

| Ph.D. Program in Ecology and Sustainable Management of Environmental Resources | | | |
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| Coordinator | Prof.ssa ROBERTA CIMMARUTA | | |
| Department | Department of Ecological and Biological Sciences (EBS) | | |
| Partner Institutions | None | | |
| Program duration | 3 years: 1 st November 2017 – 31 th October 2020 Thesis Defence: within April 2021 | | |
| Program objectives | <p>The aim of the course is to train young people in the field of basic ecological research and apply sustainable use of natural resources, environmental management, eco-sustainable optimization of production processes and mitigation of human impacts on biodiversity at all its organizational levels. PhD students will acquire the skills needed to address the complex and multidimensional problems associated with research, management and conservation of nature and its resources. From a training point of view, specific objectives are: i) to provide the skills needed to operate in highly multidisciplinary scientific research areas with high degree of autonomy, originality and methodological rigor; (ii) encouraging the development of communication skills of research results and drafting competitive scientific projects. In line with these goals, compulsory didactic activities aimed at language proficiency, data analysis capabilities, and the ability to disseminate research results are provided. There multidisciplinary of the themes and research approaches developed by the members of the College of Teachers reflects the scope of the course, ranging from green chemistry and molecular genetics to the study of the role of eco-evolutionary processes in determining the structure and variations of space-temporal patterno of biodiversity also in relation to global change.</p> | | |
| No. of positions | Total positions | 10 | |
| | Positions with scholarships | 8 | |
| | Positions without scholarships | 2 | |
| Scholarships | <p>N. 1 scholarship funded by the Water Research Institute - CNR N. 1 scholarship funded by the Water Research Institute - CNR N. 1 scholarship funded by Dept. EBS and by University of Tuscia N. 1 scholarship funded by Dept. EBS and by University of Tuscia N. 1 scholarship funded by Dept. EBS and by University of Tuscia N. 1 scholarship funded by Dept. EBS and by University of Tuscia N. 1 scholarship funded by Institute for Coastal Marine Environment - CNR N. 1 scholarship funded by University of Tuscia</p> | | |
| Admission requirements | <p>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:</p> <ul style="list-style-type: none"> - 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. <p>Admission is also open to those who will finish their degree by October 31. 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</p> | | |

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| | <p>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.</p> |
| <p>Evaluation of candidates (maximum score: 80/80 points)</p> | <p>Evaluation of academic qualification, written and oral entrance examination English Language Knowledge</p> <p>The evaluation of candidates will be based on:</p> <ul style="list-style-type: none"> - an evaluation of academic ranking that will precede the written and oral exam; - a written essay; - an oral examination. <p>The results of the evaluation of academic ranking will be published on the Tuscia University web site (www.unitus.it) at the section “Didattica” (then see under “Dottorati di Ricerca”). The score obtained will be added to the score of the written and oral examinations to give the final total. The results will be published on the Tuscia University web site at the section “Didattica” (“Dottorati di Ricerca”).</p> <p>The written essay can be written either in Italian or in English.</p> <p>Together with the application form, candidates should present a research project concerning one of the topics of the Ph.D., with a maximum length of 3 pages, written in Italian or in English. The research project will be discussed during the oral exam.</p> <p>All the (non UK) applicants will take an English exam.</p> |
| <p>Evaluation of academic qualification (maximum score: 20/80 points)</p> | <ul style="list-style-type: none"> - Academic career (Certificate with the list of marks obtained during the academic career and final graduation): max score: 6 points - Scientific publications related to the topics of Ph.D.: max score 6 points - Participation in research projects: max score: 4 points - Professional experiences and other qualifications that the candidate considers useful: max score 4 points |
| <p>Evaluation of written and oral examinations (maximum score: 60/80 points)</p> | <p>Written exam: maximum score 30/80 points</p> <p>To gain access to the oral interview, candidates must have attained a minimum score of 21/80 points.</p> <p>Oral exam: maximum score 30/80 points</p> <p>Minimum score required to pass the oral interview 21/80 points</p> <p>Language for the examinations: Italian (Italian candidates, with a further English exam) or English (foreign candidates)</p> |
| <p>Examination topics</p> | <p>The written exam will consist of the preparation of a short essay on one of the following topics:</p> <ul style="list-style-type: none"> - Basic Ecology - Marine Ecology - Community Ecology - Molecular Ecology and Phylogeny - Ecology and Adaptation in Extreme Environments - Ecology of Microorganisms - Bioindicators - Management and conservation of exploited and endangered species - Sustainable management of marine and coastal environment - Environmental Hygiene - Parasitology - Ecotoxicology |

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| | <ul style="list-style-type: none"> - Mutagenesis and Carcinogenesis - Forest ecology - Green chemistry - Conservation of nature and biodiversity <p>The oral exam will focus on the discussion of the research project, as well as on the topics of the Ph.D. programme. It will be aimed to verify the candidate's aptitude for the scientific research, besides his/her knowledge in the field of Ecology.</p> |
| Exam dates | The exam will take place by the end of September. Exam dates will be published on the University website, page " <i>Didattica</i> " > " <i>Dottorati di Ricerca</i> "), not later than 30 days before the written examination |
| Contact to information | Referents of the Ph.D. Programme: Prof. ROBERTA CIMMARUTA (Coordinator) e-mail: cimmaruta@unitus.it Prof. GIUSEPPE NASCETTI e-mail: nascetti@unitus.it Prof. DANIELE CANESTRELLI e-mail: canestrelli@unitus.it Dr. FABRIZIO SCIALANCA e-mail: scialf@unitus.it |