

## COURSE OUTLINE

### 1. GENERAL

<b>SCHOOL</b>	Applied Economics and Social Sciences		
<b>DEPARTMENT</b>	Department of Regional and Economic Development		
<b>COURSE LEVEL</b>	Undergraduate		
<b>COURSE CODE</b>	6843	<b>SEMESTER</b>	8 <sup>th</sup>
<b>COURSE TITLE</b>	Spatial Planning		
<b>INDEPENDENT TEACHING ACTIVITIES</b> <i>where credit is awarded for discrete parts of the course e.g. lectures, laboratory exercises, etc. If credit is awarded for the whole course, indicate the weekly teaching hours and the total number of credits</i>	<b>WEEKLY TEACHING HOURS</b>	<b>TEACHING/CREDIT UNITS</b>	
Lectures	4	5	
<i>Add rows if necessary. The teaching organisation and the teaching methods used are described in detail in 4.</i>			
<b>TYPE OF COURSE</b> Background, General Knowledge, Scientific Area, Skills Development	scientific area course		
<b>PREREQUISITES:</b>			
<b>LANGUAGE OF TEACHING AND EXAMINATION:</b>	Hellenic (Greek)		
<b>THE COURSE IS OFFERED TO ERASMUS STUDENTS</b>			
<b>ELECTRONIC COURSE PAGE (URL)</b>			

## 2. LEARNING OUTCOMES

### Learning Outcomes

The learning outcomes of the course describe the specific knowledge, skills and competences of an appropriate level that students will acquire after successful completion of the course.

Consult Annex A

- Description of the Level of Learning Outcomes for each cycle of study according to the Qualifications Framework of the European Higher Education Area
- Descriptive indicators for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Annex B
- Comprehensive Guide to the Writing of Learning Outcomes

Upon completion of the course it is expected that students will be able to:

#### Knowledge

- Describe the fundamental concepts of spatial planning, urban design, regional development, and spatial analysis.
- Recognize the key trends and forces shaping the space.
- Understand the causes behind differential spatial dynamics and relationships.
- Comprehend how space influences the development potentials of spatial units and areas.

#### Competences

- Apply the rules of spatial planning and policies contributing to balanced development.
- Identify issues of spatial organization and design at urban, national, and regional levels.
- Analyze the dynamics of spatial phenomena, socio-economic parameters, operational frameworks, and design practices in Greece and internationally.
- Apply evaluation methods of spatial planning policies and strategies to real-world problems and spatial policy issues.

#### Skills

- Understand the necessity of strategic spatial planning as renewed public action and a social process of political coordination.
- Familiarize with applied cases of strategic spatial planning from Greece and around the world.
- Identify examples of spatial public policies approaching territorial cohesion at European, national, regional, and local levels.
- Manage the concept of spatial planning theoretically and practically within the context of managing spatial change and spatial governance.

### Generalskills

Taking into account the general competences that the graduate should have acquired (as listed in the Diploma Supplement and listed below), which one(s) does the course aim at?

Search, analysis and synthesis of data and information, including the use of the necessary technologies

Generating new research ideas Project planning and management

Respect for diversity and multiculturalism

Adaptation to new situations

Respect for the natural environment

Decision-making

Demonstrating social, professional and ethical responsibility and gender sensitivity

Autonomous work

Exercise of criticism and self-criticism

Group work

Promotion of free, creative and deductive thinking.

Working in an international environment

Working in an interdisciplinary environment

Decision-making

Generating new research ideas

Respect for the natural environment

Promotion of free, creative and deductive thinking

### 3. COURSE CONTENT

1. SPATIAL PLANNING AND URBAN DESIGN - CONCEPTUAL FRAMEWORK: Role and content of spatial planning, definitions of the subject of spatial planning and spatial organization, delineations of the field of spatial planning and urban design.
2. SPATIAL DEVELOPMENT - CONCEPTS AND APPROACHES: Objects of spatial development (concentrations, networks, flows), spatial units (physical, functional, political), theoretical approaches (for describing, interpreting, and predicting phenomena), evolutionary path of spatial development.
3. SPATIAL PLANNING IN GREECE: Spatial planning - national policy, national-level spatial planning - General Framework for Sustainable Spatial Planning (GFSSP), maritime spatial planning.
4. SPATIAL PLANNING IN GREECE: National-level spatial planning - Special Frameworks, Special Framework for aquaculture, tourism, industry, for Renewable Energy Sources (RES), reservation facilities.
5. REGIONAL AND SUB-REGIONAL SPATIAL PLANNING: Regional-level spatial planning, sub-regional spatial planning below the regional level, Residential Control Zones (RCZ), general guidelines for Areas of Particularly Regulated Urbanization (PERPU).
6. POLYCENTRICITY OF SETTLEMENT NETWORKS: Introduction, the concept of polycentricity, theoretical approaches, polycentricity in spatial policy, types of polycentric areas at urban and regional levels.
7. MODELING OF POLYCENTRIC AREAS: Graph theory and analysis of complex networks in spatial system modeling, centrality as a topological and geometric concept, centrality measures, degree centrality, betweenness centrality, closeness centrality, straightness centrality, and efficiency, eigenvector centrality.
8. TRANSPORT SYSTEMS AND SPATIAL PLANNING: Basic concepts, transportation and space, absolute, relative, and arbitrary obstacles, place and condition, spatial structure of transportation, transportation networks and geographic specialization, spatiotemporal convergence of transportation, transportation in the context of network science, network topology and geometry, absolute and relative distance, networks and spatial continuity, accessibility and connectivity, access and mobility, transportation network pillars and gates.
9. TRANSPORT NETWORKS AND SPATIAL PLANNING: Development of new connections in transportation networks, design and evaluation criteria in developing new connections based on topology, geometry, and operation of transportation networks.
10. TRANSPORT NETWORKS AND SPATIAL DEVELOPMENT: Interaction of transportation systems and land uses, movement by public and private means, functional hierarchy of transportation networks, transportation systems in the urban fabric, transportation systems at regional and national scales, transportation issues and strategic responses, alternative mobility networks.
11. ENVIRONMENT AND SUSTAINABLE DEVELOPMENT: The concept of sustainable development, historical overview, definitions in terms of time and space, the three components of sustainable development, issues, ecological footprint, urban metabolism, Human Development Index, climate change, impacts of climate change.
12. SPATIAL GOVERNANCE AND STRATEGIC SPATIAL PLANNING: Necessity and forms of spatial governance, the issue of multi-level spatial governance, administrative divisions, the Kapodistrias and Kallikratis programs in Greece, governance principles, content of strategic spatial planning, metropolitan governance, case studies.
13. SPATIAL PLANNING IN THE EUROPEAN UNION: Basic concepts, territorial cohesion, cohesion policies, structural funds, historical overview, Europe 2000 (1990) and Europe 2000+ (1994) reports, Community Spatial Development Plan (CSDP) (1999), polycentric spatial development and new urban-rural relationship, Territorial Agenda (2007), Green Paper on Territorial Cohesion (2008), and Territorial Agenda 2020 (2011), spatial planning and territorial cohesion as cross-border cooperation, Coastal and Maritime Spatial Planning.

#### 4. TEACHING and LEARNING METHODS - EVALUATION

<p><b>METHOD OF DELIVERY</b> Face-to-face, Distance learning, etc.</p>	Lectures and meetings with students	
<p><b>USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES</b> Use of ICT in Teaching, Laboratory Training, Communication with students</p>	Computer and interactive whiteboard will be used in the teaching. Communication with students will be on a personal level, also using e-mail	
<p><b>ORGANISATION OF TEACHING</b> The way and methods of teaching are described in detail. Lectures, Seminars, Laboratory Exercise, Field Exercise, Study &amp; Analysis of Literature, Tutorials, Practical (Placement), Clinical Exercise, Artistic Workshop, Interactive teaching, Educational visits, Study visits, Project work, Writing of work / assignments, Artistic creation, etc. The student's study hours for each learning activity as well as the hours of unguided study are indicated so that the total workload at semester level corresponds to the ECTS standards.</p>	<b>Activity</b>	<b>Semester Workload</b>
	Course deliveries	52hours
	Study of taught material	52hours
	Study and research of databases and additional work	21hours
	125 hours	
<p><b>STUDENT ASSESSMENT</b> Description of the evaluation process  Language of Assessment, Assessment Methods, Formative or Inferential, Multiple Choice Test, Short Answer Questions, Test Development Questions, Problem Solving, Written Work, Report, Oral Examination, Oral Examination, Public Presentation, Laboratory Work, Clinical Examination of a Patient, Artistic Interpretation, Other  Explicitly identified assessment criteria are stated and if and where they are accessible to students.</p>	Written exams at the end of the course	

#### 5. RECOMMENDED-LITERATURE

The basic literature that will be used is

Greek Literature

1. Γιαουτζή, Μ. και Στρατηγέα, Α. (2011) Χωροταξικός Σχεδιασμός, Αθήνα, Εκδόσεις Κριτική.
2. Αγγελίδης, Μ. (2000) Χωροταξικός Σχεδιασμός και Βιώσιμη Ανάπτυξη, Αθήνα, Εκδόσεις Σ. Αθανασόπουλος και Σία Ι.Κ.Ε.

3. Γιαννακούρου, Γ. (2008) Η χωροταξία στην Ευρωπαϊκή Ένωση, Αθήνα, Εκδόσεις Παπαζήση.
4. Ανδρικοπούλου, Ε., Γιαννακού, Α., Καυκαλάς, Γ. και Πιτσιάβα – Λατινοπούλου, Μ. (2014) Πόλη και Πολεοδομικές πρακτικές-Νέα αναθεωρημένη έκδοση, Αθήνα, Εκδόσεις Κριτική.

#### *International Literature*

1. Albrechts, L. (2004). Strategic (spatial) planning reexamined. *Environment and Planning B: Planning and design*, 31(5), 743-758.
2. Faludi, A. (2000). The performance of spatial planning. *Planning practice and Research*, 15(4), 299-318.
3. Albrechts, L., Healey, P., & Kunzmann, K. R. (2003). Strategic spatial planning and regional governance in Europe. *Journal of the American Planning Association*, 69(2), 113-129.
4. Foley, M. M., Halpern, B. S., Micheli, F., Armsby, M. H., Caldwell, M. R., Crain, C. M., ... & Carr, M. H. (2010). Guiding ecological principles for marine spatial planning. *Marine Policy*, 34(5), 955-966.
5. Allmendinger, P., & Haughton, G. (2010). Spatial planning, devolution, and new planning spaces. *Environment and Planning C: Government and Policy*, 28(5), 803-818.
6. Kunzmann, K. (2004). Culture, creativity and spatial planning. *Town planning review*, 75(4), 383-404.
7. Albrechts, L. (2006). Bridge the gap: From spatial planning to strategic projects. *European planning studies*, 14(10), 1487-1500.
8. Nadin, V., & Stead, D. (2008). European spatial planning systems, social models and learning. *DisP-the planning review*, 44(172), 35-47.
9. Friedmann, J. (2004). Strategic spatial planning and the longer range. *Planning Theory & Practice*, 5(1), 49-67.

#### *Suggested papers*

1. Μπεριάτος, Η., (2013) “Χωροταξικός σχεδιασμός και εδαφικές - διοικητικές δομές: Ζητήματα χωρικής διακυβέρνησης σε τοπική κλίμακα”, πρακτικά του 11<sup>ου</sup> Τακτικού επιστημονικού συνεδρίου “Αγροτική οικονομία, υπαίθρος χώρος, περιφερειακή και τοπική ανάπτυξη” (ERSA-GR), Πάτρα, 14 έως 15 Ιουνίου 2013.
2. Καυκαλάς Γ. (2004), *Ζητήματα Χωρικής Ανάπτυξης, Θεωρητικές προσεγγίσεις και πολιτικές*, Εκδόσεις Κριτική, Αθήνα.
3. Ε. Ανδρικοπούλου, Α. Γιαννακού, Γ. Καυκαλάς. Μ. Πιτσιάβα-Λατινοπούλου, (2007) *Πόλη και Πολεοδομικές Πρακτικές για τη βιώσιμη ανάπτυξη*, Εκδόσεις Κριτική.
4. *Ανοικτά Ακαδημαϊκά Μαθήματα ΑΠΘ*, Επιχειρησιακό Πρόγραμμα «Εκπαίδευση και Δια Βίου Μάθηση».
5. Γιαννακούρου Γ. (2008), *Η Χωροταξία στην Ευρωπαϊκή Ένωση: Εθνικές πολιτικές και ευρωπαϊκή διακυβέρνηση*, Εκδόσεις Παπαζήση, Αθήνα.
6. Καμχής Μ. (2007), *Η Ενοποίηση του Ευρωπαϊκού Χώρου 1986-2006: Ένα σχεδιαστικό εγχείρημα μεγάλης κλίμακας*, Εκδόσεις Κριτική, Αθήνα.

7. Υπουργείο Περιβάλλοντος και Ενέργειας, (2019) *Χωροταξία & Αστικό Περιβάλλον, Χωροταξία*, διαθέσιμο στη URL: [www.ypeka.gr/Default.aspx?tabid=228&language=el-GR](http://www.ypeka.gr/Default.aspx?tabid=228&language=el-GR).
8. Πολύζος, Σ., (2011) *Περιφερειακή Ανάπτυξη*, Αθήνα, Εκδόσεις Κριτική.
9. Πολύζος, Σ., (2015) *Αστική Ανάπτυξη*, Αθήνα, Εκδόσεις Κριτική.
10. Πετράκος Γ – Ψυχάρης Ι, (2016), *Περιφερειακή ανάπτυξη στην Ελλάδα*, Εκδόσεις Κριτική.
11. Martin, K. S., & Hall-Arber, M. (2008). The missing layer: Geo-technologies, communities, and implications for marine spatial planning. *Marine Policy*, 32(5), 779-786.
12. Reimer, M., Getimis, P., & Blotevogel, H. (2014). The evolution of spatial planning in Greece after the 1990s: Drivers, directions and agents of change. In *Spatial planning systems and practices in Europe* (pp. 169-188). Routledge.
13. Beriatos, E. (2004). Environmental policy and spatial planning in Greece. Institutional aspects. *Water, Air and Soil Pollution: Focus*, 4(4-5), 433-444.
14. Papageorgiou, M. (2017). Spatial planning in transition in Greece: a critical overview. *European Planning Studies*, 25(10), 1818-1833.
15. Reimer, M., Getimis, P., & Blotevogel, H. (2014). Spatial planning systems and practices in Europe: A comparative perspective. In *Spatial planning systems and practices in Europe* (pp. 21-40). Routledge.
16. Polyzos, S., & Sofios, S. (2008). Regional multipliers, Inequalities and Planning in Greece. *South Eastern Europe Journal of Economics*, 6(1), 75-100.
17. Rodrigue, J. P., Comtois, C., Slack, B., (2013) *The Geography of Transport Systems*, New York, Routledge Publications.
18. Salet, W., Thornley, A., & Kreukels, A. (2003). *Metropolitan governance and spatial planning*. London: Spon.
19. Wilson, E., & Piper, J. (2010). *Spatial planning and climate change*. Routledge.
20. Faludi, A. (2010). *Cohesion, coherence, cooperation: European spatial planning coming of age?*. Routledge.
21. Vaiou, D. (1997). *Facets of spatial development and planning in Greece*.

*Related scientific journals*

Environment and Planning A: Economy and Space (SAGE)  
 Environment and Planning B: Planning and design (SAGE)  
 Environment and Planning C: Government and Policy (SAGE)  
 Environment and Planning D: Society and Space (SAGE)  
 Landscape and Urban Planning (Elsevier)  
 European Journal of Spatial Development (Nordregio)  
 Urban, Planning, and Transport Research (Taylor and Francis)