Innovation and Land Use Management

PhD ILUM

SCIENTIFIC DIRECTOR:
Prof. Teresa de Noronha (FE/UALG)

DELEGATE DIRECTORS:
Prof. António Alhinho Covas (FE/UALG)
Prof. Thomas Panagopoulos (FCT/UALG)
Prof. Marielba Zacarías (FCT/UALG)
STUDIES PLAN

The PhD Programme in Innovation and Land Use Management has a scholar training with four trimesters. The first trimester will have 10 ECTS total, the second 15 ECTS, the third 15 ECTS and the fourth trimester 20 ECTS.

The doctoral seminars are offered by distinguished professors from networking universities, and they will promote the connection between PhD candidates and those universities. Such an international context as well as external cooperation will be re-enforced by the organization of a biennale international conference on one of the lectured themes.

The University of Algarve regulates the period necessary for PhD final thesis compilation.

Spatial Analysis
Definition of spatial economics and localization theories; The new economic geography; Spatial data as modelling tool and its uses for simulation, prevision and evaluation; Presentation of some models for special analyses and its utility.

Economics and Management of Innovation
The concept of innovation related with economic theory models; Relationship between innovation, knowledge, development and sustainability; Entrepreneurial strategy for innovation; Development of endogenous growth models focused on sustainability and environment; Innovation and policy strategies.

Research Methods
Thesis structure: chapter’s content. Purpose/Approach in a scientific investigation; Investigation strategy and methodology; Methods to collect and analyse data; Critical examination of literature - electronic tools to scientific information research; Quotations and bibliographical references.

Advanced Data Analysis I
Categorical Analysis, Structural Equation Models with Latent Variables and Biplot Methods. All the techniques will be exemplified with case studies using the software SPSS and Eviews.

European Structural Policies
The European policy – cycle; The European public policy typology; The European structural policy; The European economic government; The multi – level governance of the networking state.

Strategic Planning
Strategic planning systems; Investigation themes in entrepreneurial strategy; Presentations made by the students.

Leadership and Organizational Behaviour
Definition of leadership; Historical evolution of the leadership’s models in organizational behaviour; Transformational leadership; Coaching and personal development.

Advanced Data Analysis II
The STATIS procedure, Regression with Binary Dependent Variable and Models with Multinominal or Limited Dependent Variable. All the techniques will be exemplified with case studies using the software SPSS and Eviews.

Scientific and Technological Policy
Policy, evaluation and intervention instruments; Relationship between science and technology; Society innovation and structural change.

Research Project Management
Overview about financial context for investigation projects; Project content development and its adjustment to the investigation project; How to prepare an application to a project; Control techniques for the project financial and scientific execution; Partners tasks monitoring; Preparation of the reports; Results evaluation; Attendance after project.

Strategy and Performance Evaluation
Strategy and strategic management; Integrated systems of evaluation and management performance; Benchmarking processes.

Social Geography and Spatial Localization
A review on innovative behaviour and diffusion; Theories and models; Empirical studies and policies.

Regional Innovation Systems and Policy
Innovation and Regions; Innovation processes and policy context; Evaluation of innovation policy instruments; Design of regional innovation policies.

Networking and Knowledge Spillovers
Innovation and technological change; Innovation and networks; Knowledge creation, diffusion and spillovers.

Entrepreneurship and Industrial Development
Basic concepts of economy and industrial policy; Competition and regulation; Techniques for evaluation of economic activities and respective structures; Entrepreneurial behaviour at both technological and scientific levels; Entrepreneurship; Strategies and bottlenecks from the global world and the role of market as a regulator.

GIS in Organizations
National infrastructure of geographic information; Resources and technologies for data acquisition; Origins of spatial analysis in SIG; SIG projects planning and development.

Modelling and Spatial Analyses
Long detention; Geographical references; Geospatial data analysis; Spatial statistics; Introduction to mathematical and computational techniques for spatial analysis; Modelling of "spatio- temporal" processes; To use computational techniques to solve geographical problems.
## CURRICULAR STRUCTURE AND CREDITS DISTRIBUTION

### 1st Year (Option Economy)

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**PHD SECRETARIAT:**

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**Phone:** +351 289 800 915 (ext. 7759)  
**E-mail:** drebelo@ualg.pt  
**Website:** http://www.fe.ualg.pt/
Adão Flores  
PhD in Management, University of Algarve, he is Assistant Professor at the Faculty of Economics, University of Algarve. He coordinates several projects and courses in the area of Entrepreneurship.

António Alhinho Covas  
PhD in European Affairs, University of Brussels, he is Full Professor at the Faculty of Economics, University of Algarve. He authored several publications in the area of Rural and Agricultural Development and also in the area of European Policies. He is an Invited Professor at ISCTE and at the Faculty of Science and Technology of New University of Lisbon.

Bjørn T. Asheim  
PhD in Economics, University of Lund, he is Full Professor in Human Geography at that same University. He is co-founder and director of the Center for Innovation, Research and Competence in the Learning Economy (CIRCLE). He is also a Professor at the Center for Innovation and Work Life Research at the University of Agder and Visiting Professor at the Department of Geography at National University of Ireland. He is author and co-editor of multiple books and scientific publications in the area of Innovation Policy.

Carlos Farias Cândido  
PhD in Management, Sheffield Hallam University, School of Business and Finance, he is Assistant Professor at the Faculty of Economics, University of Algarve. He is the author of several publications in Strategic Management and Director of Master in Economics of Innovation and Entrepreneurship.

Efigéniou da Luz Rebelo  
PhD in Economics, specialized in Econometrics, School of Economics, University of Manchester, he is member of the Research Centre for Spatial and Organizational Dynamics and his publications are mainly in the field of Quantitative Methods Applied to Economics and Management. He is also Dean of the Faculty of Economics at the University of Algarve and the Director of the PhD Programme in Economic and Management Sciences.

Eric Vaz  
PhD in Information Management, New University of Lisbon, he is Assistant Professor at the Faculty of Economics, University of Algarve. He is also Group Leader and Senior Scientist at the department of Geography, Heidelberg University, and is visiting researcher at the Free University, and at the University of Huelva. He is author of several publications in GI Science and Urban and Regional Sustainable Development.

Eugênia Castela  
PhD holder in Statistics, University of Salamanca, and an expert on Multivariate Data Analysis, she is Assistant Professor at the Faculty of Economics, University of Algarve and member of the Research Centre for Spatial and Organizational Dynamics. The fields of research interest are areas with Data Analysis such as Management, Marketing, Tourism, Sociology and Political Science.

Eveline van Leeuwen  
PhD in Spatial Economics, Free University, she is Assistant Professor at the Department of Economics. Her research interests lie in combining existing operational methods, such as SAMs agent-based modelling, and microsimulation and adding (a stronger) spatial component to this framework. Apart from a strong research task, she also has various teaching activities.

Guilherme Andrade Castela  
PhD in Statistics, University of Salamanca, he is Assistant Professor at the Faculty of Economics, University of Algarve. He coordinates several projects and courses, also at the University of Salamanca.

João Albino Silva  
PhD in Economics, Technical University of Lisbon, he is a Full Professor of Economics, President of the Scientific Committee at the Faculty of Economics, University of Algarve and a member of the Research Centre for Spatial and Organizational Dynamics. He is the Director of the PhD Programme in Tourism and also the President of the National Commission for the Assessment of University Tourism Programs. His current research interests include Economics of Tourism, Regional Development and Tourism Destinations, Sustainability and Governance in Tourism.

João Pinto Guerreiro  
PhD in Economics, University of Algarve, he is Full Professor at the Faculty of Economics, University of Algarve. He is the author of several publications in the fields of Agricultural Economics and Regional Economics, Rural Development and Local Government. Presently he is Rector of this University.

Jorge da Silva Gomes  
PhD in Business Administration, Manchester Business School, he is Associate Professor at ISEG. He is also President and Founder of the Association for Economic and Social Development. He is author of several publications in Human Resources Management.

Jorge Miguel Andraz  
PhD in Economics, he is Assistant Aggregated Professor at the Faculty of Economics, University of Algarve and a member of the Centre for Advanced Studies in Management and Economics, University of Évora. He is also Director of the Master Course in Economics. He authored several books related to the macroeconomic effects of public investments, and several articles published in international journals in the area of applied econometrics focusing macroeconomic issues related to economic growth, the effects of public policies and tourism.

Manfred M. Fischer  
PhD in Human Geography, he is Full Professor at the Vienna University of Economics and Business. He is editor-in-chief of the Journal of Geographical Systems, and editor of Springer’s book series Advances in Spatial Science, and is recognized as one of the most influential authors and intellectual leaders in regional science. He is fellow of the Regional Science Association International, the Royal Netherlands Academy of Arts and Sciences, the International Eurasian Academy of Sciences, the World Academy of Arts and Sciences, and the Austrian Academy of Sciences.

Marisa Cesário  
PhD in Economics, University of Algarve, she is Assistant Professor at the Faculty of Economics, University of Algarve. She authored several articles in the area of Regional Economics and Technological Change. She is currently the Mobility Coordinator - outgoing students of the Faculty of Economics, University of Algarve.

Martin Anderssen  
PhD in Economics, Jönköping International Business School, he is Full Professor at the University of Lund. He has an extensive list of publications and a significant research, focused on Innovation, Trade and Location and their interplay.

Patricia Valle  
PhD in Quantitative Methods Applied to Economics and Management, University of Algarve, she is Assistant Professor at the Faculty of Economics, University of Algarve. She is author of several publications in the area of Tourism and Marketing using multivariate statistics and econometric models. She is also Director of the Master in Marketing at that same university.

Paulo Neto  
PhD in Economics, University of Évora, he is Assistant Professor at the University of Évora. He is author of several publications in the fields of Networks and Local Policy.

Peter Nijkamp  
PhD in Regional Economics, Erasmus University, he is Full Professor of Regional Economics and Economic Geography at the Free University. He is an advisor to government of the Netherlands, the European Commission, the World Bank, Academia Sinica, the OECD. He has a Doctor Honoris Causa from the Free University, Brussels, the National Technical University of Athens, and the Academy of Economic Studies of Bucharest. He is a winner of the Spinoza Prize, the European Prize in Regional Science, and Founder’s Medal of the Regional Science Association International.

Rui Baptista  
PhD in Economics, London Business School, he is Associate Professor at Technical University of Lisbon, Department of Engineering and Management. He has also a vast experience in the field of consultancy in Oxeira (UK) and has authored numerous scientific articles and books in the area of Innovation.

Sérgio Pereira dos Santos  
PhD in Management and Operational Research, University of Strathclyde, he is Assistant Professor at the Faculty of Economics, University of Algarve. He has authored several articles in the area of Organizational Performance Evaluation. He collaborates with ISCTE Business School in the PhD Programme in Business Administration.

Teresa de Noronha  
PhD in Economics, University of Algarve, she is Associate Professor at the Faculty of Economics, University of Algarve and Invited Professor at the University of Toronto. She authored and edited numerous scientific articles and books in the area of Regional Economics and Economics of Innovation. She is also the President of the Research Centre for Spatial and Organizational Dynamics (CIEO) and Director of the PhD Programme in Innovation and Land Use Management.

Thomas Panagopoulos  
PhD in Forestry and Natural Environment, Aristotle University of Thessaloniki, he is Assistant Professor at the Faculty of Sciences and Technology, University of Algarve. He is Vice President of the Research Centre for Spatial and Organizational Dynamics (CIEO). Coordinates several projects in the area of Recovery and Landscape Management and Landscape Architecture. He is also Director of the Master Degree in Landscape Architecture at that same institution.
SPECIFIC GOALS

» To form researchers able to promote a scientific development in the area of the spatial dynamics and organization, taking in consideration the creation of multidisciplinary knowledge related with innovation, sustainability and spatial organization;

» To transmit the most recent knowledge and best-practices in the area of strategic management, human resources and entrepreneurship;

» To stimulate innovation and the development of new processes and products with the help of planning processes and knowledge management;

» To intensify the general understanding of the economic activity and their ability to interact with the surrounding environment;

» To intensify training in methods and advanced techniques of spatial analysis;

» To benefit from the existing skills of CIEO (Research Centre for Spatial and Organizational Dynamics) and other affiliated centres and to spread the existent scientific knowledge, together with strategic management, human resources and entrepreneurship;

» To improve partnerships between universities and entrepreneurial platforms for apply research.

WHO CAN APPLY?

» The holder of a Master degree or of an equivalent qualification;

» The holder of any post graduate degree and a scientific curriculum revealing the required abilities to make the PhD Programme approved by the Scientific Council;

» The holder of a scholar, scientific or professional curriculum revealing the required abilities to make the PhD Programme approved by the Scientific Council;

» From the selection, the scientific and professional experience from previous works inside the scientific area of the Programme will be considered and also a final interview.

DEADLINE FOR APPLICATIONS
13TH JULY 2012

CONFERENCES

UNISCAPE http://www.uniscape.eu/
WSEAS http://www.wseas.org/
ISPIM http://www.ispim.org/
TECHNOPOLIS http://www.technopolis-group.com/site/
APDR http://www.apdr.pt/