Prof. Simone Severini e-mail: severini@unitus.it |