

Title of the module: M1 Theoretical Foundations of Integrated Urban Management		Credits (according to ECTS): 10
Responsible for the module: Prof. Dr.Eng. Philipp Misselwitz	Office: A53	E-mail: franziska.berger@tu-berlin.de

Module Description

1. Qualification Objectives

After the successful completion of this module, students shall have a common knowledge base suitable for the interdisciplinary discourse that serves as a foundation for dealing with the issues that cut across the whole field of urban development. Students shall be capable of naming essential aspects of urban development, placing them in relation to one another, and evaluating their relevance for cities in special development situations.

2. Contents

The following thematic priorities are taken as starting points for the conveyance of the interdisciplinary knowledge:

Unit 1 Introduction: Urbanization Trends and Critical Urban Studies: historical and contemporary patterns of urbanization and their regional characteristics; influences of globalization; demographic, spatial and planning-related aspects in the development of metropolises and megacities, such as informality in the settlement development, urban poverty and the tendencies of the urban culture towards segmentation

Unit 2 Urban Governance and Planning: administrative and institutional aspects of local self-administration; informality; self-help and self-organization; the role of NGOs and CBOs; the relationship between state and municipality; stakeholder concepts, and principles of good governance and socially oriented urban planning; participation, history and theory of planning; approaches and methods of planning; basics of controlling urban development processes

Unit 3 Sustainable Urban Systems: economic and social sustainability; the role of local economies in sustainable urban development; value chains; regulation and funding of urban infrastructure, social services and living space; maintenance and urban renewal

3. Module Components

Course title	Type of course	Course hours / week	Credits	R/E/O*	WS/SS**
1.1 Introduction: Urbanization Trends and Critical Urban Studies	L	2	3	R	WS
1.2 Urban Governance and Planning	IC	3	4	R	WS
1.3 Sustainable Urban Systems	IC	2	3	R	WS

* R: required / E: elective / O: optional

** WS: winter semester / SS: summer semester

4. Description of Course Types and Forms of Learning

The module consists of a lecture (1.1) and additional integrated courses. The latter consist of exercise units and lectures or input units given by the lecturers. Exercises are done individually and in group work. The work in small groups takes place as part of the courses and is accompanied by consultations; interim and final results are presented and discussed.

5. Prerequisites for Participation

Admission to the program

6. Applicability

Only as part of this post-graduate program

7. Amount of Work and Credits

Contact time: 105 hours (hrs)

L Introduction: Urbanization Trends and Critical Urban Studies: 2 course hours / week x 15 weeks = 30 hrs

IC Urban Governance and Planning: 3 course hours / week x 15 weeks = 45 hrs

IC Sustainable Urban Systems: 2 course hours / week x 15 weeks = 30 hrs

Self-study (including examination and preparation for the examination): 195 hrs

The total work amount of 300 hrs is equivalent to **10 credits** (with 30 hrs of work = 1 credit)

8 Examination and Grading of the Module

Portfolio examination, graded

- written exam element (e.g. test) as part of L Introduction: Urbanization Trends and Critical Urban Studies (maximum of 30 points)
- written and/or oral exam element (e.g. presentation and written report) as part of IC Urban Governance and Planning (maximum of 40 points)
- written and/or oral exam element (e.g. presentation and written report) as part of IC Sustainable Urban Systems (maximum of 30 points)

9. Duration of the Module

The module may be completed within one semester.

10. Number of Participants

11. Enrollment Formalities

None

12. Suggested Reading List, Handouts

Suggested reading lists will be provided during the courses.

13. Other

Students are expected to participate actively and regularly in the module courses (they must not be absent for more than 20% of each course).

Title of the module: M2 Urban Management Case Studies		Credits (according to ECTS): 8
Responsible for the module: Prof. Dr.Eng. Philipp Misselwitz	Office: A53	E-mail: franziska.berger@tu-berlin.de

Module Description

1. Qualification Objectives

Through project case studies students shall become acquainted with sectoral, and subject-specific, methods of analysis for both concrete empirical phenomena and the relevant parameters for characterizing a specific presentation of problems and rendering methodically justified evaluations in the intercultural comparison of the processes and problems of urban development. After the successful completion of the module, students shall be able to

- assess empirical interrelations between problems in a differentiated manner,
- recognize the transferability of a particular case to other comparable situations or cases,
- compare the particularities of a specific case with the structural characteristics of a problem's fundamental presentation,
- and apply the acquired knowledge and skills in systematic analyses.

2. Contents

In reference to the contents of Module 1, these methodical and analytical approaches are conveyed through the analysis of case studies on urban development processes and problems from Germany and abroad, and through guiding students in the execution of their own case studies.

Unit 1 Project Case Studies from Foreign Countries and Germany: project case studies from Germany and abroad

Unit 2 City Profiles on Participants' Home Countries and Regions: dealing with city profiles from the students' native regions

3. Module Components

Course title	Type of course	Course hours / week	Credits	R/E/O*	WS/SS**
2.1 Project Case Studies from Foreign Countries and Germany	IC	2	3	R	WS
2.2 City Profiles on Participants' Home Countries and Regions	SE	4	5	R	WS

* R: required / E: elective / O: optional

** WS: winter semester / SS: summer semester

4. Description of Course Types and Forms of Learning

The module consists of an integrated course and a seminar. The module component Project Case Studies from Foreign Countries and Germany is conceptualized as an integrated course and consists of exercise units and lectures or input units given by the lecturers. In this context, contributors from different typical examples of city-related projects are invited to discuss their experiences with the students. In the module component City Profiles on Participants' Home Countries and Regions the students do exercises, both individually and in groups. The work in small groups takes place as part of the courses and is accompanied by consultations; interim and final results are presented and discussed. The seminar includes contributions by the students.

5. Prerequisites for Participation

Admission to the program

6. Applicability

Only as part of this post-graduate program

7. Amount of Work and Credits

Contact time: 90 hrs

IC Project Case Studies from Foreign Countries and Germany: 2 course hours / week x 15 weeks = 30 hrs

SE City Profiles on Participants' Home Countries and Regions: 4 course hours / week x 15 weeks = 60 hrs

Self-study (including examination and preparation for the examination): 150 hrs

The total work amount of 240 hrs is equivalent to **8 credits** (with 30 hrs of work = 1 credit)

8. Examination and Grading of the Module

Portfolio examination, graded

- written exam element (e.g. written summaries) as part of IC Project Case Studies from Foreign Countries and Germany (maximum of 40 points)
- practical performance (e.g. graded presentations including written report) as part of the seminar City Profiles on Participants' Home Countries and Regions (maximum of 60 points)

A minimum of 50 out of 100 points is necessary to pass the module.

9. Duration of the Module

The module may be completed within one semester.

10. Number of Participants

11. Enrollment Formalities

None

12. Suggested Reading List, Handouts

13. Other

Students are expected to participate actively and regularly in the module courses (they must not be absent for more than 20% of each course).

Title of the module: M3 Urban Research Methods and Language Education		Credits (according to ECTS): 6
Responsible for the module: Dr. Bettina Hamann	Office: HBS5	E-mail: bettina.hamann@tu-berlin.de

Module Description

1. Qualification Objectives

After the successful completion of Module 3.1, students shall know how to plan and write academic papers.

Partial Module 3.2 Language Education is aimed at promoting students' foreign-language skills as well as their communicative and intercultural competence.

2. Contents

Unit 1 Urban Research Methods and Academic Paper Writing: By attending the module component Urban Research Methods and Academic Paper Writing, and taking current research projects as examples, students shall learn how to integrate questions, methods and theories in planned research projects. By means of self-study they shall deepen their knowledge of the formal and content-related requirements of academic works, as well as of the criteria of scientificity and the relation between theory and empiricism. Based on this knowledge, and under guidance, students shall conceptualize and plan their academic papers.

Unit 2 Language Education: German (or other language): In the course German as a Foreign Language foreign students shall acquire first and foremost the skills necessary in order to communicate in, and cope with, their everyday lives in Germany. Students with German as their native language are to learn a foreign language of their choice in order to expand their communicative and intercultural skills; the level they reach in this foreign language will depend on whether students can build on their knowledge of a language they have already acquired or whether they start learning a language that is completely new to them.

3. Module Components

Course title	Type of course	Course hours / week	Credits	R/E/O*	WS/SS**
3.1. Urban Research Methods and Academic Paper Writing	IC	2	2	R	WS
3.2 Language Education: German (or other language)	T	4	4	R	WS

* R: required / E: elective / O: optional
 ** WS: winter semester / SS: summer semester

4. Description of Course Types and Forms of Learning

The module consists of an integrated course (Urban Research Methods and Academic Paper Writing) and a tutorial (Language Education). As part of Module 3.1, different forms of academic working strategies, methods and data analysis are presented and tried out together with the students. Advice is offered on how to minimize problems with writing academic papers. In Module 3.2 written and oral language exercises are carried out, both individually and in groups.

5. Prerequisites for Participation

Admission to the program

6. Applicability

Only as part of this post-graduate program
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7. Amount of Work and Credits

Contact time: 90 hrs

Urban Research Methods and Academic Paper Writing: 2 course hours / week x 15 weeks = 30 hrs
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Language Education: 4 course hours / week x 15 weeks = 60 hrs

Self-study (including examination and preparation for the examination): 90 hrs

The total work amount of 180 hrs is equivalent to 6 credits (with 30 hrs of work = 1 credit)

8. Examination and Grading of the Module

Portfolio examination, ungraded (passed/failed)
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| <ul style="list-style-type: none">- written and oral exam element (constant contributions to the collective work process in the seminar sessions: e.g. active participation in discussions and group work) as part of IC Research Methods and Academic Paper Writing (maximum of 30 points)- practical performance and final examination as part of the Language Education seminar (maximum of 70 points) |
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A minimum of 50 out of 100 points is necessary to pass the module.
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9. Duration of the Module

The module may be completed within one semester.
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10. Number of Participants

11. Enrollment Formalities

None

12. Suggested Reading List, Handouts

13. Other

Students are expected to participate actively and regularly in the module courses (they must not be absent for more than 20% of each course).

Title of the module: M4 Core Areas of Urban Management		Credits (according to ECTS): 10
Responsible for the module: Prof. Dr.Eng. Philipp Misselwitz	Office: HBS5	E-mail: claudia.matthews@tu-berlin.de

Module Description

1. Qualification Objectives

After the successful completion of the module, students shall be able to present in detail the core areas of Urban Management with particular reference to the special requirements of cities in developing and transition countries. They shall have an understanding of the interaction between different strategy areas and be able to recognize problems not just in one sector, but in their interconnectedness, and develop strategies for their solution.

2. Contents

The thematic priorities lie in the following areas: land management and housing, environmental management, management of infrastructure and public services.

Unit 1 Land Management and Housing: different types of formal, semi-formal and informal landownership; strategies of regulation and formalization of informal settlements and the integration of traditional landownership in planned development processes; region-specific particularities of land markets; solution methods for conflicts of ownership and usage, such as land pooling, land swapping, land sharing; influences of landed property situations on spatial planning and the provision of infrastructure; housing and housing policy; maintenance and urban renewal; informal settlement development

Unit 2 Environmental Management: selection from the following range of topics: urban environment and sustainable development; basics of the protection of the climate, land, water and air; environmental justice and political ecology; the role of cities in climate change; resilience; urban agriculture; technical and participatory approaches in urban environment protection; connections to other aspects of urban development, such as poverty eradication, economic development, urban planning, etc.

Unit 3 Management of Infrastructure and Public Services: selection from the following range of topics: management of urban infrastructure and social or health-related services, particularly the operation and maintenance of facilities for water supply and disposal, waste disposal, transport infrastructure; social inclusion/exclusion and infrastructure; urban fragmentation; infrastructure and resilience

3. Module Components

Course title	Type of course	Course hours / week	Credits	R/E/O*	WS/SS**
4.1. Land Management and Housing	IC	2	3	R	SS
4.2. Environmental Management	IC	2	3	R	SS
4.3. Management of Infrastructure and Public Services	IC	3	4	R	SS

* R: required / E: elective / O: optional

** WS: winter semester / SS: summer semester

4. Description of Course Types and Forms of Learning

The module consists of integrated courses. Exercise units and lectures or input units given by the lecturers are combined with each other.

5. Prerequisites for Participation

Admission to the program; successful completion of Modules 1–3
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6. Applicability

Only as part of this post-graduate program; based on the modules of the first semester
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7. Amount of Work and Credits

Contact time: 105 hrs

Land Management and Housing: 2 course hours / week x 15 weeks = 30 hrs
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Environmental Management: 2 course hours / week x 15 weeks = 30 hrs

Management of Infrastructure and Public Services: 3 course hours / week x 15 weeks = 45 hrs

Self-study (including examination and preparation for the examination): 195 hrs
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The total work amount of 300 hrs is equivalent to 10 credits (with 30 hrs of work = 1 credit)
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8. Examination and Grading of the Module

Portfolio examination, graded

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| <ul style="list-style-type: none">- written and/or oral exam element as part of IC Land Management (maximum of 30 points)- written and/or oral exam element as part of IC Environmental Management (maximum of 30 points)- written and/or oral exam element as part of IC Management of Infrastructure and Public Services (maximum of 40 points) |
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A minimum of 50 out of 100 points is necessary to pass the module.
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9. Duration of the Module

The module may be completed within one semester.
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10. Number of Participants

11. Enrollment Formalities

None

12. Suggested Reading List, Handouts

13. Other

Students are expected to participate actively and regularly in the module courses (they must not be absent for more than 20% of each course).

Title of the module: M5 Integrated Urban Management Projects		Credits (according to ECTS): 10
Responsible for the module: Dr. Bettina Hamann	Office: HBS5	E-mail: bettina.hamann@tu-berlin.de

Module Description

1. Qualification Objectives

Through practical projects students shall acquire specific knowledge in relevant core areas of Urban Management as well as knowledge about the framework conditions that influence these core areas and the strategic approaches on which different problem solutions are based. After the successful completion of the module, students shall be able to

- apply adequate techniques to different spatial development situations, for instance action- and participation-oriented planning techniques, such as action planning and the involvement of important players in local planning (stakeholder concept);
- assess complex interrelations between problems and cross-sectoral interdependences in a differentiated manner, and derive suitable solution strategies from the analysis;
- compare the particularities of a specific case with the structural characteristics of a problem's fundamental presentation and with approaches for solution concepts and implementation strategies;
- and independently apply the acquired knowledge and skills to systematic analyses.

2. Contents

In reference to the contents of Modules 1 to 4, these analytical and strategic approaches are conveyed through their application in concrete practical projects, based in Germany or abroad, in the context of complex urban processes and strategies of development.

Integrated Project Practice: integrated practical projects from Germany and abroad, dealing with specialist topics from Modules 1–4.

3. Module Components

Course title	Type of course	Course hours / week	Credits	R/E/O*	WS/SS**
Integrated Project Practice	PJ	8	10	R	SS

* R: required / E: elective / O: optional

** WS: winter semester / SS: summer semester

4. Description of Course Types and Forms of Learning

The module is conceptualized as a project. The teaching units combine course types and forms of learning that are aimed at the optimal support of the subject-specific learning progress, and of the skills required for independent work and teamwork, thus laying the foundation for autonomous project work. Students shall work in the context of concrete practical projects in Germany or abroad, summarizing their results in the form of annual project reports.

5. Prerequisites for Participation

Admission to the program; successful completion of Modules 1–3

6. Applicability

Only as part of this post-graduate program; based on Modules 1–4
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7. Amount of Work and Credits

Contact time: 120 hrs

PJ Integrated Project Practice: 8 course hours / week x 15 weeks = 120 hrs
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Self-study (including examination and preparation for the examination): 180 hrs
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The total work amount of 300 hrs is equivalent to 10 credits (with 30 hrs of work = 1 credit)
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8. Examination and Grading of the Module

Portfolio examination, graded

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| <ul style="list-style-type: none">- oral exam element (e.g. short presentation and active participation in discussions about the topics related to the presentation) as part of the project (maximum of 50 points)- written exam element (homework in the form of a project report, carried out as group work) as part of the project (maximum of 50 points) |
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A minimum of 50 out of 100 points is necessary to pass the module.
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9. Duration of the Module

The module may be completed within one semester.
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10. Number of Participants

11. Enrollment Formalities

None

12. Suggested Reading List, Handouts

13. Other

Students are expected to participate actively and regularly in the module courses (they must not be absent for more than 20% of each course).

Title of the module: M6 Project Management and Language Education		Credits (according to ECTS): 6
Responsible for the module: Dr. Bettina Hamann	Office: HBS5	E-mail: bettina.hamann@tu-berlin.de

Module Description

1. Qualification Objectives

After the successful completion of **Module Component 6.1 Project Management**, students are expected to recognize the project-specific requirements of participation-oriented planning approaches, knowledge transfer and resource mobilization. They shall be able to plan and execute projects under the specific framework conditions of interdisciplinary or intercultural cooperation.

Module Component 6.2 Language Education is aimed at the further promotion of students' foreign-language skills as well as their communicative and intercultural competences. Students shall train their communication techniques and reflect on their specific socio-cultural contexts.

2. Contents

Expansion of knowledge and skills acquired in Module 3 in the following areas:

Unit 1 Project Management: information strategies; structuring of decision-making processes; organization of workshops; participation-oriented planning approaches and shared decision-making; techniques for moderating and communicating; resource mobilization; knowledge transfer; capacity-building

Unit 2 Language Education: German (or other language) (for native speakers: another foreign language): After the successful completion of the module component German as a Foreign Language at the end of the second semester, foreign students shall be able to communicate fluently in simple oral and written form, and understand uncomplicated technical papers. By means of learning a foreign language of their own choice, students with German as their native language shall be enabled to further improve their language skills.

3. Module Components

Course title	Type of course	Course hours / week	Credits	R/E/O*	WS/SS**
6.1 Project Management	IC	2	2	R	SS
6.2 Language Education: German (or other language)	T	4	4	R	SS

* R: required / E: elective / O: optional

** WS: winter semester / SS: summer semester

4. Description of Course Types and Forms of Learning

The module consists of an integrated course (Project Management) and a tutorial (Language Education). As part of Module Component 6.1, different types of project management and process organization will be presented and tried out together with the students. In Module Component 6.2 written and oral language exercises will be carried out, both individually and in groups.

5. Prerequisites for Participation

Admission to the program; successful completion of Modules 1–3

6. Applicability

Only as part of this post-graduate program
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7. Amount of Work and Credits

Contact time: 90 hrs

IC Project Management: 2 course hours / week x 15 weeks = 30 hrs
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T Language Education: 4 course hours / week x 15 weeks = 60 hrs

Self-study (including examination and preparation for the examination): 90 hrs

The total work amount of 180 hrs is equivalent to 6 credits (with 30 hrs of work = 1 credit)

8. Examination and Grading of the Module

Portfolio examination, ungraded (passed/failed)
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| <ul style="list-style-type: none">- written and/or oral exam element (e.g. group presentation) as part of IC Project Management (maximum of 30 points)- practical performance and final examination as part of the Language Education tutorial (maximum of 70 points) |
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A minimum of 50 out of 100 points is necessary to pass the module.
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9. Duration of the Module

The module may be completed within one semester.
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10. Number of Participants

11. Enrollment Formalities

None

12. Suggested Reading List, Handouts

13. Other

Students are expected to participate actively and regularly in the module courses (they must not be absent for more than 20% of each course).

Title of the module: M8.1 Master Colloquium		Credits (according to ECTS): 2
Responsible for the module: Dr. Bettina Hamann	Office: HBS5	E-mail: bettina.hamann@tu-berlin.de

Module Description

1. Qualification Objectives

After the successful completion of **Module 8.1 Research Colloquium**, students shall be able to plan and write a Master's thesis.

By means of the written Master's thesis students shall demonstrate that they are capable of dealing with issues of Urban Management autonomously according to academic and practical methods and findings.

2. Contents

By attending the colloquium students shall learn how to integrate issues, methods and theories into their planned research projects. They shall deepen their knowledge of the formal and content-related requirements of academic works, as well as of the criteria of scientificity and the relation between theory and empiricism. Based on this knowledge and under the guidance of their supervisors, students shall plan their Master's thesis. The Master's thesis is written independently, with support rendered by the supervisor if and when required. The length of the Master's thesis shall be around 25,000 words.

3. Module Components

Course title	Type of course	Course hours / week	Credits	R/E/O*	WS/SS**
8.1 Research Colloquium	CO	2	2	R	WS/SS

* R: required / E: elective / O: optional

** WS: winter semester / SS: summer semester

4. Description of Course Types and Forms of Learning

In Module 8.1 students shall present and discuss the concepts of their Master's theses. Advice is offered on how to minimize problems with writing a final thesis. A synopsis shall be written as part of the preparation for the Master's thesis. The Master's thesis itself may be written in Germany or abroad. The time period allowed for the writing of the thesis is 25 weeks.

5. Prerequisites for Participation

Admission to the program; successful completion of Modules 1-6

6. Applicability

Only as part of this post-graduate program

7. Amount of Work and Credits

Contact time: 30 hrs

CO Research Colloquium: 2 course hours / week x 15 weeks = 30 hrs

Self-study (including examination and preparation for the examination): 30 hrs

The total work amount of 60 hrs is equivalent to **2 credits** (with 30 hrs of work = 1 credit)

8. Examination and Grading of Module 8.1

Portfolio examination, graded

Written and/or oral exam element (synopsis of the Master's thesis / presentation of Master's thesis project) in the Research Colloquium.

9. Duration of the Module

The module may be completed within one semester.

10. Number of Participants

11. Enrollment Formalities

None

12. Suggested Reading List, Handouts

13. Other

Students are expected to participate actively and regularly in the module courses (they must not be absent for more than 20% of each course).