





Module Handbook

M.Sc. SPRING



Version: 03/23/2023





- a: KNUST (Kwame Nkrumah University of Science and Technology) Ghana
- b: UP (University of the Philippines) The Philippines
- c: ARU (Ardhi University) Tanzania
- d: UACh (Universidad Austral de Chile) Chile
- e: UFABC (Universidade Federal do ABC) Brazil





Module 1: Planning Approaches and Key Skills for Planners

Study program: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies)

Frequency:	Duration:	When taught:	CP:	Time:
Every year (winter term)	1 semester	1. semester	8	240 h

1 Module structure

No.	Element / Course	Туре	СР	Contact hours
1	Spatial Planning in Germany incl. Excursions	L (M)	2	2
2	Human Dimensions in Planning	LE (M)	1	1
3	Presentation and Group Facilitation Techniques	E (M)	1	1
4	Academic Writing	E (M)	1	1
5	Academic Paper Design	E (M)	1	1
6	Module exam		2	

2 Language of tuition

English

3 Contents

This module contains a course providing a general overview on the planning system in Germany incl. several shorter excursions within the Ruhr region and introduces into essential soft skills relevant for practitioners and academics as well as cross-cutting issues of human dimensions in planning.

Spatial Planning in Germany

• Overview of the German planning system and supervised excursions to German planning institutions and case study sites

Human Dimensions in Planning

- Concepts of conflict management
- Gender as a cross-cutting issue
- Participation in planning processes

Presentation and Group Facilitation Techniques

- Introduction into moderation of meetings and group facilitation of participatory planning workshops
- Different presentation techniques with exercises

Academic Writing

- Writing for different target groups and different genres of text
- Exercises in structuring texts and in writing style with peer review

Academic Paper Design

• Research design and operationalization

E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
L	Lecture	SE	Seminar	P	Project/workshop





4	The students acquire the methodological, analytical and communicative abilities to capture the differences between the planning system in Germany and the country of origin identify a research problem and structure a scientific paper identify, select and analyze relevant data and literature write an academic paper according to scientific standards facilitate meetings and planning events in a result-oriented manner translate complex content into good presentations with suitable visualization adequately capture the gender and social dimensions of planning processes write well-structured and convincing texts for different target audiences			
5	Examinations Module exam (graded) 4 course attainments (not graded)			
6	Type of examinations Module examination: written exam related to Course attainments: active participation in e			
7	Prerequisites None			
8	Module type Mandatory module for M.Sc. SPRING			
9	Module representative Schramm	Responsible department TU Dortmund University, Department of Spatial Planning (09)		





Module 2: Master Project

Study program: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies)

Frequency:	Duration:	When taught:	CP:	Time:
Every year (summer term)	1 semester	2. semester	12	360 h

1 Module structure

No.	Element / Course	Туре	СР	Contact hours
1	Master Project	P (M)	10	8
2	Module Exam		2	

2 Language of tuition

English

3 Contents

In this module students co-design and conduct a research-based planning project based on the methods and tools taught in Module 1 and 4

- The students apply group-work related techniques (group facilitation, presentation and moderation)
- The subject refers to selected contents learned in module 3 and includes a comparative approach.
- The students learn in a cooperative way to handle complex spatial problems by scientific means within a given time frame and to highlight possible solutions.
- The focus on the theoretical-analytical and conceptual side of planning, taking up current issues of spatial research and spatial planning.

4 Competences

The students acquire the following methodological and communicative abilities:

- With its focus on problems, practice, processes and action within urban and regional planning the module fosters the self-motivated and independent work of students (research-based learning).
- The module focuses on the development of key competences such as communication, discussion and cooperation skills, consensus-building, as well as conflict management and project coordination.
- It enables the processing of theoretically and methodologically sophisticated questions as a basis for formulating propositions, concepts or recommendations relevant for planning practice.

5 Examinations

Module examination (graded)

1 course exercise (not graded)

6 Type of examinations

Module exam: final report incl. defense; course exercise: Exposé

7 Prerequisites

None

8 Module type

Mandatory module for M.Sc. SPRING

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E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
L	Lecture	SE	Seminar	P	Project/workshop





9	Module representative	Responsible department
	Schramm	TU Dortmund University,
		Department of Spatial Planning (09)





Module 3: Land, housing and infrastructure in a global perspective

Study program: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies)

Frequency:	Duration:	When taught:	CP:	Time:
Every year	2 semesters	1 2. semester	20	600 h

1 Module structure

No.	Element / Course	Type	СР	Contact hours
1	Environmental Management in Land Use Planning	SE (ME)	4	2
2	Climate Change and Risk Management	SE (ME)	4	2
3	Transport and Infrastructure	SE (ME)	4	2
4	Land Policy and Property Rights	SE (ME)	4	2
5	Housing	SE (ME)	4	2
6	Exam: Academic Paper	(M)	4	

2 Language of tuition

English

3 Contents

Students have to choose four out of five seminars.

This module includes aspects of urban and regional planning across the globe with a focus on the Global South, such as land management and property rights, housing and human settlement, infrastructure and transportation, as well as climate change and environmental management. In particular, the courses cover:

- Concepts and approaches for environmentally sound and sustainable land use in urban and rural areas,
- Analysis of housing needs and introduction into key housing policy instruments, with a focus on low-income residents,
- Governance, technological and spatial dimensions of infrastructure,
- Role of transport for urban and regional development, demand and supply analysis for different modes of transport; strategies and policies for transport provision,
- Climate change induced impacts and its ensuing challenges for planning with special attention to disaster resiliency and mitigation/adaptation strategies, Land policies and the ways they intervene in the allocation and distribution of land and related strategies.

Outcome: an independent but supervised academic paper focusing on urban and regional planning issues. The paper can also be taken as preparation for the M.Sc. thesis in the 4th semester.





4 Competences

The students acquire the ability to

- critically reflect on environmental management considerations in concepts of land use planning,
- assess environmental and natural resources issues and problems and identify appropriate interventions/management measures to ensure sustainability of natural resources,
- understand how different policy instruments impact scarcity of land and other spatial resources and develop strategies to use instruments in different contexts,
- appraise causes and effects of human and natural induced disasters and identify appropriate mitigation measures,
- understand housing as a matter that is more than physical or economic and take into account the ways that people experience housing every day,
- re-evaluate conventional housing approaches and policies and identify progressive solutions to current housing challenges,
- design solutions and intervention strategies in the fields of human settlements, including housing and transport.

Regarding the academic paper students acquire the methodological, analytical and communicative abilities to

- identify a research problem and structure a scientific paper,
- identify, select and analyze relevant literature and data as far as available,
- write an academic paper according to scientific standards,
- develop planning proposals against the background of the scientific discussion.

5 Examinations

Module exam (graded)

6 Type of examinations

Student academic paper with up to 60.000 characters including spaces

7 Prerequisites

None

8 Module type

Mandatory module for M.Sc. SPRING

9 Module representative

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Responsible department

TU Dortmund University,

Department of Spatial Planning (09)





Module 4: Planning Tools

Study program: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies)

Frequency:	Duration:	When taught:	CP:	Time:
Every year (winter term)	1 semester	1. semester	6	180 h

1 Module structure

No.	Element / Course	Туре	СР	Contact hours
1	Comparative Approaches for Planners (CAP)	E (M)	2	2
2	Partial Exam A		1	
3	Spatial Data Analysis and Mapping	E (M)	2	2
4	Partial Exam B		1	

2 Language of tuition English

3 Contents

This module explains methods and tools for planning research from analysis to proposition

- Selected approaches to data collection and analysis, including methodological preparation for Module 2.
- Different methods of, tactics for, and approaches to, comparison, e.g. of places, planning approaches, or situations.
- Methods or tools to establish a relation between critical, in-depth analysis and the formulation of concepts, recommendations or propositions for urban or regional planning or policies
- Identification of sub-topics within a given thematic frame as a basis for M2 (project)
- Methods of data generation, analysis and interpretation in the context of spatial planning (aerial photography, computer-based mapping)

4 Competences

The students acquire the methodological and communicative abilities to

- Know and apply comparative methods, tools and approaches
- Connect in-depth scientific analysis with the formulation of concepts, recommendations, or propositions for planning and policies
- Use appropriate programs for mapping and aerial photography to generate, analyze and present data in the form of maps to support spatial planning processes.

5 Examinations

2 partial exams (not graded)

6 Type of examinations

Partial Exam A: written assignment Partial Exam B: written assignment

7 Prerequisites

None

Abbreviations

E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
/	l ecture	SF	Seminar	P	Project/workshop





8	Module type Mandatory module for M.Sc. SPRING	
9	Module representative Thinh	Responsible department TU Dortmund University, Department of Spatial Planning (09)

E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
L	Lecture	SE	Seminar	P	Project/workshop





Module 5: Planning Theory and Governance

Study program: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies)

Frequency:	Duration:	When taught:	CP:	Time:
Every year (winter term)	1 semester	1. semester	7	210 h

1 Module structure

No.	Element / Course	Туре	СР	Contact hours
1	Planning Theories and Models	LS (M)	2	2
2	Urban Governance and Urban Transformation	LS (M)	2	2
3	Module exam		3	

2 Language of tuition

English

3 Contents

This module contains two courses introducing theories and concepts of spatial planning from a broad perspective.

Course contents are:

Planning Theories and Models:

- Postcolonial planning theories on the travel and adaptation of circulating planning theories and models
- Circulating planning models and planning theories and their place-specific appropriations

Urban Governance and Urban Transformation:

 Public and other forms of organizational and institutional structures for implementation of regional and urban policies and their linkages; tools for organizational analysis and change Paradigms of planning theories, theories of planning and decision-making processes.

4 Competences

The students acquire the ability to

- understand cross-cutting concepts of spatial planning and link them to thematic planning issues,
- assess the analytical strengths and limitations of the covered theories,
- understand the spatial and temporal relatedness of theories and models and what this means for their applicability in other places

5 Examinations

Module exam (graded)

6 Type of examinations

Oral examination

7 Prerequisites

none

Module type

Mandatory module for M.Sc. SPRING

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E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
/	l ecture	SF	Seminar	P	Project/workshop





9	Module representative	Responsible department
	Schramm	TU Dortmund University,
		Department of Spatial Planning (09)





Module 6: Socio-economic dimensions of urban and regional planning

Study program: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies)

Frequency:	Duration:	When taught:	CP:	Time:
Every year (summer term)	1 semester	2. semester	7	210 h

1 Module structure

No.	Element / Course	Туре	СР	Contact hours
1	Economic dimensions of urban and regional planning	LS (M)	2	2
2	Demography, society, planning – multi- dimensional understandings of structural urban and regional change	LS (M)	2	2
3	Module exam		3	

2 Language of tuition

English

3 Contents

This module covers essential socio-economic determinants urban and regional development. In particular the courses focus on:

- Analysis of theories and approaches to urban and regional economic development, leading to different policy prescriptions,
- Identification of macro and micro determinants of economic performance (e.g. from innovation and human capital to health as well as trade and institutions),
- Analysis of the manifold demographic, social and political-cultural transformations brought about by processes of structural change.

4 Competences

The students acquire the ability to

- Assess different and specific experiences of change and the implications for urban and regional planning from the Global North as well as the Global South.
- Conduct economic spatial analysis through the application of tools of analysis, as well as methods for data analysis and empirical studies
- Understand planning challenges and devise effective solutions from an economic perspective

5 Examinations

Module exam (graded)

6 Type of examinations

Oral examination

7 Prerequisites

none

8 Module type

Mandatory module for M.Sc. SPRING

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E	Exercise	LE	Lecture with exercise	М	Mandatory	
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective	
L	Lecture	SE	Seminar	P	Project/workshop	





9	Module representative	Responsible department
	Schramm	TU Dortmund University,
		Department of Spatial Planning (09)





Stu	dy prograr	n: M.Sc. SPRI	NG (Spatial Plai	nning for Regions i	n Growing E	conor	nies)	
	quency: ry year		Duration: 1 semester	When taught: 3. semester	CP:		Time 120 h	
1	Module	structure	1		l			
	No.	Element /	Course		Туре	СР		Contact hours
	1	Spatial St	atistics		L/E (M)	2		3
	2	Planning S Methodol	Surveys and Res	search	L/E (M)	2		3
2	Languag English	ge of tuition						
3	• 5	dule consists Statistical me	thods for planne	ring the following ers, operationalize participatory data	ation of rese			
5	• C • S f	dents acquire Conduct empi Select and ap or addressing Apply scientifi nanagement	rical research (f ply appropriate g problems and i c methods in de	ield work, data and statistical method ssues in urban an ecision-making, po	s and spatia d regional p	al anal lannin	ysis te g;	
J			s plus graded as	ssignment papers	for both cou	ırses (s	see bel	low).
6	Type of	examinations	3					
	Covering the entire module Relating to individual courses Course 1: assignment papers and written exam Course 2: assignment papers and written exam							
7	Prerequ Success		on of first year of	SPRING program				
8	Module Mandate		G and 2nd year I	master degree in k	Kumasi.			
9	Module	representati	ve	Kwame N	<mark>ble departr</mark> Ikrumah Un gy, Departm	iversit		

Abbreviations	
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E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
L	Lecture	SE	Seminar	P	Project/workshop





KNUST Ghana - Module 8a: Policy Planning and Implementation in Ghana

Study program: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies)

Frequency:	Duration:	When taught:	CP:	Time:
Every year	1 semester	3. semester	2	60 h

1 Module structure

No.	Element / Course	Туре	СР	Contact hours
1	Governance of Development	L/E (EL)	2	3
2	Political Economy of Development	L/E (EL)	2	3
3	Sociology of Development	L/E (EL)	2	3

2 Language of tuition

English

3 Contents

Students have to choose one out of three courses.

This module deals with institutional and practical issues of designing and implementing development policies in Ghana:

- Governance structures and institutional reforms associated with decentralization, legislative instruments, institutional collaboration, and governance.
- Development of lower-level planning structures, challenges of grassroots participation and empowerment, the role of planners in these processes.
- Course includes lectures by invited practitioners.

4 Competences

The students acquire the ability to

- Understand, assess and monitor the evolving institutional structures, formal and informal processes, operating dynamics as well as practical constraints and problems of a decentralized system;
- Assess the interests and capacities of various institutions and stakeholders in Ghana's planning system;
- Understand a planner's options for coordinating and managing the development process within a decentralized framework;
- Compare the Ghanaian planning system and experiences with other countries.

5 Examinations

Graded assignment papers plus graded written exam for both courses (see below).

6 Type of examinations

Covering the entire module	Relating to individual courses:
written assignment papers and oral	Course 1:
presentation	assignment papers and written exam
	Course 2:
	assignment papers and written exam

7 Prerequisites

Successful completion of first year of SPRING program.

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E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
L	Lecture	SE	Seminar	P	Project/workshop





8	Module type Mandatory for SPRING and 2nd year master degree in Kumasi.				
9	Module representative	Responsible department Kwame Nkrumah University of Science and Technology, Department of Planning			





KNUST Ghana - Module 9a: Development Planning Workshop

Study program: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies)

Frequency:	Duration:	When taught:	CP:	Time:
Every year	2 semester	3 4. semester	14	420 h

1 Module structure

No.	Element / Course	Туре	СР	Contact hours
1	Development Planning Workshop (3 rd semester)	L/E (M)	6	6
2	Development Planning Workshop (4 th semester)	L/E (M)	8	6

2 Language of tuition

English

3 Contents

This module builds on the first year's workshops that dealt with a simulated case study region. In the second year development workshop the students engage with a real world case study area, typically a district.

 Over the course of two semesters the students spend several weeks in the district for field studies (interviews, data collection etc.). Working in groups and guided by the workshop supervisor the students go through the typical planning processes and development issues, combining methods and knowledge of all previous SPRING courses.

4 Competences

The students acquire the ability to

- Generate and analyze empirical data for identifying problems and potentials;
- Conduct consultative meetings with key stakeholders of the study area;
- Develop a comprehensive development plan for the case study area;
- Design strategies and derive feasible projects;
- Disseminate and discuss the plan with key stakeholders;
- Engage in goal-oriented, interdisciplinary group work.

5 Examinations

The students produce a written report and corresponding charts and maps. In addition there are oral examinations (individual and as a group) for testing contents and methods employed in the workshop. All of these are graded.

6 Type of examinations

Covering the entire module a) Written report, chart and maps	Relating to individual courses
b) Oral examination	

7 Prerequisites

Successful completion of first year of SPRING program.

8 Module type

Mandatory for SPRING and 2nd year master degree in Kumasi.

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E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
L	Lecture	SE	Seminar	P	Project/workshop





9	Module representative	Responsible department
		Kwame Nkrumah University of Science and
		Technology, Department of Planning





Stuc	dv program	: M.Sc. SPRI	NG (Spatial Plar	nning fo	r Regions ir	n Grow	ving Ecor	nomies)	
Fred	<mark>juency:</mark> y year		Duration: 1 semester	Whei	n taught: mester		CP: 12	Time: 360 h	
1	Module s	tructure							
	No.	Element /	Course			Туре)	СР	Contact hours
	1	Master Th	esis			Indiv	vidual k (M)	6	
	2	Module Ex	kam: Master The	esis defe	ense			6	
2	Language English	e of tuition							
3	Contents The master thesis is an independent research work produced by each student individually, yet supervised by one lecturer. The thesis should deal with a real world problem, which is of relevance to a particular area, e.g. the district in which the development workshop takes place.								
4	 Competences The students acquire the ability to Define and operationalize a researchable topic; Identify and design appropriate research tools; Search and analyze relevant literature; Collect and analyze empirical data; Derive relevant findings and recommendations; Write a scientific report. 								
5	Examinations Written thesis assessed individually by several examiners, final mark determined by entire examination committee after oral defense; external examiner from one of the SPRING network partner universities present at thesis defense								
6	Type of e	xaminations	}						
	Covering the entire module a) Master Thesis b) Oral Examination Relating to individual courses								
7	Prerequisites Successful completion of first year of SPRING program.								
8	Module type Mandatory for SPRING and 2nd year master degree in Kumasi.								

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E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
L	Lecture	SE	Seminar	P	Project/workshop





UP Philippines - Module 7b: Planning and Research Methods Study program: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies) Duration: When taught: CP: Time: Frequency: 405 h Every year 1 semester 3. semester 13,5 Module structure Element / Course CP Contact No. Type hours 1 Land Use Planning L/E (M) 4.5 3 2 3 Research Methods in Planning L/E (M) 4.5 3 Planning Analysis and Techniques L/E (M) 4.5 3 Language of tuition English 3 Contents This module consists of three courses covering the following contents: Formulating the research design, quantitative and qualitative research methods for planners, analysis of spatial data, Primary and secondary data collection methods, conduct of participatory research, and tools and techniques of data analysis relevant to planning. 4 Competences The students acquire the ability to Conduct empirical research (field work, primary and secondary data analysis, report writing); • Select and apply appropriate statistical methods and spatial analysis techniques for addressing problems and issues in urban and regional planning; Apply scientific methods in decision-making, policy formulation, planning and management processes. 5 Examinations Graded written exams for Planning Analysis and Techniques. Graded research proposal and group survey for Research Methods in Planning. Graded land use plan output for Land Use Planning. Type of examinations 6 Covering the entire module Relating to individual courses: Course 1: and use plan formulation Course 2: individual research proposal, group survey Course 3: written exam 7 **Prerequisites** Successful completion of first year of SPRING program. 8 Module type

Abbreviations

Mandatory

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E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
L	Lecture	SE	Seminar	P	Project/workshop





9	Module representative	Responsible department
		University of the Philippines,
		School of Urban and Regional Planning





UP Philippines - Module 8b: Policy Planning and Implementation in the Philippines

Study program: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies)

Frequency:	Duration:	When taught:	CP:	Time:
Every year	1 semester	3. semester	13,5	405 h

No.	Element / Course	Туре	СР	Contact hours				
1	Planning Process	L/E (M)	4.5	3				
2	Special Problems in Urban Planning	L/E (M)	4.5	3				
3	Special Problems in Regional Planning	L/E (M)	4.5	3				

2 Language of tuition

English

3 Contents

This module deals with institutional and practical issues of designing and implementing development policies in the Philippines. It covers the system of development planning in the country, the Philippine planning process, the hierarchy of plans, and the formulation and implementation of the Comprehensive Development Plan and Comprehensive Land Use Plan, among others.

The module covers administrative and political structures as well as reforms associated with decentralization, legislative instruments, institutional collaboration, governance issues; in addition, major planning approaches and strategies for promoting national and sub-national growth and development are discussed.

4 Competences

The students acquire the ability to

- Understand, assess and monitor the evolving institutional structures and formal and informal planning processes;
- Assess the role, interests and capacities of various institutions and stakeholders in the Philippine planning system;
- Understand a planner's options for coordinating and managing the development process within a decentralized framework;
- Compare the Philippine planning system and experience with those of other countries.

5 Examinations

Graded written exams for Planning Process; written analytical papers for Special Problems in Urban Planning and in Special Problems in Regional Planning.

6 Type of examinations

Covering the entire module	Relating to individual courses:
	Course 1: written exams
	Course 2: written analytical papers
	Course 3: written analytical papers

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E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
L	Lecture	SE	Seminar	P	Project/workshop





7	Prerequisites Successful completion of first year of SPRING program.			
8	8 Module type Mandatory			
9	Module representative	Responsible department University of the Philippines, School of Urban and Regional Planning		





UP Philippines - Module 9b: Development Planning Workshop

Study program: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies)

Frequency:	Duration:	When taught:	CP:	Time:
Every year	2 semesters	34. semester	15	450 h

1 Module structure

No.	Element / Course	Туре	СР	Contact hours
1	Planning Workshop	L/E (M)	15	10

2 Language of tuition

English

3 Contents

This module builds on the first year's workshops that dealt with a simulated case study region. In the second year, the students engage with a real world case study/laboratory area.

Over the course of two semesters the students spend several weeks in the field study/area (conducting interviews, data collection, site observation, and consultation workshops). Collaborating in groups and guided by the workshop supervisor, the students go through the typical planning process and development issues, applying the methods and knowledge of all previous SPRING courses.

4 Competences

The students acquire the ability to

- Generate and analyze empirical data for identifying planning problems and solutions;
- Conduct consultative meetings with key stakeholders of the study area;
- Develop/formulate/update a relevant plan for the case study area;
- Design strategies and derive feasible projects;
- Disseminate and discuss the plan with key stakeholders;
- Engage in a goal-oriented, interdisciplinary group work.

5 Examinations

The students produce a plan addressing the stated needs of the workshop site. In addition there are oral examinations (individual and as a group) as well as an individual exam for testing contents and methods employed in the workshop. All of these examinations are graded.

6 Type of examinations

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c) Written exam	
b) Oral examinations	
a) Development plan or sector plan	5
Covering the entire module:	Relating to individual courses

7 Prerequisites

Successful completion of first year of SPRING program.

8 Module type

Mandatory

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E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
L	Lecture	SE	Seminar	P	Project/workshop





9	Module representative	Responsible department
		University of the Philippines,
		School of Urban and Regional Planning





UP Philippines - Module 10b: Master Thesis								
Stud	dy program	: M.Sc. SPRI	NG (Spatial	l Planr	ning for Region	s in Grov	wing Eco	nomies)
	Frequency: Every year Duration: 1 semester 4.					:	CP: 18	Time: 540 h
1	Module st	tructure						,
	No.	Element /	Course	Туре	9	СР		Contact hours
	1	Master's	hesis	Indiv	vidual work (M)	18		12 (with thesis supervisor)
2	Language English	of tuition						
3	Contents The master thesis is an independent research work produced by each student, and supervised by a thesis committee. It is expected that the thesis deals with a current spatial planning problem which is of relevance to the study area and which can contribute to its development.							
4	Competences The students acquire the ability to • Define and operationalize a reasonable topic; • Identify and design appropriate research tools; • Search and analyze relevant literature; • Collect and analyze empirical data; • Derive relevant findings and recommendations; • Write a thesis and defend it.							
5	Examinations Written thesis assessed individually by several examiners, final mark determined by the entire examination committee after oral defense; external examiner from one of the SPRING network partner universities present at thesis defense.							
6	Type of ex	kaminations	;					
	Covering t	the entire m	odule		Relatin	g to indi	vidual co	urses
7	Prerequisites Successful completion of first year of SPRING program.							
8	Module type Mandatory							
9	Module representative Responsible department University of the Philippines, School of Urban and Regional Planning							

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E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
L	Lecture	SE	Seminar	P	Project/workshop





ARU Tanzania - Module 7c: Planning and Research Methods

Study program: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies)

Frequency:	Duration:	When taught:	Credits:	Time:
Every year	1 semester	3. semester	8	240 h

1 Module structure

No.	Element / Course	Туре	Credits	Contact hours
1	Research Methods	L/E (M)	4	2.5
2	Planning and Management of Information Systems (GIS)	L/E (M)	4	2

2 Language of tuition

English

3 Contents

- Meaning and purpose of research and main steps in a research process including the role of research in planning practice, and
- Importance and use of GIS and the role that GIS plays in planning and management.

4 Competences

- Basic and applied skills in research design, execution, report writing and in principles of dissemination of research findings;
- Current research issues for Urban and Regional planners in developing countries;
- Social Science and Natural science research approaches,
- Deductive and inductive approaches to research;
- The extent to which policy makers use knowledge generated from research activities in the global south and what could be done about it;
- Nature of urban environmental information management
- Types of management, strategic planning, management control, operational control:
- Characteristics of environmental information;
- Quality attributes of environmental information, specification of user needs;
- Environmental mapping and monitoring;
- Application and examples of GIS and RS in urban planning and management

5 Examinations

There will be graded written examinations for all two courses (see below).

6 Type of examinations Covering the entire module Relating to individual courses: Course 1: written exam Course 2: written exam

7 Prerequisites

Successful completion of first year of SPRING program.

Abbieviations						
E	Exercise	LE	Lecture with exercise	М	Mandatory	
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective	
L	Lecture	SE	Seminar	P	Project/workshop	





8	Module type Mandatory	
9	Module representative Dr. Kazaura	Responsible department Ardhi University, School of Spatial Planning and Social Sciences (SSPSS)





ARU Tanzania - Module 8c: Urban Planning and Management in Tanzania

Study program: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies)

Frequency:	Duration:	When taught:	Credits:	Time:
Every year	1 semester	3. semester	10	300 h

1 Module structure

No.	Element / Course	Туре	СР	Contact hours
1	Urban Planning and Management Theories	L/E (M)	4	2
2	Professional Practice	L/E (M)	2	1,5
3	Urban Land Management and Development	L/E (EL)	4	2
4	Urban Housing Development and Management	L/E (EL)	4	2
5	Urban Infrastructure Planning and Management	L/E (EL)	4	2
6	Gender and Urban Development and Management	L/E (EL)	4	2

2 Language of tuition English

3 Contents

- Foundations, conceptual debates and contemporary discourses surrounding urban development planning and management.
- Issues and challenges of urban development in the global south.
- Necessary practical skills for planning and managing urban development.
- Sector issues in urban planning and management in the global south.

4 Competences

- Mastery of different approaches of urban development planning and management;
- Knowledge and skills on the practice of urban planning and management;
- Institutional and legal frameworks for urban and regional development planning and management;
- Public-private partnerships in municipal management and governance;
- Entrepreneurship;
- Managing and planning consultancy services;
- Professional ethics and codes of conduct in urban and regional development planning and management;
- Sustainable technical solutions to the problems of accessibility, flooding, solid waste management, water supply and poor sanitation, particularly in low-income (informal/unplanned) housing;
- Skills to develop efficient and effective policies and strategies to address the problems related to urban and peri-urban land development and management;
- Developing and strengthening skills in gender planning and gender mainstreaming.

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E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
L	Lecture	SE	Seminar	P	Project/workshop





5	Examinations There will be graded written exams related to individual courses. Only course 1 and 2 are mandatory. Out of the remaining 4 electives one course has to be taken.					
6	Type of examinations					
	Covering the entire module	Relating to individual courses				
7	Prerequisites Successful completion of first year of SPRING program.					
8	Module type Course 1 and 2: mandatory; Courses 3-5: sel	ect one out of four				
9	Module representative Prof. Aldo Lupala	Responsible department Ardhi University, School of Spatial Planning and Social Sciences (SSPSS)				





ARU Tanzania - Module 9c: Urban Planning and Management Workshop Study program: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies) When taught: Credits: Frequency: Duration: Time: Every year 2 semester 3. semester 8 240 h Module structure Element / Course CP Contact No. Type hours 1 Urban Planning and Management Studio P(M)8 5 2 Language of tuition English 3 Contents Preparation and implementation of an urban general planning scheme using strategic planning concepts Competences 4 Contextual and institutional issues for planning intervention; • Interest analysis and stakeholders capacity assessment; Sensitization of urban development stakeholders to participate in preparation and implementation of strategic urban development framework; Participatory rapid appraisal of urban developmental and environmental issues, preparation of Urban Environmental Profile; Citywide Consultative Meeting to identify critical issues; Formulation of Issue-Specific Working Groups to address critical issues; Preparation of Urban Strategic Development Plan; • Preparation of Implementation Strategies and Action Plans; Project write up for resource mobilization; Capacity building strategies for institutionalization. 5 **Examinations** The students produce a written report and corresponding charts and maps. In addition there are oral examinations (individual and as a group) as well as an individual exam for testing contents and methods employed in the workshop. 6 Type of examinations Covering the entire module: Relating to individual courses a) Written report, chart and maps b) Oral examinations (presentation) 7 Prerequisites Successful completion of first year of SPRING program. 8 Mandatory for SPRING and 2nd year master degree in Dar es Salaam 9 Module representative Responsible department Prof. Aldo Lupala Ardhi University, School of Spatial Planning and Social Sciences (SSPSS)

Abbrevi	intiona
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E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
L	Lecture	SE	Seminar	P	Project/workshop





ARU Tanzania - Module 10c: Master Thesis									
Study programme: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies)									
					Time 1020				
1	Module st	ructure							
	No.	Element /	Course		Type		СР		Contact hours
	1	Dissertation for module	on I and Tests/As e 8C	signments	L/E (M)		4		2
	2	Dissertati	on II		Individual (M)	work	30		0
2	Language English	of tuition							
3			ortunity to demor		-				
4	 Competences Determine appropriate planning topic for research; Acquire skills for design a research proposal and appropriate methodology for carrying out the research; Apply scientific research methods in carrying out independent research work; Masterly of writing and presentation skills. 								
5	Examinations Written thesis assessed individually by several examiners, final mark determined by entire examination committee after oral defense; external examiner from one of the SPRING network partner universities present at thesis defense.								
6	Type of ex	aminations	3						
	Covering t	he entire m	odule	Rela	ating to indiv	/idual	cours	es	
7	Prerequis Successfu		n of first year of S	SPRING pro	gram.				
8	Module ty Mandator	•	G and 2nd year m	aster degre	ee in Dar es 🤄	Salaar	n		
9			<mark>/e</mark> mbe-Mushi	Ard	ponsible de hi University Social Scier	, Scho	ol of S		l Planning

Abbreviations	
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E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
L	Lecture	SE	Seminar	P	Project/workshop





UACh Chile - Module 7d: Planning and Research Methods

Study programme: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies)

Frequency:	Duration:	When taught:	CP:	Time:
Every year	2 semesters	3 4. semester	5	150 h

Module structure

No.	Element / Course	Туре	СР	Contact hours
1	Qualitative Methods in Research	L/E (M)	2	1,5
2	Quantitative Methods in Research	L/E (M)	2	1,5
3	Geospatial Analysis in Planning	L/E (M)	1	0,5

2 Language of tuition English

3 Contents

This module consists of:

- (1) Acquisition of basic and applied skills in research design, execution, report writing and dissemination and communication of its results. Subject content includes: Inductive and deductive reasoning in research; Research design and execution; Quantitative Vs Qualitative research techniques; Statistical versus knowledge generalization; Developing a research proposal; Ethics in research; Data sources library work, sample surveys, questionnaire design, key informant and in-depth-interviews, focus group discussions; Report writing, formatting, and referencing skills; Essence of research; Research process and activities; Roles of research in urban and regional development planning and management; planning practice; Samples of research agenda in urban and regional development planning and management; Effective research approaches; Validity and reliability in research; Data collection principles; Presenting research results; Techniques for dissemination of research results.
- (2) Application of appropriate statistical methods and spatial analysis techniques for addressing problems and issues in urban and regional planning
- (3) Analysis of spatial data and GIS application. It will be very practical in orientation, especially oriented to the requirements of the Development Planning Workshop.





4 Competences

Students are able to:

- (1) Conduct empirical research (field work, data analysis, report writing)
- (1) Select and apply appropriate qualitative methods and content/discourse analysis for addressing problems and issues in urban and regional planning
- (1) Apply scientific methods in decision making, policy-formulation, planning and management processes.
- (2) Provide a logical framework for organizing, understanding and applying the concepts of analysis and interpretation of results.
- (2) Apply basic skills in problem solving
- (2) Use logical thinking and mathematical reasoning
- (2) Apply statistical methods in specific situations
- (3) Improve their knowledge of Geographic Information Systems (GIS). They learn to use GIS software and Global Positioning System (GPS) tools for environmental planning and management. They are able to produce thematic maps and relevant overlays for their field work region.
- (3) Manage and use critically statistic and cartographic information in different kinds of reference systems.
- (3) Identify and analyze geographical phenomenon and solve problems with help of GIS technology.

5	Examinations Graded assignment papers and graded written exam according 6.				
6	Type of examinations				
	Covering the entire module	Relating to individual courses Course 1: Assignment paper Course 2: written exam Course 3: written exam			
7	Prerequisites Successful completion of first year of SPRING program.				
8	Module type				

9	Module representative	Responsible department
		Universidad Austral de Chile, Facultad de
		Ciencias Económicas y Administrativas

Mandatory





UACh Chile - Module 8d: Environmental Management Policy and Economic Development Planning and Implementation in Latin America

Study program: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies)

Frequency:	Duration:	When taught:	CP:	Time:
Every year	2 semesters	34. semester	7	210 h

1	Module structure							
	No.	Element / Course			Type CP		Contact hours	
	1	Decentralized Development Planning in Chile			L/E (1	M) 2	2	
	2	Regional Planning and Environmental Management			L/E (1	M) 2	2	
	3	Theoretical Foundations of Development Planning			L/E (1	M) 1	1	
	4	Regional a	ics of	L/E (1	M) 2	2		
2	Language of tuition English							

E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
L	Lecture	SE	Seminar	P	Project/workshop





3 Contents

The module contains:

- (1) Institutional and practical issues of designing and implementing development policies in Chile and Latin America, as governance structures and institutional reforms associated with decentralization, legislative instruments and institutional collaboration.
- (2) Focus on environmental planning and management privileging an economic perspective. Relationships between regional planning and environmental management are developed and relevant public policies are touched in this connection. The particular problems of common pool resources are handled and the economic pressures on natural resources and vulnerable protected areas are analyzed in the context of sustainability criteria. Regional development in the context of globalization and the environmental problems related with global commons are introduced
- (3) Analysis of the limitations of conventional approaches to the problems of development and sustainability. Disciplinarity, interdisciplinarity and multidisciplinarity are discussed and confronted with key problems. Finally the transdisciplinary approach is offered as the best alternative. The foundations of a Transdisciplinary Economy are proposed, through the principles of Human Scale Development and biophysical indicators for sustainability.
- (4) A conceptual framework and methodological approaches to understand local dynamics influencing decision-making and participatory process of development planning at regional and local level. This course approaches development planning processes from an actor-oriented perspective which entails understanding the construction of the objects and strategies of intervention as embedded in specific socio-cultural contexts.

Seminar

SF





4 Competences

Students are able to:

- (1) Understand the importance of local capacities and institutional settings in decentralized development planning, as strategic factors in regional development.
- (1) Learn how to apply different instruments of planning and tools to design regional planning and development processes and design decentralized development programs based on endogenous potentials and regional identity.
- (2) Understand the theoretical economic framework for analyzing the regional and urban effects of land use change and the available normative instruments to intervene in these processes.
- (2) Learn to interpret the space under pressure and to analyze the changes in the land use patterns.
- (2) Understand the interactions between natural resources, integrated environmental management and sustainable regional planning.
- (2) Grasp the relevance of the global context for regional planning and development.
- (3) To learn the tools for a holistic vision and understand the development problems at the regional level, considering that the conventional approaches are limited and atomized.
- (4) Approach different theoretical perspectives to understand development processes at regional and local level.
- (4) Understand the main conceptual issues for understanding planned intervention from actor-oriented approaches.
- (4) Understand the construction of the objects and strategies of intervention as embedded in specific socio-cultural contexts.
- (4) Understand the importance of qualitative perspectives and research strategies to deal with the study of planned intervention at the local level.
- (4) Elaborate bottom—up interpretative frameworks that broaden the understanding of decentralization and include the intra-regional disparities and rural-urban dynamics.

5 Examinations

Graded assignment papers and graded written exam according 6.

6 Type of examinations

	Covering the entire module	Relating to individual courses Course 1: class participation and assignment paper Course 2: assignment paper Course 3: oral examination Course 4: individual and group reports		
7	Prerequisites Successful completion of first year of SPRIN	G program.		
8	Module type Mandatory			
9	Module representative	Responsible department		

Universidad Austral de Chile, Facultad de Ciencias Económicas y Administrativas

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E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
L	Lecture	SE	Seminar	P	Project/workshop





UACh Chile - Module 9d: Development Planning Workshop

Study program: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies)

Frequency:	Duration:	When taught:	CP:	Time:
Every year	2 semesters	3 4. semester	12	360 h

1 Module structure

No.	Element / Course	Type	СР	Contact hours
1	Development Planning Workshop	L/E (M)	12	12

2 Language of tuition English

3 Contents

In the second year development workshop, the students engage with a real world case study area, typically a district/province. Over the course of two semesters the students spend several weeks in the district for field studies (interviews, data collection, etc.). Working in groups and guided by the workshop supervisor the students go through the typical planning processes and development issues, combining methods and knowledge of all previous SPRING courses. The workshop will proceed in broad approximation to the ideal planning cycle and to the conceptual and strategic discussion on development directions.

4 Competences

Students will be able to:

- Analyze regional potentials and problems, existing institutional settings, social structure and participation, regional profile in regard to their planning capacities, process of applying public policies and their impact in regional and local level.
- Apply planning methods in the physical and social economic settings and identify problems and potentials as well as interest groups.
- Analyze land use conflicts, regulation problems, environmental problems and natural potential, local capacities and local network, factors of industrial location, institutional management quality, among others.
- Learn to formulate answer and design actions.
- Apply methods in objective setting, and forecasting demographic and economic development.
- Apply planning tools, methods and strategies such as scenario writing according to identified problems and potentials, the design and evaluation of intervention strategies, formulation of objectives, program formulation, priority setting, organization of decisions making process, sustainable development criteria and indicators.
- Translate a broad development concept into concrete action and projects.
- Elaborate project profiles and a plan of operations.

5 Examinations

The students produce a written report and corresponding charts and maps. In addition there are oral examinations (individual and as a group) for testing contents and methods employed in the workshop. All of these are graded.

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E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
L	Lecture	SE	Seminar	P	Project/workshop





6	Type of examinations				
	Covering the entire module: a) Written report, chart and maps b) Oral examinations Relating to individual courses				
7	Prerequisites Successful completion of first year of SPRING program.				
8	Module type Mandatory				
9	Module representative	Responsible department Universidad Austral de Chile, Facultad de Ciencias Económicas y Administrativas			





Stu	dy pro	gram: M.Sc. SPRI	NG (Spatial f	Plann	ing for Regions	in Grov	ving Ecor	nomies)
	quenc ry year		Duration: 1 semester	-	When taught: 4. semester		CP : 36	Time: 1080 h
1	Mod	lule structure						
	No.	Element / Cours	se	Туре		СР		Contact hours
	1	Master Thesis		Indiv	idual work (M)	36		0
2	Lang Engl	guage of tuition lish						
3	The his oppo		rest related t	to the	field workshop	areas.	The work	ree in relation with kshop will provide planning and
4	Competences Students will be able to: • Demonstrate that he or she is qualified to analyze and to prepare development programs in a systematic and integrated manner • Demonstrate how to handle a large amount of data and show how to draw conclusions and how to place them in a broader context							
5	Writ enti	minations ten thesis assess re examination co ING network part	mmittee afte	er ora	l defense; exter	nal exa	aminer fr	-
6	Туре	e of examinations	1					
Covering the entire module a) Submission of Final Draft of Thesis (Manuscript) b) Oral Examination (Thesis Defense)					urses			
7	Prerequisites Successful completion of first year of SPRING program.							
8	Module type Mandatory							
9	Mod	lule representativ	/e		Universion	dad Aus		t hile, Facultad de dministrativas

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E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
L	Lecture	SE	Seminar	P	Project/workshop





UFABC Brazil - Module 7e: Planning and Research Methods

Study program: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies)

Frequency:	Duration:	When taught:	CP:	Time:
Every year	1 trimester	1. Trimester at	12	360 h
		UFABC		

1 Module structure

L					
	No.	Element / Course	Type	СР	Contact hours
	1	Methods and techniques in territorial planning and management	LE/SE (M)	6	3
	2	Analytical perspectives on Public Policies	LE/SE (M)	6	3

2 Language of tuition English

3 Contents

This module consists of two courses covering the following contents:

- (1) Methods and techniques in territorial planning and management General overview on methods and techniques used in planning, such as comprehensive, communicative, strategic, etc., and on methods and techniques of data acquisition, representation and analysis of the territory, including quantitative, qualitative and spatial approaches.
- (2) Analytical perspectives on Public Policies
 Local and metropolitan political institutions of Brazil. Public policy and policy
 cycle: Agenda-setting, policy formulation, policy implementation, and policy
 evaluation. Policy networks and policy communities, advocacy coalitions,
 political participation, intragovernmental and intergovernmental coordination;
 Applications to the Brazilian local, metropolitan and regional contexts.

4 Competences

The students acquire the ability to

- To get to know, to evaluate and select conceptual and methodological approaches and techniques in accordance with the specificities of the research object, considering differences among policy issues and challenges for policymaking.
- To prepare and design research proposals and projects for empirical research (field work, data analysis, report writing);
- To select and apply appropriate statistical methods and spatial analysis techniques for addressing problems and issues in urban and regional planning;
- To apply scientific methods in decision-making, policy-formulation, planning and management processes.

5 Examinations

Graded written assignment papers and oral presentation of seminars, for both courses (see below)

	* *				
E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
L	Lecture	SE	Seminar	P	Project/workshop





6	Type of examinations				
	Course 1: Graded written assignment papers and oral presentation of seminars Course 2: Graded written assignment papers and oral presentation of seminars	Course 1: assignment papers and oral presentation Course 2: assignment papers and oral presentation			
7	Prerequisites Successful completion of first year of SPRING program.				
8	Module type Mandatory for SPRING and 2nd year master degree in São Bernardo do Campo/São Paulo.				
9	Module representative: Flávia Feitosa	Responsible Graduate Programs Territorial Management and Planning (course 1); Public Policies (course 2) Federal University of ABC, Department of Engineering, Modelling and Applied Social Sciences			





UFABC Brazil - Module 8e: Planning, governance and public policies for sustainability. Theory and its application for brazilian metropolitan regions.

Study program: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies)

Frequency:	Duration:	When taught:	CP:	Time:
Every year	1 trimester	2. trimester at	12	360 h
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				UI ADC				
1	1 Module structure							
	No.	Elemen	nt / Course		Тур	9	СР	Contact hours
	1	policies	ng, governance and s – theory and its a an metropolitan re	pplication in	LS (M)	6	3
	2	in the g econom Latin Aı	olitan sustainable lobal South: envir ny and social deve merican metropol on Brazil).	onment, lopment in	LS (M)	6	3
2	Languag	e of tuiti	on					

2	Language of tuition English





3 Contents

This module is aimed at providing a broad overview of the conceptual debates on the relations between planning, governance and public policies and urban and regional sustainable development. Moreover, the module introduces students to the specificities of these debates in Brazil. The module is divided into two courses:

- 1) Planning, governance and public policies theories and their application in Brazilian metropolitan regions
 - Key dimensions of contemporary planning debates: historical origins; justifications behind planning; the socio-economic and political limits to planning; planning styles and cultures; planning processes and products; new challenges in the XXI century;
 - Regional development planning and policies key theories and narratives;
 evolution of debates and effective practice;
 - Urban planning, governance and reform (including the dilemma of metropolitan governance);
 - Governance evolution of a concept and its assimilation in the Brazilian context: potentials and limits;
 - State restructuring, rescaling and transformations towards multilevel governance;
 - The State, public institutions and Public Policy-Making;
 - Local/regional democracy: Brazilian experiences in public participation;
- 2) Metropolitan sustainable development in the global South: environment, economy and social development in Latin American metropolitan areas (with a focus on Brazil).
 - Concepts of sustainability and sustainable development;
 - Meanings and understandings of environmental, economic and social conditions for metropolitan development and planning – a Global South perspective;
 - Environment, economy and social development in Latin American metropolitan areas;
 - The Metropolitan Question in Brazil and the challenge of sustainability;
 - The praxis of metropolitan planning and sustainability: from centralized to decentralized and insurgent planning in the Global South;
 - Metropolitan challenges related to sustainable development in Brazil;
 - Sustainability and Climate Change under a neoliberal context: the impact on regional and metropolitan planning and governance practices in Brazil.

4 Competences

The students acquire the ability

- to comprehend the broader theoretical debates on sustainable development, planning, governance and public policies and its implications for state territorial organization and intervention;
- to situate these debates in the context of geographical and historical specificities of the urban and regional development trajectories in Brazil;
- to build up a basic understanding of the institutional dimensions of Brazilian multi-level governance, urban and development planning and public policies that enable effective work on master's dissertations;
- to learn from the Global South sustainable perspectives and practices in urban and regional planning.

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E	Exercise	LE	Lecture with exercise	M	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
/	l ecture	SF	Seminar	P	Project/workshop





5	Examinations Graded written assignment papers and oral presentation of seminars, for both courses.				
6	Type of examinations				
Assignment papers and oral seminar presentations Relating to individual courses: Same type of examinations for bo courses.					
7	Prerequisites Successful completion of first year of SPRING program.				
8	Module type Mandatory for SPRING and 2nd year master	degree at UFABC.			
9					





UFABC Brazil - Module 9e: Workshop on sustainable urban and regional development

Study program: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies)

Frequency:	Duration:	When taught:	CP:	Time:
Every year	3 trimesters	1 - 3. trimester	18	540 h

1 Module structure

٠.	Wodate Structure						
	No.	Element / Course	Type	СР	Contact hours		
	1	Planning, governance and public policy for sustainable urban agglomerations - Research at UFABC (1. Trimester)	LE (M)	6	2		
	2	Preparation and Empirical Research/Project (2. Trimester)	LE (M)	6	2		
	3	Empirical Research and Presentations of results (3. Trimester)	LE/SE (M)	6	2		

2 Language of tuition English

3 Contents

This module builds on the first year's workshop that dealt with a simulated case study region. In the second-year development workshop the students engage with a real-world case related to ongoing research projects at both graduate programs, Territorial Management and Planning or Public Policies. During the three trimesters the following activities will take place;

- Presentation of ongoing research projects at UFABC selection of research project in which the students want to develop their empirical research
- Familiarization with the selected research project: participation in research group meetings, field research, laboratories; identification of proper research object; research design and proposal in direct interaction with Module 7e.
- Conduction of empirical collective research, preferably involving groups of students from SPRING and UFABC graduate programs.
- Joint presentation of the main results and joint Research Report writing Over the course of three trimesters there will be held meetings of the whole batch of students, guided by the workshop supervisor, where the students obtain methodological inputs for their research, present the progress of their research work and exchange their experiences. However, most of the time they are working on their own research projects in the field within their specific research group. The student's projects should be developed in collaboration or interaction with planners and practitioners from municipalities, regional planning agencies or non-governmental organizations. This course will be tightly related to Module 10e, as the expectation is that these research activities already provide the fundamentals for the final master thesis. Moreover, the field studies (involving interviews, data collection etc.) will provide the students with an important empirical experience about how planning and public policy processes are run in Brazil, relying on the methods and knowledge acquired in the previous SPRING courses in Dortmund and Santo André/São Bernardo do Campo.

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E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
L	Lecture	SE	Seminar	P	Project/workshop





4 Competences

The students acquire the ability to

- collaborate in ongoing research projects;
- jointly generate and analyze empirical data for identifying problems and potentials;
- conduct consultative meetings with key stakeholders of the study area;
- jointly design strategies and derive feasible projects;
- disseminate and discuss the plans and policies with key stakeholders;
- engage in goal-oriented, interdisciplinary teamwork.

5 Examinations

The students produce a written report on their research activities and corresponding results. In addition, there are oral examinations and presentations (individual and as a group) for testing contents and methods employed in the workshop. All of these are graded.

6 Type of examinations

Covering the entire module

- a) Written report
- b) Oral examination/presentation

7 Prerequisites

Successful completion of first year of SPRING program.

8 | Module type

Mandatory for SPRING and 2nd year master degree at UFABC.

9 Module representative:

Sandra Momm

Responsible Graduate Programs

Public Policies and Territorial Management and Planning

Federal University of ABC, Department of Engineering, Modelling and Applied Social Sciences





UFABC Brazil - Module 10e: Master Thesis

Study program: M.Sc. SPRING (Spatial Planning for Regions in Growing Economies)

Frequency:Duration:When taught:CP:Time:Every year2 trimesters2. and 3. trimester18540 h

1 Module structure

No.	Element / Course	Туре	СР	Contact hours
1	Master Thesis	Individual work (M)	12	
2	Module Exam: Master Thesis defense		6	

2 | Language of tuition

English

3 Contents

The master thesis is an independent research work produced by each student individually, yet supervised by one lecturer, eventually with support of a co-advisor. The thesis should deal with a real-world problem considering theoretical and methodological knowledge acquired during the two-year master program. Moreover, the thesis should preferably be concerned with the activities developed during the Workshop on Sustainable Urban and Regional Development (Module 10a), also being possible comparative international studies with cities in Germany or in the student's home country.

4 Competences

The students acquire the ability to

- define and operationalize a researchable topic;
- identify and design appropriate research tools;
- search and analyze relevant literature;
- collect and analyze empirical data;
- derive relevant findings and recommendations;
- write a scientific thesis.

5 Examinations

Written thesis assessed individually by at least three examiners; final mark determined by entire examination committee after oral defense; external examiner from one of the SPRING network partner universities present at thesis defense.

6 Type of examinations

Covering the entire module

- a) Master Thesis
- b) Oral Examination

7 Prerequisites

Successful completion of first year of SPRING program and of at least modules 7e and 8e of the 2nd year at UFABC.

8 Module type

Mandatory for SPRING and 2nd year master degree at UFABC.

E	Exercise	LE	Lecture with exercise	М	Mandatory
EL	Elective	LS	Lecture with seminar	ME	Mandatory elective
/	l ecture	SF	Seminar	P	Project/workshop





9	Module representative:	Responsible Graduate Programs
	Klaus Frey	Public Policies (course 1); Territorial
		Management and Planning (course 2)
		Federal University of ABC, Department of
		Engineering, Modelling and Applied Social
		Sciences