



Bahir Dar University
Institute of Land Administration
Department of Architecture

**A Curriculum for Doctor of Philosophy
(PhD) in Urban Planning and Development**

April, 2023
Bahir Dar, Ethiopia



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Institute of Land administration
Department of Architecture

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(PhD) in Urban Planning and
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Department of Architecture
Institute of Land Administration
Bahir Dar University
Bahir Dar, Ethiopia
+ 251-582200638

Fax: + 251-583206094



E-mail:

Website: <http://bdu.edu.et>

EXECUTIVE SUMMARY

Name of the Program: Urban Planning and Development

Name of the Degree to be awarded: The Degree of Doctor of Philosophy in Urban planning and Development

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Degree to be awarded by: Bahir Dar University, Subjected to the Approval of the Senate

Standard Period of Study: 4 Academic Years

Commencement of the Program: 2016 EC/ 2023 GC

Fees / Charges: As per Rules and Regulation of Postgraduate Programs of Bahir Dar University

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1. Background of the program

Ethiopia, like other countries in sub-Saharan Africa, is undergoing a rapid process of urbanization. Accordingly, the urbanization rate is estimated to increase from about 17% at present to about 24%, 29%, and 36% in 2030, 2040, and 2050, respectively. This will put a huge pressure on our cities and emerging towns to absorb the rapid urban growth. The accelerating rate of urbanization around the world demands planning ahead to enhance the growth of cities in an orderly, equitable, and sustainable way. Urban planning becomes essential in guiding, directing, and managing urban spatial development trends. The complexities in the urban fabric demand the need to train professional urban planners who are competent enough to shape the nature of the urban form through determining where, when, and how development should occur.

Urban planning is a major player in the economies of many countries, generating growth and wealth for the nations through its all-around linkages with various sectors. The field of urban planning encompasses all aspects of the development of human settlements, including the use of land, protection of the environment, economic productivity, and the future allocation of physical and social public resources. Most often, the discipline of urban planning is understood with respect to the planning of urban areas, cities, and regional towns in respect to their forms and structures, but it has grown to include all aspects of the formulation and implementation of public policy at all levels of society. In the present day's urban planning practices worldwide, it plays a great role in advancement to meticulously plan, organize, and manage the entire work involved in development. When compared to the number of complex ongoing development projects across the country, the number of such urban planners and managers available to lead urban planning activities in the country is extremely low. Most managers in many urban planning sectors lack the required high level knowledge and skill to provide efficient service and also to initiate policy ideas that could enhance sustainable urban development. Hence, the PhD program initiated by Bahir Dar University Institute of Land Administration can be of great importance to avail knowledgeable professionals who could efficiently guide the urbanization process and urban development in the country.

Bahir Dar University's Institute of Land Administration, as one of the leading higher educational institutions focusing on land & the built environment and with long years of teaching and research in the field, is expected to play a significant role in producing highly qualified researchers and practitioners in this field. Accordingly, and in line with the Bahir Dar University development

strategies, the Institute of Land Administration is currently planning to start a new PhD program in Urban Planning and Development in the coming academic year of 2023/24. To this effect, the Curriculum committee at the Institute of Land Administration conducted a need assessment.

The curriculum for Doctor of Philosophy (PhD) in Urban Planning and Development degree is designed to provide students, or train individuals with, the capacity to independently address issues and problems that contribute to knowledge and expertise in the field of urban planning. It is a doctoral degree with a flexible, interdisciplinary focus, designed to nurture distinguished scholars and researchers, offers research and learning opportunities encompassing the field of Urban Planning and Development.

It is a four year program, and is structured to enable students to pursue one year of coursework (i.e. two semesters), in a major area, as well as minor area that complements and supports the field of specialization. The subsequent three years are dedicated for the field research, analysis, and writing of the dissertation. During these three years, the student, shall be guided by major and co-advisors for each respective research work as well as, writing the dissertation. In that respect, therefore, at all stages of the program, the student shall work closely with a faculty advisor to tailor his course of study to his particular research interests.

The program shall be based on a core curriculum of required planning and research courses, as well as, courses that focus on a content, relevant to the student's area of research that would be in one of the approved sub-specialty. The main emphasis of the core area shall be in the following subjects.

1. Urban studies
2. Development theory
3. Advanced research methodology and Doctoral seminar
4. Advanced Urban Planning Theory and practice
5. Advanced Urban Analysis Tools & Techniques

In addition to the core area, a student may select a specific research/dissertation topic linked to one of the following sub-specialty of thematic area.

- ✓ Infrastructure development and management - (social, economic, physical & political);
- ✓ Urban Land use planning& Design;
- ✓ Environmental Planning focused on built environment;
- ✓ Landscape Planning;

- ✓ Rural or Urban development/planning;
- ✓ Transportation planning – (rural & urban);
- ✓ Planning & Managing emerging towns;
- ✓ Urban Policy; Urban Politics; Institutions & Land Governance;
- ✓ Urban or Rural Housing;
- ✓ Inner-city revitalization;
- ✓ Urbanization of cities in the developing countries;
- ✓ Other thematic area significantly relevant to the field of Urban Planning & Development.

2. Rationale of the Program

2.1. Underlying reasons and potentials

The underlying reasons for the launching of PhD program in Urban Planning and Development are many, and some of the major and important ones are briefly pointed out in the following paragraphs.

As Ethiopia hopes to become one of a middle income country in the near future, cities and towns are expected to be drivers of economic growth, centers of industrialization and investment. To this effect, cities and towns should also be able to provide social, economic and physical infrastructures and services. All these development activities require knowledgeable and skillful political leaders, city governors and managers, policy makers, higher level researchers and educators, to wisely plan, manage, administer, and utilize resources for sustainable urban growth and development.

Today, most regional towns of Ethiopia are facing many development challenges of different scales. The most important challenge is the lack of development strategy that brings these regional towns to become strong participants and contenders in the whole urbanization process of the nation that is dominated by the capital city – Addis Ababa – and by a few capital cities of the regional states. As it is the case today, a large number of small towns whose role did not go beyond being “market towns” serving the immediate rural area, are unlikely to produce a sustainable development structure to meet the vision of the nation becoming an industrialized country.

The government of Ethiopia has adopted several development policies and strategies for sectorial capacity building -nationally, regionally and locally. One of the sector given priority and emphasis is the education sector. The policy action regarding the education sector is based on the firm believe that, the development potential of the education sector in general and that of higher education institutions in particular are indispensable, to feed the economy with the necessary human capital,

research outputs and technology solutions; and thereby ensure sustainable growth and development of the country. Following the government's policy framework on education, Bahir Dar University became among the few to develop a working strategy that enhances the capacity of the nation's higher education by intensifying its effort for the development of more graduate programs at M.Sc. & Ph.D. level, in all its schools, institutions, faculties. In line with this endeavor, in the last four years, we have witnessed increases in the number of new graduate programs in different faculties, institutions, schools that specialize in different academic disciplines. This strategic direction also has a positive effect in the unprecedented growth of student enrollment in the different graduate programs, hence shaping the future direction of higher education of the nation. Being one of the oldest universities in the nation, Bahir Dar University has more leverage than others, to fulfill its aspirations of becoming center of excellences, in higher education and research in specialized field of disciplines. It has full-fledged faculties, institutions, schools, adequate academic staff professional composition and number, and better physical as well as social infrastructure.

In the spirit of the university mission, all faculties, institutions, schools of the BDU are making relentless effort to bring into reality the goals and vision of the University. ILA being one of the institution of BDU, in its five year's strategic plan, has put up-front the opening of graduate programs in different disciplines, and yet unique to existing programs. The launching of a PhD program in "Urban Planning and Development" is one of the endeavors that ILA aspires to attain the objectives of BDU. This graduate program is unique in a sense, it is the only one of its kind and different from others graduate programs of BDU, hence making it worth of note.

In line to the state of the above scenario of rationality, ILA strongly believes that the opening of the program is very essential; for the development of skilled and knowledgeable people in the field of Urban Planning and Development, that are most demanded, in different private and public institutions; city governments; institutions of higher education and the like.

2.2. Comparative Advantage of Bahir Dar University

Bahir Dar University is one of the first generation universities in Ethiopia offering high level of trainings on various fields but not on urban planning and Development. In this regard, the university is responsible for the production of highly qualified urban planning professionals that can be engaged in teaching learning process and research activities; and who will work on different government institutions and contribute to the development of sustainable and livable cities in the

country at large and in Amhara Region in particular. that the active involvement of Bahir Dar University in the preparation of the structure plan of Bahir Dar city can be taken as an opportunity for opening the program.

As it is known there is no university in the region which is researching the issues of built environment, urbanism and architecture. So as one of the leading university, Bahir Dar University will be the pioneer in this regard. Moreover, Bahir Dar University is found in the middle of Tana Growth Corridor where urban planning for cities in this region is needed.

2.3. Support of Need Assessment for PhD Program

The results of the need assessment survey carried out by the Department of Architecture in different higher learning institutions, government organizations and non-governmental organizations at different level (Annex 10.3) showed the need of highly qualified urban planning and development specialists. As per the need assessment survey, 96.4% of the respondents reported the existence of severe knowledge, skill and experience gaps in the practice of urban planning. Likewise, 71% of the respondents observed that the opening of PhD program in Urban Planning and Development at Bahir Dar University will give them a chance to broaden their intellectual horizon and improve and their academic career, and also enables them to provide effective service in their organization.

Launching the PhD program in urban planning at the current status of Bahir Dar University is therefore a feasible, timely and necessary initiative. Being aware of this fact, the Department of Architecture in the Institute of Land Administration has devised this program to produce adequate number of well trained and qualified personnel in the field of urban planning and development at PhD level.

3. Objectives of the Program

3.1. General Objective

The general objective of the PhD program is to contribute towards easing the severe shortage of higher level teachers, researchers, and practitioners, policy makers and city managers, in the field of Urban Planning and Development, by producing professionals who are well equipped with research capacities as well as theoretical and practical knowledge and skills.

3.2. Specific objectives

The specific objectives of the PhD study program are:

- To influence contemporary urban planning and development practice
- To formulate strategies to increase competitiveness of urban centers at different level
- To enable students acquire valuable knowledge and skill from contribution of distinguished scholars and researchers in the field of Urban Planning & Development;
- To integrate and coordinate urban and regional development policies within the broad spectrum of physical and spatial planning framework
- To offer students, research and learning opportunities encompassing the field of Urban Planning and Design;
- To create conducive environment for students become, thought-leaders and exceptional scholars with strong research and communication skills;
- To cultivate enduring faculty/student mentoring relationships and collegial networking among the peers;
- To fill the gap where there is a complete or partial absence of skilled and knowledgeable professionals in the field of Urban Planning & Development;
- To benefit city governments and administrates, by way of offering training to individuals or to groups, to make them possible, to undertake both independent and collaborative interdisciplinary research on the planning and design of a city;
- To establish partnership, with various governmental and non-governmental institutions/organizations, as well as, national and international stakeholders and universities, on research and project work on the planning and design of cities of developing regions.
- To train all actors involved in planning processes, in methods of communication, participation and co-production, by way of organizing workshops; seminars; publication; etc.
- Contribute to urban development policies and strategies at higher levels in Ethiopia as well as between international organizations

4. Profiles

4.1. Professional Profiles

Graduates of this program are prepared to pursue careers as urban planning and development professionals. Possible career opportunities include:

- ◆ Instructor in higher learning institutes and universities;
- ◆ Researchers in urban planning research institutes and universities;
- ◆ Policy advisors; and
- ◆ National and international consultants in the area of urban planning and related fields.

4.2. Graduate Profiles

The Doctor of Philosophy (Ph.D.) degree in Urban Planning & development shall be a four year full time program. It shall be the highest degree offered in planning; research; and academic achievement. To this effect, the program aims to enable young students acquire, the knowledge and skills necessary to conduct substantive and original work in a specialized area that creates a deeper and broader understanding of the theoretical, practical as well as, the underlying scientific principles of planning and design, in the context of urban and emerging towns of developing regions. Moreover, the program trains students to enable them become, potential professionals for teaching and research position in higher institution, and for high-level policy and administrative positions.

To this effect, the graduates with a degree of Doctor of Philosophy (Ph.D.) in Urban Planning & Development shall achieve the competences in the following major activities:-

- Graduates will be able to address complex urban systems that typically encompass an array of spatial, environmental, social, political, as well as, economic and technical, factors.
- Advance higher education, knowledge and skills relating to Urban Planning through scholarly and applied research;
- Demonstrate urban planning models and approaches in cities and towns to cope up the challenges as the result of Urbanization
- Undertake professional real world urban planning and development projects in collaboration with local residents, public agencies, urban planning and urban 10 development private consulting and construction firms and other private and non-profit organizations,

- Advise policy makers with regard to policy, institutional, financial and legal frameworks of the planning and design of a city;
- Undertake studies and execute real world projects of planning and design of cities, in collaboration with local governments and residents, public and private agencies, and other institutions that have a shared interest in the projects.
- Undertake projects and conduct researches on the connections between rural and urban development and planning, for sustainable growth of settlements.
- Develop and utilize scientific data and results as a basis for tackling existing and emerging challenges in the planning and design processes of a city
- Develop planning and design strategies and devise mechanisms for its implementation, for the revitalization or preservation of parts of a city/urban.
- Plan and design innovative urban planning interventions in terms of structure and development plans, neighborhood design and planning, local development plan, and related issues

Moreover, with the knowledge and skills acquired during the study period, a PhD graduate of Urban Planning & Development program would not only be competent in the methods of conducting a typical research on a subject matter of Urban Planning & Development, but also develops social competences that would enable the graduate to:

- Work constructively in teams, and when called upon to provide leadership;
- Recognize and respect diversity in people and cultures;
- Facilitate constructive decision making processes;
- Deal with difficult problems, people and situations in a positive manner;
- Facilitate the participation of citizens in the processes of planning and implementation of affairs of their cities, towns, and their neighborhood.

Needless to say, the teaching and learning outcome of the PhD program in Urban Planning & Development is designed to enable the graduate develop personal competence that would help demonstrate individual maturity, responsibility, and confidence. For instance:

- To evaluate one's own work and the work of others;
- To accept the criticism from others, including constructive recommendations;
- To meet assignments and time obligations;
- To clearly communicate graphically, verbally and in writing;
- To practice high ethical standards.

4.3. Program Profiles

Qualified staff and adequate resources/facilities to run the PhD study program successfully are available. The details are presented below.

4.4. Staff profiles

Institute of Land Administration is staffed with highly qualified teaching staffs that are legible for offering courses and supervising urban planning and land related research works (Table 1). Moreover, the program will collaborate with other universities including Addis Ababa University, and other research institutes working on urban issues.

Table 1. List of eligible and currently available potential staff

No.	Name	Qualification	Academic Rank	Specialization
1	Tadesse Amsalu	PhD	Associate professor	Environment and Natural resource Management
2	Berhanu Kefale	PhD	Associate professor	Geo-information and Cadastre
3	Achamyeleh Gashu	PhD	Associate professor	Real Estate Planning and Land Law
4	Gebeyehu Belay	PhD	Associate Professor	Cadastre and Land Management
5	Belachew Yirsaw	PhD	Assistant Professor	Economics and land Management
6	Teshome Taffa	PhD	Assistant Professor	Geography and Land Management
7	Abebe Mengaw	PhD	Assistant Professor	Geo-information System (GIS & RS), & Land Governance
8	Asmamaw Chanie	PhD	Assistant Professor	Geodesy and Atmospheric Physics
9	Wubante Fetene	PhD	Assistant	Land Economics and Applied

			Professor	Economics
10	Solomon Dargie	PhD	Assistant Professor	Surveying, and Land Policy and Governance

Table 2. Collaborative staffs from other universities

No.	Name	Qualification	Academic Rank	Institution/ University	Specialization
1	Birhanu Girma	PhD	Associate professor	Addis Ababa University- EiABC	Urban planning
2	Ambuj Kumar	PhD	Professor	Chitkara University	Urban planning
3	Fatih Bashier	PhD	Professor	Wollega University	Architecture

4.5. Resources

In addition to the common resources like internet, library, class rooms and office, the program has laboratory/ workshop facilities where the Department of Architecture is using now. Candidates will use the existing facilities of the department. Such facilities range from library with full internet facilities, laboratories and equipment. Regarding infrastructure, there are three smart class rooms which will be used for the teaching learning activities and big studio class for urban design related studio works. Candidates will have sufficient working space for individual and group work, presentations and other academic activities. Financial resources for the necessary additional materials and that are not readily available and for seminars, conferences, field trips, workshops etc. will be addressed through the institute in collaboration with the department.

Table2: Infrastructure and facilities for the teaching learning activities

No.	Required Resources	Available Resources	Remark
1	1 Smart Class room	8 Smart Class rooms	
2	1 Computer Lab	12 Computer Labs	
3	1 Studio	3 Studios	
4	1 Office for PhD Students	2 Offices	
5	Library	1 Library	

5. Program Structure

5.1. Module and Course Coding

Each module shall be given a module code as 01 for the first module, 02 for the second module, and 03 for the third module and so on.

The course code will have four alphabets and four-digit numbers. The four alphabets code indicates the name of the program abbreviated as “URPD”. The first number indicates the year of module offering while second two-numbers (01, 02, 03, 04, and 05) indicate module number and the last fourth number indicates the order of the course within the module

5.2. List of Modules, Courses and their Status

Module no	Module name	Course title	Course code	CP	ECTS				
					L	P/Lab	T	HS	Cr/Hrs
01	Development theories	Development theories	URPD1011	10	3	0	0	14	3
02	Urban studies	Morphology of cities	URPD1021	12	3	1	0	14	4
		Urban metabolism	URPD1021	12	3	1	0	14	4
		Perspectives in sustainable urban development	URPD1021	12	3	1	0	14	4
03	Urban design and housing	Urban design and housing	URPD1031						
04	Advanced research methodology and seminar	Advanced research methodology	URPD1041	10	3	0	0	10	3
		Doctorial seminar	URPD1042	10	1	3	0	14	3
05	Advanced Urban Planning Theory and practice	Advanced Urban Planning Theory and practice	URPD1051	12	4	0	0	14	4
06	Advanced Urban Analysis Tools & Techniques	Advanced Urban Analysis Tools & Techniques	URPD1061	10	3	0	0	14	3
07	Dissertation	Dissertation	URPD1071	120	0	0	0		12

PhD Curriculum in Urban Planning and Development

5.3. Course Breakdown and Mode of Delivery

All courses in the PhD program are offered on a semester basis. Course work is expected to be completed in the first academic year. As of the second year, students will work on their thesis research and expected to complete second semester of the 4th year of their enrolment. Course breakdown and mode of delivery is indicated below.

	Course Title	Course Code	Cr. hr	L	T/ L a b	Tut	HS	CP	Delivery	Remark if any
Year 1 Semester I	Development Theories	URPD1011	3	3	0	0	14	10		
	Urban Studies	Morphology of cities (Elective)	URPD1021	4	3	1	0	14	12	
		Urban metabolism (Elective)	URPD1021	4	3	1	0	14	12	
		Perspectives in sustainable urban development (Elective)	URPD1021	4	3	1	0	14	12	
	Urban design and housing	URPD1031	4	3	1	0		12		
	Advanced research methodology	URPD1041	3	3	0	0	10	10		
	Total		14					44		
Year 1 Semester II	Advanced Urban Planning theories and practice	URPD1051	4	3	1	0	14	12		
	Advanced Urban Analysis Tools & Techniques	URPD1061	3	3	0	0	14	10		
	Doctorial seminar	URPD1042	3	0	0	0	14	10		
Total			10					32		

Year 2, Semester 1 to Year 4, Semester 2 (6 semesters)

Module No.	Course title	Course code	Cr. Hrs.	Contact hours/week	CP	No of weeks	Delivery	Duration
02	PhD Dissertation*	URPD1061	12(0+12)		120	96		Week 1-16

*Students will be registered for PhD Dissertation in the first semester of second year and subsequently, they will be registered for the same dissertation in each semester “as ongoing” until they complete their study in the second semester of the 4th year

Program duration

The duration for the completion of the Ph.D. program in Urban Planning & development shall be four years of fulltime study. Extension of the duration of study may be allowed where a candidate shows that he/she was unable to complete his/her studies within the specified period due to force majeure and where the extension is recommended by the graduate committee of the chair; endorsed by the PhD Advisory Committee, the maximum total duration for this Ph.D. program is six years.

Mode of delivery

Lectures, seminars, workshops, presentations presentation of, self-study, field study and evaluations will be used to deliver the modules – (for detail of each course's delivery mode please see the "Module Descriptors". In most cases of the modules, the modes of delivery shall be linked to the real life situations of aspects of Urban/Cities & Regional towns' planning agenda, hence making the module delivery systems effective. The minimum and maximum time line of the mode of delivery depends on the content and depth of coverage of each module/course. However, those modules/courses covered by guest professors from Partner Universities shall take, usually three to five sessions, of two hours each. Sometimes and when the need arises, video conferencing and system of e-learning could be used.

6. Learning and Assessment Strategies

6.1. Learning Strategies

The design of the curriculum for PhD degree in Urban Planning & development bases its argument, on the achievement of quality teaching and learning processes. It is focused on a one year course work, demanding additional requirement. A successful, completion of the course works and the requirements eventually lead the candidate to master the scientific reasoning and research power, leading to the writing of a dissertation.

The program contains nine modules/courses to cover various areas of the main theme of Urban Planning &, development while contributing to the research focus of the candidate. However, the content of the course work is not necessarily directly related to the research topic of the candidate.

In general, the teaching approach of a module involves the components of: interactive teaching-and-learning, self and collaborative learning. The delivery activities for the modules include lectures and student-centered seminars with self-study; practical exercises of independent or group

natured work; literature summary and review, seminar paper presentations and discussions.

Modules shall be given by core and adjunct staffs and invited instructors from partner Universities. Moreover, addition to the personal consultation time with their supervisors, candidates also present their dissertation progress regularly in the presence of their colleagues, supervisors and invited scholars. Such presentations are intended to contribute to the development of their dissertations, writing skills, monitor their progress, and share experiences with other peer candidates.

Various methods of learning and teaching strategies including lecture, discussion, reading assignments, practical demonstrations, case studies, term papers and presentation of assignments shall be employed at each course level.

6.2. Assessment Strategies

The progress of graduate students is assessed by the respective course owners and the department of architecture, Institute of Land Administration. The assessments will focus on both completion of coursework and the development of professional skills in research, writing, leadership and service provision. Moreover, the students will be assessed using the following methods where the weights of each method will be determined as per BDU senate legislation.

1. Coursework:

- ◆ Term paper assignments
- ◆ Seminars and presentations

2. Lab/Practical courses:

- ◆ Laboratory/Field reports
- ◆ Practical examination
- ◆ Written examination

3. Thesis/Seminars/Report presentation:

- ◆ Paper organization
- ◆ Quality of paper presented
- ◆ Way of presentation
- ◆ Defending material presented

7. Rules, Regulations and Requirements

7.1. Admission Requirements

Students for the PhD study in Urban Planning & Development usually would come from diversified academic backgrounds. Most usually, the applicants shall be with the professional degree of M.Sc. in different disciplines. Those with M.Sc. /MA, in Architecture, Advanced Architecture, Architectural Engineering, Housing and Sustainable Development; Urban and regional Planning; Urban Design & Development; Environmental Planning and development; Environmental Planning and landscape design; Urban Design and Planning, Urban Ecological Planning, Urban Planning and Land Administration, Urban Engineering, Urban Transport Planning, Geo informatics Engineering (GIS and Remote Sensing) and related fields shall be given priorities to join the program.

However, candidates who don't fulfill the basic courses and skills like Introduction to Urban Planning theory and Practice, Architectural design and Basic and urban Design Principles, in their pre-doctoral studies should be obliged to undergo bridging program at master's level so as to increase quality of this PhD Program. In addition, the applicant's preliminary research proposal postulate to have a scientific research contribution to the underpinning issues of the field of urban planning and development.

However, all should have in common a demonstrated ability to conduct research in a specific area of planning; design and research in the context of urban & emerging towns/cities.. Moreover, all shall be expected to share a commitment to achieve and maintain the necessary skill and knowledge, through study, research, and academic achievements, not only during doctoral studies, but also later on as the core activity of their professional careers.

The relevance of the academic qualifications of candidates for this specific program should be checked upon receipt of their applications. In selecting candidates, those who have publications on urban and related issues will be given priority. Besides, applicants should present focused research concept notes (maximum 5 pages) and at least two letters of recommendations from persons who are able to judge the candidates ability to satisfactorily undertake PhD studies. Moreover, applicants to the program shall be required to submit, a preliminary research proposal to the coordinator of PhD program in Urban Planning & Development. An Academic Committee

composed of staffs involved in teaching and advising/supervising students of PhD programs in the Institute shall screen the proposal in light of its significances and contribution to knowledge, as well as looks into whether the applicant's proposal fits the program or not. The number of the Academic Committee shall be minimum three and maximum fifty.

An applicant shall also be required to present the proposal to the Academic Committee and consequently, the committee shall cross exam the applicant, to take into account the commitment as well as, the knowledge and skills the applicant has on the subject matter of the proposal.

7.2. Grading System

The grading system shall be as per the academic regulations of Bahir Dar University.

7.3. Graduation Requirements

PhD candidates must fulfill the following requirements to be eligible for graduation:

- ◆ At least Twenty credit hours of course work with successfully defended dissertation work
- ◆ Publication requirements has to be in compliance with BDU legislation, Article 222, Sub-Articles 6 and 7. Sub-Article 6 states that those Ph.D. candidates who submit a monograph-based thesis or dissertation must have at least one publication in a reputable journal in order to graduate. On the other hand, candidates who join research-based programs need two publications. Sub-Article 7 states that an article-based thesis necessitates three articles published in a reputable journal.

7.4. Degree Nomenclature

The degree awarded to successful candidates will be labeled in English and Amharic as follows:

“The Degree of Doctor of Philosophy in Urban Planning and Development”

(የፍልስፍና ዶክትሬት ዲግሪ በከተማ ፕላን እና ልማት)

7.5. Medium of Instructions

The medium of instruction for the program is ENGLISH.

7.6. Duration of the Study

This PhD study program in urban planning is normally a 4 years program where the first year is normally allocated for course works and the remaining three years are for research work including

write up of thesis manuscript, publication of journal articles and defense of the research results. The duration of the study however can be shortened and extended in accordance to rules and regulations of Bahir Dar University Senate Legislation.

7.7. Total Load

The total minimum load of the PhD study in Urban Planning and Development shall be 20 Cr. Hrs. or 64 CP course work and 12 Cr. Hrs. or 120 CP research work as per the course breakdown.

8. Partnerships / Cooperation

The institute of Land administration, Bahir Dar University, has connections and recognition with regional, national and international governmental as well as non- governmental organization which will contribute for the successful implementation of the Urban Planning and Development PhD program. Regionally, the institute is working closely with Amhara Region land bureau, Bureau of urban and infrastructure and Amhara planning institute. Nationally, the institute is working with Ministry of agriculture, ministry of urban and infrastructure bureau, and several universities. Moreover, the department of Architecture is closely working with Federal construction management institute.

9. Quality Assurance Mechanisms

The PhD coordinator in compliment with Department Graduate Council (DGC) follows up and evaluates the training quality at program and course levels. To control the quality of the intended PhD study program, the coordinator and DGC will set evaluation approaches such as open discussion about the courses, their relevance and betterment, evaluation of instructors by students after each course completion and their considerations, and finally evaluation of the whole program by DGC every year for possible actions of improvement. Feedback will be collected when part-time staffs deliver courses. Moreover, alumni and employer feedback survey, and external evaluation and auditing of the program will be performed.

The quality and standards of Urban &Regional program will be assessed through various measures. Few among them are as follows.

Evaluation of student work: The work of a student, written essays and projects as well as,

seminar papers shall be evaluated with the participation of staff members, peer students, and invited professionals from outside the BDU that are qualified in the subject matter of the student's work. Moreover, professors from partner universities could be involved where appropriate, in the evaluation of a student's work.

Moreover, a dissertation of the candidate shall be looked into by the Scientific Advisory Committee for Graduate programs for approval of defense. The final evaluation/defense of the dissertation will be done by a board of qualified examiners from Ethiopia and abroad. The board shall have minimum three and maximum five members, where at least one of the external examiners is from a reputable university.

Examinations: Oral and written exams, the assessment of assignments, papers and seminars. Instructors shall evaluate their teaching methods continuously through peer review and student evaluation. Moreover, at least once every five years it shall be a requirement to comprehensively evaluate the program, in view of its module/course structure; teaching methods; staff competences; facilities, and outcomes of students' work. However, the self-study and external review processes shall be conducted in regular intervals according to the guidelines for program design and approval of Bahir Dar University.

Publications: Publishing research results by a student and staff will be encouraged. Attendance and presentation of papers at international conferences; workshops, will be actively encouraged and could assist for the quality assurance of the progra

10. Annexes

10.1.

10.2. Module Handbooks

<div> </div> <p style="text-align: center;"> Bahir Dar University Institute of Land Administration Department of Architecture PhD in Urban Planning and Development </p>	
Module Name	Development theories
Module code	01
Total CP of the module	10
Module description	<p>The course on theories of development aims at provoking critical and deeper thinking of PhD. candidates regarding the linkages between development theories and development policies and strategies. The course gives PhD candidates an opportunity to debate on contested meaning of the concept of development and thereby able to contextualize the meaning of development in the light of their own field of studies, i.e. urban planning and development. The course examines development perspectives ranging from classical and neo-classical thoughts to the recent post-modernists' anti-development stands. It specifically deals with Modernization theories, Dependency theories, Neo-liberalism, Gender and Development, empowerment, Sustainable Development, Globalization, and anti-development theories.</p>

Module objectives			<ul style="list-style-type: none">• To assess the concept of development, and the paradigm shifts on development and development theories;• To comprehend how various development theories have influenced policies and strategies for practical interventions towards overcoming underdevelopment and poverty over several decades;• To explore the economic, social, political and environmental problems through the lenses of diverse theories of sustainable development, and• To analyze urban decisions and policy preferences by weighing their implications on economic, social, and environmental facets	
Module competency			Acquired competencies after completion of the module <ul style="list-style-type: none">• Demonstrate and encourage respect for a range of perspectives and ways of knowing• Explain and understand the origins and multiple dimensions of development• Understand how complexity and uncertainty affect urban development• Be able to apply critical and creative thinking to development problems• Be critical about urban decisions and policy preferences by weighing their implications on economic, social, and environmental facets.	
Courses in the Module				
No.	Course code	Course title	Cr. Hrs.	CP
1	URPD1011	Development theories	3	10
Total			3	10



Bahir Dar University
Institute of Land Administration,
Department of Architecture
PhD in Urban Planning and Development

Module Name	Urban studies
Module code	02
Total CP of the module	12
Module description	This module covers to a survey of key concepts, themes, and issues critical to the study of urban conditions. These concepts, themes, and issues will be presented through a series of topics. Urban-related subjects that may be discussed include, but are not limited to: the history of urbanization, urban theory and urban form, housing, and urbanism metabolism etc. The overarching objective is to provide students with the basics of the foundation of urban studies concepts and current urban issues.

Module objectives		<ul style="list-style-type: none">• Comprehend and apply the multidisciplinary nature of urban studies;• Exhibit an introductory knowledge and engage in informed academic discussion of scholarly discourse regarding a selection of topics relevant to the urban environment;• Synthesize, apply, and analyze course themes in the context of contemporary urban areas;• Access and utilize scholarly resources relevant to urban studies to aid in the development of high quality, accurate research• To stimulate students' critical thinking on the roles urban designers and planners play in the transformation process of cities.• To make students aware the origins, history and major traditions in the field of urban form• To make students aware about current debates on urban studies.		
Module competencies		<ul style="list-style-type: none">• Upgrading knowledge of students on urban studies as a tool to understand the city through the analysis of its components• Enhancing analytical and correlative skills of students on the urban analysis• Upgrading the knowledge and skills of students on analyzing cities from different perspectives• Advancing the knowledge and skills of students on the identification of the characters of the built environment and the recognition of the formation and transformation processes of cities		
Courses in the Module				
No.	Course code	Course title	Cr. Hrs.	CP
1	URPD1021	Urban Morphology (Elective)	4(3+1)	12

2	URPD1021	Urban metabolism (Elective)	4(3+1)	12
3	URPD1021	Perspective in sustainable urban development (Elective)	4(3+1)	12
Total			4	12



Bahir Dar University

Institute of land Administration

Department of Architecture

PhD in Urban Planning and development

Module Name	Urban design and housing
Module code	03
Total CP of the module	12
Module description	<p>From the making of ‘good’ streets and other types of public places to the design of housing, from crafting new urban space to reshaping the fabric of urban landscapes, Urban Design and Housing centers on the roles that urban design can play in the changing form of metropolitan regions.</p> <p>This module focuses on the profession and discipline of urban design, emphasizing the shaping of cities and the design of public spaces within urban environments. Students will develop specialized skills for contemporary practice in housing, urban design, and the management of human settlements, with a focus on neighborhood-level design interventions.</p>

Module objectives	<p>The aim of this module is to furnish students with advanced skills and knowledge in urban design and housing, with a particular emphasis on neighborhood-level interventions. By the end of the course, students will be able to:</p> <ul style="list-style-type: none">• Comprehend and apply urban design theories, concepts, and principles.• Understand and implement housing theories and principles to devise housing typologies and neighborhood designs.• Formulate neighborhood layouts that consider economic, social, and environmental factors.• Plan and design holistic housing schemes, including site services and vertical housing, adaptable to different climatic regions.• Conduct detailed analyses of housing typology designs and integrate them with other complex neighborhood elements.• Balance urban renewal and preservation using contemporary urban design strategies.• Engage with new perspectives in urban design, such as virtual cities and community activism.
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Module competency		<ul style="list-style-type: none">• Theoretical Understanding: Grasp urban design and housing theories and principles.• Analytical Skills: Evaluate and integrate economic, social, and environmental factors into neighborhood designs.• Design Proficiency: Create effective and innovative neighborhood layouts and housing schemes.• Technical Skills: Plan and design comprehensive housing projects, including site services and vertical housing.• Project Management: Manage infill, inner-city redevelopment, and new settlement projects using urban design principles.• Critical Thinking: Balance urban renewal with preservation using contemporary strategies.• Adaptability: Apply new urban design perspectives, including virtual cities and community activism.		
Courses in the Module				
No.	Course code	Course title	Cr. Hrs.	CP
1	URPD1041	Urban design and housing	4(3+0)	12
Total			4	12



Bahir Dar University

Institute of land Administration

Department of Architecture

PhD in Urban Planning and development

Module Name	Advanced research methodology and seminar
Module code	04
Total CP of the module	10
Module description	<p>The Advanced Research Methodology and seminar module provides the foundation for research of doctoral research and seminar. The module provides an overview of the various philosophical paradigms including recent developments. How this alignment between the philosophical paradigms (epistemology), research strategies, approaches (or mix of approaches) and instrumentation fits to a particular research context and helps to attain research objectives will be the main concern of this module. The role of literature review in framing the research problem statement and how a rigorous research endeavor will help doctoral research to contribute to the stock of knowledge in a specific area will be elaborated. The module also helps doctoral students how to develop the conceptual framework, theoretical framework and analytical framework of their thesis. Also the seminar allows PhD candidates to investigate a body of knowledge by critically examining its theoretical foundations and evaluating current research, and to use this work to develop solutions to real-world problems.</p>

Module objectives	<ul style="list-style-type: none">• Explain what we mean by research and the different steps of carrying out research• Understand concepts, functions, evolutions and designing qualitative and quantitative research• Recognize techniques of qualitative and quantitative research approaches.• Comprehend how to formulate research proposal.• Clearly explain data acquisition methods and effectively use data collection instruments• Interpret results obtained using a statistical package, as well as critique results reported in professional journals by other researchers.• Clearly understand techniques of thesis report writing.• would contribute to his research topic - dissertation• Identify and explain key issues with respect to urban planning for sustainable development in the Ethiopian context or any other context of African countries;• Examine the prevailing urban planning theories and approaches• Review critically the existing research findings in the field of urban planning and development;• Identify key challenges of urban planning in the national, regional and global context;• Debate on the contemporary planning approaches and development approaches;• Present their findings to their colleagues or other audiences;• Motivated to address multidimensional and practical problems on issues of urban planning;
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Module competency			<ul style="list-style-type: none">• Appreciate how doctoral research contributes to new scientific knowledge• Appreciate the difference and application of conceptual, theoretical and analytical frameworks of research and the role of literature review• Be critical about previous works of research vis-à-vis paradigm-approach- strategy-instrumentation alignment and fit for a particular research problem statement• Able to design the philosophical paradigm-approach- strategy-instrumentation alignment for a specific research context to deal with particular research problem statement• Build a solid foundation of theoretical knowledge and explore how the concepts, constructs, and principles are interrelated in a field of study relevant to the social sciences.• Develop scholarly skills in researching and report writing.• Motivating students to address multidimensional and practical problems on issues of urban planning and development;• Advancing the knowledge and skills of students on the exploring issues of urban planning and development		
Courses in the Module					
No.	Course code	Course title	Cr. Hrs.	CP	
1	URPD 1041	Advanced research methodology	3	10	
2	URPD 1042	Doctoral seminar	3	10	
Total			6	20	



Bahir Dar University

Institute of land Administration

Department of Architecture

PhD in Urban Planning and development

Module Name	Advanced Urban Planning Theory and Practice
Module code	05
Total CP of the module	12
Module description	Advanced urban planning theory, with an emphasis on urban intellectual history, planning theory and practice and critical social theory. It is intended for deepening PhD Scholars theoretical and critical understanding of cities planning and practice, urbanization and spatial development. It covers both classic texts in urban theory and practice, important late 20th and 21st Century writers, and specific themes in urban theory and practices, post-modernism. The goal of the course is to understand not only the substance of the readings, but also the structure and development of their arguments focusing on advanced planning and practice.
Module objectives	<ul style="list-style-type: none"> • Understand the different advanced theories, concepts and planning approaches and their impact on urban development • Understand the need of planning as a tool for urban development and management • Analyze and compare Sustainable Urbanization and Urban Land Use Models • Understand the complexity of dealing with various stakeholders while executing urban projects • Analyze Theories, practices and Concepts to contextualize planning tasks • Critically analyze, argue and Compare theory and practice

	<ul style="list-style-type: none">• understand the life cycle of cities• Create and develop ideas to contribute towards the formulation, implementation and evaluation of urban planning and development policies• Analyze recent approaches to planning and their application in Ethiopian planning system• Compare urban planning approaches, concepts, philosophies and Strategies• Discuss on Planning principles, participants and decision makers in Urban Planning; green Urban Development			
Module competency	<ul style="list-style-type: none">• Understand the need of planning as a tool for urban development and management• Understand the complexity of dealing with various stakeholders while executing urban projects• Analyze Theories, practices and Concepts to contextualize planning tasks• Compare and contrast different planning theories• Create and develop ideas to contribute towards the formulation, implementation and evaluation of urban planning and development policies• Analyze recent approaches to planning and their application in Ethiopia’s planning system• Discuss on Planning principles, participants and decision makers in Urban Planning; green Urban Development			
Courses in the Module				
No.	Course code	Course title	Cr. Hrs.	CP
1	URPD1051	Advanced Urban Planning Theory and practice	4(3+0)	12
Total			4	12



Bahir Dar University

Institute of land administration and surveying

Department of Architecture

PhD in Urban Planning and development

Module Name	Advanced Urban Analysis Tools & Techniques
Module code	06
Total CP of the module	10
Module description	<p>This core course prepares students to analyze quantitative data and mapping used in the practice of urban planning and development. Students become familiar with the sources of data, techniques of data collection, analysis and their relevance to making urban planning decisions. Students will be able to develop skills in the analysis of urban built environment. Students use publicly available data sets and data obtained from communities in the cities and towns as a basis of course inquiry. Several data sources focusing on land uses, transport and other urban issues are examined, including GIS (Geographic Information Systems), census data, community data, and prior plans. Through readings, lectures and studio sessions, students gain knowledge of the skills and tools/techniques that accompany the practice of urban planning. Students are introduced to graphic delineation and mapping and the presentation methods used in planning studies.</p>
Module objectives	<p>The following objectives are addressed in the module</p> <ul style="list-style-type: none"> • Threshold Analysis in Urban Development, Forecasting and Impact Assessment • Cost-Benefit Analysis and Urban Indicators • Urban Land Use Models, Land Use Models: Processes and Practices, Operational Land Use Models and Land Use Model: Lowry Model

	<ul style="list-style-type: none"> • Urban Land Value, Location-Allocation Models, Location of Industries: Alfred Weber Model • Spatial and Thematic Data Base Classification for Urban Analysis, Data- Inventories and Presentation of Physical Data • Data Presentation and Inventories of Demographic, Transportation, Infrastructure, Housing, Industrial, Environment, Tourism and Related Aspects • Data Sources (Primary, Secondary and Electronic) and Surveys, etc., Data Preparation, Compilation and Methodologies/Tools and Techniques • GIS Concepts, GIS Analysis and Modelling • Application Examples in Urban Issues and Case Studies • Introduction to Transport Planning Process, Urban Transport Modes and transport entities • Functional Classification of Highway Systems, Approaches to Transportation Planning, Transportation Surveys, Transport Modelling, Desirable Features of a Transport Model, Travel Demand Modelling, The Four Step Classic Transport Model and Transport Modelling Software
Module competency	<ul style="list-style-type: none"> • Demonstrate urban land use models by using different models; • Examine urban planning techniques and policies of different countries; • Compute cost benefits in urban planning and urban indicators; • Identify Spatial and Thematic Data Base Classification for Urban Analysis as well urban planning and development researches • Demonstrate the application of GIS in in Urban

	<p>Planning and Development;</p> <ul style="list-style-type: none">• Evaluate Operational Land Use Models and Land Use Model: Lowry Model• Understand Functional Classification of Highway Systems and Approaches to Transportation Planning• Develop Skills of GIS Analysis and Modeling			
Courses in the Module				
No.	Course code	Course title	Cr. Hrs.	CP
	URPD1061	Advanced Urban Analysis Tools & Techniques	3(3+0)	10
Total			3	10



Bahir Dar University

Institute of Land Administration

Department of Architecture


PhD in Urban Planning and Development

Module Name	Dissertation
Module code	07
Total CP of the module	12
Module description	<p>PhD candidates whose PhD Proposals have been approved by the Doctoral Council are expected to complete their dissertation within two and years" time. The PhD dissertation, which is to be conducted as per the approved research proposal, gives the PhD candidate the chance to apply a scientific research method in a specific area related to urban and Planning and Development. It is thus expected to have both academic and practical significance, i.e., both to create new knowledge from inter- disciplinary perspective as well as to have a policy relevance that will contribute towards the dynamic socio-economic changes at the local, regional and national levels. Additional subject matter- and methodology- related seminars will be organized to introduce to and familiarize doctoral PhD candidates to the state-of-the-art paradigms and research approaches, whilst colloquia will be organized on a regular basis to provide opportunities for PhD candidates to present and discuss the progress of their PhD dissertation. PhD candidates will benefit much from feedback to be obtained in the seminars and colloquia in addition to the guidance and assistance they</p>

	get from their main supervisor and co-supervisor
Module objectives	<p>The following objectives are addressed in the module</p> <ul style="list-style-type: none"> • To cultivate the interest of a candidate to be competent of producing an independent; integrative and scientific research work/ dissertation that lead the candidate to be rewarded of a PhD Degree in Urban planning and development.
Module competency	<ul style="list-style-type: none"> • Effectively apply scientific research methods in developing research proposals as well as executing research projects as per approved proposals or research guidelines; • Search, locate and access relevant academic and empirical literature from university, public and institutional libraries and the internet; • Independently conduct inter-disciplinary research on a relevant topic which will contribute to new knowledge generation, has policy relevance and meets the needs of the industry; • Produce an original and publishable research in a practical aspect of urban and regional research; • Properly and adequately present and defend research findings and recommendations in the presence of professionals in the field and/or other stakeholders; and • Demonstrate strong academic integrity (research ethics) including dedication to knowledge generation and sharing, proper acknowledgement of sources (avoidance of plagiarism), openness in providing and accepting criticisms.
Courses in the Module	

No.	Course code	Course title	Cr. Hrs.	CP
1	URPD1071	Dissertation	12	120
Total			12	120

10.3. Course Handbooks

<div></div> <div>Bahir Dar University Institute of Land Administration Department of Architecture PhD in Urban Planning and Development</div>					
Course Title	Development theories				
Course Code	URPD1011				
PhD Program	Urban Planning and Development				
Module Name	Development theories				
Module No.	01				
Course Chair	Urban planning and housing Chair				
	Office location:				
	Mobile:		e-mail:		
	Consultation Hours:				
Instructor/Tutor	TBA				
	Office location:				
	Mobile:		e-mail:		
	Consultation Hours:				
ECTS Credits (CP)	10				
Contact Hours (per semester)	Lecture	Tutorial	Lab/Practical	Home Study	Total
	48	0	0	224	272
Lecture days, Hours & Room:					
Tutorial/Lab days & Hours					
Target Group:	PhD in Urban Planning and Development				
Year /Semester	Year 1 Semester I				
Pre-requisites	None				

Status of the course	Compulsory
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COURSE DESCRIPTION

The course on theories of development aims at provoking critical and deeper thinking of PhD. candidates regarding the linkages between development theories and development policies and strategies. The course gives PhD candidates an opportunity to debate on contested meaning of the concept of development and thereby able to contextualize the meaning of development in the light of their own field of studies, i.e. urban planning and development. The course examines development perspectives ranging from classical and neo-classical thoughts to the recent post-modernists' anti-development stands. It specifically deals with Modernization theories, Dependency theories, Neo-liberalism, Sustainable Development, Globalization, and anti-development theories.

COURSE OBJECTIVE

The overall objective of the course is to introduce students with the concept of development focusing in the following specific topics:

- To assess the concept of development, and the paradigm shifts on development and development theories;
- To comprehend how various development theories have influenced policies and strategies for practical interventions towards overcoming underdevelopment and poverty over several decades;
- To explore the economic, social, political and environmental problems through the lenses of diverse theories of sustainable development, and
- To analyze urban decisions and policy preferences by weighing their implications on economic, social, and environmental facets

METHOD OF TEACHING

Interactive lecture, seminars, guided review of articles, essays, field visit

ASSESSMENT METHODS

Preparation and submission of practical exercises which may be used as an input to the research proposal of the candidate on the research thematic subjects. Seminar paper and classroom

presentation. The assessment methods to be employed help to improve scholarly communication of doctoral students through students' seminar. Doctoral students are expected to achieve a minimum of B grades.

GRADING

Grading will be done as per the university's regulation

COURSE POLICY

Students are expected to attend classes regularly. Students that do not attend 85% of the classes will not sit for the final exam. Students are urged to be in lecture room, laboratory or field work at least 5 minutes before the starting time of the lecture, laboratory or field work. Cell phones must be turned off during lecture hours, laboratory works and field works. Students are obliged to behave properly. Smoking, chewing chat and insulting each other during class hours is strictly forbidden. Students have to wear formal clothes and attires during classes.

REFERENCES

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Approved

Name of Instructor/Tutor

Signature

Name of Course Chair

Signature

Postgraduate Coordinator

Signature



Bahir Dar University
Institute of Land Administration,
Department of Architecture
PhD in Urban Planning and Development

PhD in Urban Planning and Development					
Course Title	Morphology of cities				
Course Code	URPD1021				
PhD Program	Urban planning and Development				
Module Name	Urban studies				
Module No.	02				
Course Chair	Urban planning and housing Chair				
	Office location:				
	Mobile:				
	Consultation Hours:				
Instructor/Tutor	TBA				
	Office location:				
	Mobile:		e-mail:		
	Consultation Hours:				
ECTS Credits (CP)	12				
Contact Hours (per semester)	Lecture	Tutorial	Lab/Practical	Home Study	Total
	64	0	16	206	286
Lecture days, Hours & Room:					
Tutorial/Lab days & Hours					
Target Group:	PhD in Urban planning and Development				
Year /Semester	Year 1 Semester I				
Pre-requisites	None				
Status of the course	Compulsory				

COURSE DESCRIPTION

This course covers theories about the form that settlements should take and attempts a distinction between descriptive and normative theory by examining examples of various theories of city form over time. The course aims to teach a method of reading the built landscape through the knowledge of the forming processes common to urban fabrics and buildings. The course deals on the examination of the physical and social form of cities.. The course discusses the evolution of African cities (strong emphasis given to Ethiopian cities), the way their morphology developed and transformed and the influence of international trends in this transition. Topics are categorized into four sections. The first examines the nature of city form theory through examples of traditional attempts to explain how cities perform, and selected systematic claims on city form theory. The second section focuses on the modern city from its genesis and discusses in detail the inventions that created it and the basis of the contemporary city. . Case studies will highlight the origins of the modern city and theories about its emerging form, including the transformation of the nineteenth-century city and its organization. The third section attempts to build on the previous sections by concentrating on current theory and practice, in particular on city form process, spatial and social structure, and form models through examples and historical context, current issues of city form in relation to city-making, social structure, and physical design will also be discussed and analyzed. The last section deals on the methods of urban morphological analysis.

COURSE OBJECTIVE

The overall objective of the course is to teach students about morphology of cities. At the end of this course the students will be able to:

- ♦ Understand the social, economic, political and cultural factors that gave rise to birth of cities
- ♦ Acquire basic knowledge of urban morphology as a tool to understand the city through the analysis of its components.
- ♦ Stimulate critical thinking on the roles planners play in the transformation process of cities.
- ♦ Identify analytical and correlative skills applied to the urban form;
- ♦ Aware current debates and measures on urban morphology
- ♦ Hierarchize and classify city components in a structured way

METHOD OF TEACHING

Introductory lectures, group discussions, assignment, presentation and individual readings will be implemented to deliver the course.

ASSESSMENT METHODS

Assessment methods including, assignments and their presentations will be used.

- ♦ Laboratory/practical reports
- ♦ Assignments and/or reviews and their presentations

GRADING

Grading will be done as per the university's regulation.

COURSE POLICY

Students are expected to attend classes regularly. Students that do not attend 85% of the classes will not sit for the final exam. Students are urged to be in lecture room, laboratory or field work at least 5 minutes before the starting time of the lecture, laboratory or field work. Cell phones must be turned off during lecture hours, laboratory works and field works. Students are obliged to behave properly. Smoking, chewing chat and insulting each other during class hours is strictly

forbidden. Students have to wear formal clothes and attires during classes.

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Approved

Name of Instructor/Tutor

Signature

Name of Course Chair

Signature

Postgraduate Coordinator

Signature



Bahir Dar University
Institute of Land Administration,
Department of Architecture
PhD in Urban Planning and Development

Course Title	Urban metabolism				
Course Code	URPD1021				
PhD Program	Urban planning and Development				
Module Name	Urban studies				
Module No.	02				
Course Chair	Urban planning and housing Chair				
	Office location:				
	Mobile:				
	Consultation Hours:				
Instructor/Tutor	TBA				
	Office location:				
	Mobile:		e-mail:		
	Consultation Hours:				
ECTS Credits (CP)	12				
Contact Hours (per semester)	Lecture	Tutorial	Lab/Practical	Home Study	Total
	64	0	16	206	286
Lecture days, Hours & Room:					
Tutorial/Lab days & Hours					
Target Group:	PhD in Urban planning and Development				
Year /Semester	Year 1 Semester I				
Pre-requisites	None				
Status of the course	Compulsory				

COURSE DESCRIPTION

The interrelation of problems of social, economic and environmental issues when it comes planning of urban/town settings; the production and management of our environment spread in different areas. Different and practical views of planning in addressing the problem of lack - or in some cases, resource depletion; new ways of thinking about the complex interactions between buildings, cities and the socio-ecological crossing; concepts and approaches to the planning of smart urban infrastructure, decentralized networks of energy, food production & distribution, information and transportation etc..

COURSE OBJECTIVE

The overall objective of the course is to teach students about urban metabolism. At the end of this course the students will be able to:

- ♦ The course aims students to understand and conceptualize about the complex interactions between buildings, cities and the socio-ecological crossing hence, acquire the knowledge and skills as to how to develop new ways of thinking when it comes the planning of a neighborhood.
- ♦ Acquire basic knowledge of urban metabolism as a tool to understand the city through the analysis of its components.
- ♦ Stimulate critical thinking on the roles planners play in the transformation process of cities.

METHOD OF TEACHING

Introductory lectures, group discussions, assignment, presentation and individual readings will be implemented to deliver the course.

ASSESSMENT METHODS

Assessment methods including, assignments and their presentations; Laboratory/practical reports
Assignments and/or reviews and their presentations

GRADING

Grading will be done as per the university's regulation.

COURSE POLICY

Students are expected to attend classes regularly. Students that do not attend 85% of the classes will not sit for the final exam. Students are urged to be in lecture room, laboratory or field work

at least 5 minutes before the starting time of the lecture, laboratory or field work. Cell phones must be turned off during lecture hours, laboratory works and field works. Students are obliged to behave properly. Smoking, chewing chat and insulting each other during class hours is strictly forbidden. Students have to wear formal clothes and attires during classes.

REFERENCES

- Brunner P., Rechberger, H. Handbook of Material Flow Analysis For Environmental, Resource, and Waste Engineers, Second Edition, CRC Press 2020
- Baccini, P., Brunner P., Metabolism of the Anthroposphere - Analysis, Evaluation, Design. The MIT Press, Cambridge, Massachusetts, 2012
- EUROSTAT, Economy-wide material flow accounts handbook, 2018

Approved

Name of Instructor/Tutor

Signature

Name of Course Chair

Signature

Postgraduate Coordinator

Signature



Bahir Dar University
Institute of Land Administration
Department of Architecture
PhD in Urban Planning and Development

Course Title	Perspectives in sustainable urban development				
Course Code	URPD1021				
PhD Program	Urban Planning and Development				
Module Name	Urban studies				
Module No.	02				
Course Chair	Urban planning and housing Chair				
	Office location:				
	Mobile: e-mail:				
	Consultation Hours:				
Instructor/Tutor	TBA				
	Office location:				
	Mobile: e-mail:				
	Consultation Hours:				
ECTS Credits (CP)	12				
Contact Hours (per semester)	Lecture	Tutorial	Lab/Practical	Home Study	Total
	64	0	16	206	286
Lecture days, Hours & Room:					
Tutorial/Lab days & Hours					
Target Group:	PhD in Urban Planning and Development				
Year /Semester	Year 1 Semester I				
Pre-requisites	None				
Status of the course	Compulsory				

COURSE DESCRIPTION

Perspectives in Sustainable Urban Development is a course designed to provide doctoral students a holistic perspective to study and analyze urban issues covering the three facets of sustainable urban development, namely economic, social, and environment. It also covers the role of Information and communication technology in sustainable urban development and smart city approaches.

The course introduces the sustainable development goals as stated in the United Nations 2030 Agenda for Sustainable Development, and the New Urban Agenda of the United Nations (2015) Habitat III, as a prelude to the main courses. In order to provide multiple perspectives the course introduces the different paradigms in economics, the social dimensions of sustainable development and the livelihood approach, ecosystem services, environmental justice and climate change, the theory of complexity and systems thinking.

Furthermore, it helps doctoral students to weigh and address the consequences or impacts of their analysis results, conclusion and recommendation on other facets of sustainable urban development while focusing on their specific specialized area.

COURSE OBJECTIVE

The overall objective of the course is to introduce students with the three facets of sustainable urban development focusing in the following specific topics:

- UN - The Sustainable Development Goals, The New Urban Agenda and the City Property Initiative
- The concept of sustainability
- The social perspective of sustainability
- Overview of economic paradigm and their epistemological premise
- Eco system services
- Climate change and sustainable development
- Cities as complex adaptive systems
- Smart cities

METHOD OF TEACHING

Interactive lecture, seminars, guided review of articles, essays, field visit

ASSESSMENT METHODS

Assessment method of the module is based on continuous assessment method which includes four assessments, namely: test, student seminar, oral examination, and written final exam.

The assessment methods to be employed help to improve scholarly communication of doctoral students

through students' seminar and oral examination. Doctoral students are expected to achieve a minimum of B grades. Questions and assignments need to be contributions from co-teaching instructors for different facets of sustainable development and marked jointly to best verify the assessment.

The mark weight for each assessment method is 40% for the final written exam and the rest taking 20% each.

GRADING

Grading will be done as per the university's regulation

COURSE POLICY

Students are expected to attend classes regularly. Students that do not attend 85% of the classes will not sit for the final exam. Students are urged to be in lecture room, laboratory or field work at least 5 minutes before the starting time of the lecture, laboratory or field work. Cell phones must be turned off during lecture hours, laboratory works and field works. Students are obliged to behave properly. Smoking, chewing chat and insulting each other during class hours is strictly forbidden. Students have to wear formal clothes and attires during classes.

REFERENCES

- **Boone Christopher G., and MichailFragkias** (eds) (2013) Urbanization and sustainability: Linking Urban ecology, environmental justice and global environmental change
- **Boschama A. Ron, and Frenken Koen** (2006) Why is economic geography not an evolutionary science? Toward an evolutionary economic geography, *Journal of Economic Geography* 6 (2006) pp. 273-302
- **Clark Charles MA** (2010) Practical wisdom and Understanding the economy, *The Journal of Management Development*, Vol 29 No. 7/8: 678-685, Emerald Group Publishing Limited
- **Cohen Barney** (2006) urbanization in developing countries: current trends, future projections, and key challenges for sustainability, *technology in society* 28 (2006)63-80
- **Dempsey Nicola et al.** (2011) The social dimension of sustainable development: defining urban social sustainability, *sustainable development, sust. Dev.* 19, 289 -300 (2011) Wiley Online library
- **Furubotn, E.G. and Richter, R.** (1997), Institutions and Economic Theory: The Contribution of the New Institutional Economics, University of Michigan Press, Ann Arbor
- **Ghosh Somita** (2006) indications from urban sustainability indicators; *Journal of urban design*, 11-2, Routledge pp 263-275
- **Kahneman Daneil**, A Psychological perspective on economics, *Views of economics from neighboring social sciences* Vol 93:2, pp162-168
- **Krugman P.** (2010), The new economic geography: now middle-aged, paper prepared for presentation to the Association of American Geographers, April 16, 2010

- **North, Douglass C.** (1990), Institutions, Institutional Change and Economic Performance, Cambridge University Press, New York, the United States of America **Rakodi, C.** (1999), A capital assets framework for analysing household live-lihood strategies: implications for policy, Development Policy Review, Vol. 17 (1999), pp. 315- 342, Blackwell Publishers, UK, USA [journal]
- **Rakodi, c.** (2002), urban livelihoods, a people-centred approach to reduce poverty, earth scan, london
- **Pickett et al.**(2013) Ecology, and environmental justice, understanding disturbance using ecological theory in Boone Christopher G. &MichaisFragkias (eds) Urbanization and sustainability: linking urban ecology, environmental justice and global environmental change, Springer

Approved

Name of Instructor/Tutor

Signature

Name of Course Chair

Signature

Postgraduate Coordinator

Signature



Bahir Dar University
Institute of Land Administration
Department of Architecture
PhD in Urban Planning and Development

Course Title	Urban design and housing				
Course Code	URPD1031				
PhD Program	Urban Planning and Development				
Module Name	Urban design and housing				
Module No.	03				
Course Chair	Urban planning and Housing Chair				
	Office location:				
	Mobile:		e-mail:		
	Consultation Hours:				
Instructor/Tutor	TBA				
	Office location:				
	Mobile:		e-mail:		
	Consultation Hours:				
ECTS Credits (CP)	10				
Contact Hours (per semester)	Lecture	Tutorial	Lab/Practical	Home Study	Total
	48	0	0	224	272
Lecture days, Hours & Room:					
Tutorial/Lab days & Hours					
Target Group:	PhD in Urban Planning and Development				
Year /Semester	Year 1 Semester I				
Pre-requisites					
Status of the course	Compulsory				

COURSE DESCRIPTION

Urban design is the profession and discipline concerned with the shaping of cities and design of public spaces in the urban environment. The course enables students to develop specialized skills for contemporary practice in housing, urban design, and the management of human settlements and it will focus on neighborhood-level design interventions. The first section will introduce the concepts and theories of urban design. The second section will introduce the concepts and theories of urban housing and the basic Element of neighborhood design including economic, social, environmental and housing typology design, Cluster design, Neighborhood Blocks/Super Blocks, Open Spaces, road network and infrastructure, neighborhood land use and services provision. The third section will be studio project on neighborhood planning and design. The studio will explore infill, inner city redevelopment and new settlement developments using the concepts and theories of urban design and housing. In detail analysis of from housing typology design, to incorporation of all other complex elements of a neighborhood will be explored. Procedure for Planning and Design of Housing Including Site and Services Schemes and Vertical Housing; Layout Patterns, Housing Types and their Suitability for Various Climatic Regions will be explored in the studio.

COURSE OBJECTIVE

The overall objective of the course is to teach students about urban design and housing. At the end of this course the students will be able to:

The objective of the course is to enable students to design a neighborhood within an urban context using theories and concepts of urban design and housing.

- understand and develop scenarios, mechanism for housing projects
- Understand Housing layout patterns with facilities and services
- Designing of a housing scheme

COURSE CONTENT

Part 1: Introduction to urban design and housing

- Urban design theories concepts and principles
- Housing theories and concepts and principles

Part 2: Changing Cities by Designing New Ones

- Urban Utopias
- Ebenezer Howard's Garden City
- Le Corbusier's Radiant City

Part 3: Changing Cities by Extending Them - Designing Suburbs and Regions

- The Suburbs Part I: The Origins and Growth of Suburbs
- The Suburbs Part II: Rethinking American Suburbs
- Shaping Private Development/Growth Management

Part 4: Changing Cities by Redesigning Their Centers

- Urban Renewal and its Critics
- The balance of preservation and renewal

Part 4: new perspectives

- Landscape, the Environment and the City
- The Rise of Community Activism
- Virtual city
- The Secure City

METHOD OF TEACHING

Interactive lecture, guided jig-saw peer learning, induction, group presentation, demonstration, blended learning

ASSESSMENT METHODS

The assessment will be prepared in a way that it answers the outcomes formulated. Assessment method of the course is based on continuous assessment method which includes: student seminar and oral examination. The assessment methods to be employed help to improve scholarly communication of doctoral students through students' seminar and oral examination. Doctoral students are expected to achieve a minimum of B grades. Questions and assignments need to be contributions from co-teaching instructors for different facets of Planning Theory and Practice and marked jointly to best verify the assessment.

GRADING

Grading will be done as per the university's regulation.

COURSE POLICY

Doctoral students have responsibility to attend a minimum of 90% of the classes and sit for all tests, exams and respond to all assignments. Group work assignments might not be repeated. Therefore, students are advised not to miss group work assignments. Force majeure cases might be considered for individual assignments if substantiated by acceptable evidence.

Students are urged to be in lecture room, laboratory or field work at least 5 minutes before the starting time of the lecture, laboratory or field work. Cell phones must be turned off during lecture hours, laboratory works and field works. Students are obliged to behave properly. Smoking, chewing chat and insulting each other during class hours is strictly forbidden. Students have to wear formal clothes and attires during classes.

REFERENCES

- **"The Death and Life of Great American Cities" by Jane Jacobs:** Vital for understanding vibrant urban communities and their dynamics.
- **"The Image of the City" by Kevin Lynch:** Discusses how people perceive and navigate urban environments.
- **"A Pattern Language" by Christopher Alexander:** Comprehensive design principles for architecture, urban design, and community living.
- **"The City of Tomorrow and Its Planning" by Le Corbusier:** Modernist ideas and visions for urban planning and architecture.
- **"Towards a New Architecture" by Le Corbusier:** Principles of modernist architecture and urban planning.

- **"The Urban Design Reader"** edited by **Michael Larice and Elizabeth Macdonald**: Essential readings in urban design theory and practice.
- **"Good City Form"** by **Kevin Lynch**: Examines qualities that make cities functional and delightful.
- **"The Housing Design Handbook: A Guide to Good Practice"** by **David Levitt and Jo McCafferty**: Practical guidance on housing design, featuring numerous case studies.
- **"Housing and Urbanization"** by **Charles Correa**: Insights into housing policies and urban planning from a global perspective.
- **"Designing High Density Cities for Social and Environmental Sustainability"** edited by **Edward Ng**: Focuses on the challenges and strategies for high-density urban living.

Approved

Name of Instructor/Tutor

Signature

Name of Course Chair

Signature

Postgraduate Coordinator

Signature



Bahir Dar University
Institute of Land Administration
Department of Architecture
PhD in Urban Planning and Development

Course Title	Advanced research methodology				
Course Code	URPD1041				
PhD Program	Urban Planning and Development				
Module Name	Advanced research methodology and seminar				
Module No.	03				
Course Chair	Urban planning and Housing Chair				
	Office location:				
	Mobile:		e-mail:		
	Consultation Hours:				
Instructor/Tutor	TBA				
	Office location:				
	Mobile:		e-mail:		
	Consultation Hours:				
ECTS Credits (CP)	10				
Contact Hours (per semester)	Lecture	Tutorial	Lab/Practical	Home Study	Total
	48	0	0	224	272
Lecture days, Hours & Room:					
Tutorial/Lab days & Hours					
Target Group:	PhD in Urban Planning and Development				
Year /Semester	Year 1 Semester II				
Pre-requisites					

Status of the course	Compulsory
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COURSE DESCRIPTION

The Advanced Research Methodology course provides the foundation for the epistemological and ontological aspects of doctoral research. The course provides an overview of the various philosophical paradigms including recent developments. How this alignment between the philosophical paradigms (epistemology), research strategies, approaches (or mix of approaches) and instrumentation fits to a particular research context and helps to attain research objectives will be the main concern of this course. The role of literature review in framing the research problem statement and how a rigorous research endeavor will help doctoral research to contribute to the stock of knowledge in a specific area will be elaborated. The course also helps doctoral students on how to develop the conceptual framework, theoretical framework and analytical framework of their thesis

COURSE OBJECTIVE

The overall objective of the course is to advance the students' knowledge on research methodology focusing in the following specific topics:

- Research paradigm: Epistemological and ontological assumptions of knowledge
- The philosophical paradigms in research – positivism and constructivism/ interpretivist & variants
- The theory building cycle – deductive, inductive approaches
- Anomaly and the emergence of scientific theories
- Conceptualizing methodology – methodology and methods
 - Qualitative methodology and Methods
 - Quantitative methodology and methods
 - Mixed methodology and methods
- Overview of research strategies
- The philosophical paradigm- approach-strategy-instrumentation alignment
- Group presentation of Case analysis of previous research
- Conceptual, theoretical, and analytical Frameworks of research & the role of literature review
- Structure of doctoral dissertation

METHOD OF TEACHING

Interactive lecture, guided jig-saw peer learning, induction, group presentation, demonstration, blended learning

ASSESSMENT METHODS

The assessment will be prepared in a way that it answers the outcomes formulated. Assessment method of the course is based on continuous assessment method which includes: student seminar and oral examination. The assessment methods to be employed help to improve scholarly communication of doctoral students through students' seminar and oral examination. Doctoral students are expected to achieve a minimum of B grades. Questions and assignments need to be contributions from co-teaching instructors for different facets of Planning Theory and Practice and marked jointly to best verify the assessment.

GRADING

Grading will be done as per the university's regulation.

COURSE POLICY

Doctoral students have responsibility to attend a minimum of 90% of the classes and sit for all tests, exams and respond to all assignments. Group work assignments might not be repeated. Therefore students are advised not to miss group work assignments. Force majeure cases might be considered for individual assignments if substantiated by acceptable evidence.

Students are urged to be in lecture room, laboratory or field work at least 5 minutes before the starting time of the lecture, laboratory or field work. Cell phones must be turned off during lecture hours, laboratory works and field works. Students are obliged to behave properly. Smoking, chewing chat and insulting each other during class hours is strictly forbidden. Students have to wear formal clothes and attires during classes.

REFERENCES

- **Bryman, Alan** (2008) Social research methods (3rd edition), Oxford University Press
- **Bryman, Alan** (1992) Quantitative and qualitative research: Further reflections on their integration, in J. Brannen (ed.), mixing methods: qualitative and quantitative research, Aldershot, Avebury
- **Eisehardt, K. M.** (1989), „Building theory from case study research“, The Academy of Management Review, Vol. 14, No. 4. (Oct., 1989), pp. 532-550
- **Eisenhardt, K. M., and Graebner M. E.** (2007), „Theory building from case: opportunities and challenges“, The Academy of Management Review, Vol. 50, No. 1, (Feb. 2007), pp. 25-32

- **Jonker Jan and BartjanPennink** (2010), The essence of research methodology, Springer-Verlag Berlin Heidelberg
- **Khun Thomas S.** (1970) The structure of scientific revolutions, University of Chicago, USA

Approved

Name of Instructor/Tutor

Signature

Name of Course Chair

Signature

Postgraduate Coordinator

Signature



Bahir Dar University
Institute of land administration and surveying
Department of Architecture
PhD in Urban Planning

Course Title	Advanced Urban Planning Theory and practice				
Course Code	URPD1041				
PhD Program	Urban Planning and Development				
Module Name	Advanced Urban Planning Theory and practice				
Module No.	04				
Course Chair	Urban planning and Housing chair				
	Office location:				
	Mobile: e-mail:				
	Consultation Hours:				
Instructor/Tutor	TBA				
	Office location:				
	Mobile: e-mail:				
	Consultation Hours:				
ECTS Credits (CP)	12				
Contact Hours (per semester)	Lecture	Tutorial	Lab/Practical	Home Study	Total
	64	0	0	224	288
Lecture days, Hours & Room:					
Tutorial/Lab days & Hours					
Target Group:	PhD in Urban Planning and Development				
Year /Semester	Year 1 Semester II				
Pre-requisites	No Prerequisite				
Status of the course	Compulsory				

COURSE DESCRIPTION

The content of the Course broadly contains Contemporary Urban Planning and its Dynamics, Urban Systems and Growth of Cities in both of the Developing and developed World, Urban Planning Responses to City Growth and Development in Modernist and Post-Modernist Planning, Sustainable Urbanization Urban Land Use Models, Community Participation in Urban Planning and Anti-Planning Debate: Major Arguments, Poverty and Urban Planning, Urban Planning Approaches, Urban Economic Development Planning, Planning and Politics, and The Future of Cities and Planning and Urban Planning Practices in Ethiopia

COURSE OBJECTIVE

In this Course, students are given appropriate tasks that are believed to translate theories into practice, skills and can also stretch their scope of thinking. The following topics ought to be the objectives of this course;

METHOD OF TEACHING

Discussion, lecture, demonstration, teamwork, presentation, Excursion

ASSESSMENT METHODS

Assessment method of the course is based on continuous assessment method which includes: student seminar and oral examination. The assessment methods to be employed help to improve scholarly communication of doctoral students through students' seminar and oral examination. Doctoral students are expected to achieve a minimum of B grades. Questions and assignments need to be contributions from co-teaching instructors for different facets of Planning Theory and Practice and marked jointly to best verify the assessment.

GRADING

Grading will be done as per the university's regulation

COURSE POLICY

Doctoral students have responsibility to attend a minimum of 90% of the classes and sit for all tests, exams and respond to all assignments. Group work assignments might not be repeated. Therefore students are advised not to miss group work assignments. Force majeure cases might be considered for individual assignments if substantiated by acceptable evidence.

Students are urged to be in lecture room, laboratory or field work at least 5 minutes before the starting time of the lecture, laboratory or field work. Cell phones must be turned off during lecture hours, laboratory works and field works. Students are obliged to behave properly. Smoking, chewing chat and insulting each other during class hours is strictly forbidden. Students have to wear formal clothes and attires during classes.

REFERENCES

- Lin and Mele (eds.), The Urban Sociology Reader (Routledge).2nd edition, 2012. [Note: the first edition contains many but not all of the readings in the second edition]*
- Simon Parker,2010 Urban Theory and the Urban Experience: Encountering the City (Routledge). [optional - a very useful, concise companion to urban theory]* Castells, Manuel, **The Castells Reader on cities and social theory** (Blackwell/Wiley)
- *Jacobs, Jane, 1961,The Death and Life of Great American Cities, Random House, New York.*
 - *Campbell.S and FainsteinS.S, 2007, Readings in Planning Theory, Blackwell publishing, Oxford.*
 - *Marshall, Stephen. 2009. Cities design and evolution. Abingdon, Oxon ; New York, NY: Routledge.*
 - *Fainstein, Susan S. 2010. The Just City. Cornell University Press. Sennett, Richard. 1994. Flesh and stone : the body and the city in Western civilization. 1st ed. New York: W.W. Norton.*
 - *Jacobs, Jane. 1969. The Economy of Cities. New York: Vintage Press.*
 - *Saunders, Peter. "The Urban as an Ecological Community," in Social Theory and the Urban Question. London: Hutchinson & Co. 1981, pp. 48-79. Parker, Simon, Urban Theory and the Urban Experience: Encountering the City (Routledge). Ch. 3.*
 - *Lynch, Kevin. 1974. The Pattern of the Metropolis. In An urban world, edited by C. Tilly. Boston,: Little Brown.*
 - *Beauregard, R. and Body-Gendrot, S. (Eds.) ,1999, The urban Moment: Cosmopolitan Essays on the late-20th-century city, Sage Publications, London.*
 - *Brooks, M. 2002, Planning Theory for Practitioners, Planners Press, Washington D.C.*
 - *Castells, Manuel. 2002, The Castells Reader on Cities and Social Theory, Blackwell.*
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- Stein M.J, 1995, *Classic Readings in Urban Planning*, McGraw-Hill, New York.
- Knox, P.L, McCarthy, L, 2005, *Urbanization*, Upper saddle River, New Jersey.
- Brebbia, C.A, et.al, 2002, *Sustainable City II; Urban Regeneration and Sustainability*, Witpress, Southampton.
- Knox and Pinches', 2000, *Urban Social Geography; an Introduction*, Pearson Education Ltd, Essex.
- Zijderveld, A.C, 1998, *a Theory of Urbanity, the Economic and Civic Culture of Cities*, Transaction Publishers, New Jersey.
- Mitchell, Timothy. 2002. **Rule of experts: Egypt, techno-politics, modernity**. Berkeley: University of California Press. Comments/links: • berry viewer - full text (Chapter 3: The Character of Calculability, pp. 80-119).
- Robinson, Jennifer. 2006. **Ordinary cities: between modernity and development**. London; New York: Routledge. (Introduction, Chs. 1, 2, 4).
- Scott, James. **Seeing Like a State** (Chapter 3. Authoritarian High Modernism; see also Ch. 2: Cities, People and Language). ebrary viewer - full text

Watson, Vanessa. 2002. *The Usefulness of Normative Planning Theories in the Context of Sub-Saharan Africa*. **Planning Theory** 1 (1):27-52.

Approved

Name of Instructor/Tutor

Signature

Name of Course Chair

Signature

Postgraduate Coordinator

Signature



Bahir Dar University
Institute of land administration and surveying
Department of Architecture
PhD in Urban Planning

Course Title	Advanced Urban Analysis Tools & Techniques				
Course Code	URPD1051				
PhD Program	Urban Planning				
Module Name	Advanced Urban Analysis Tools & Techniques				
Module No.	05				
Course Chair	Urban planning and housing chair				
	Office location:				
	Mobile:		e-mail:		
	Consultation Hours:				
Instructor/Tutor	TBA				
	Office location:				
	Mobile:		e-mail:		
	Consultation Hours:				
ECTS Credits (CP)	10				
Contact Hours (per semester)	Lecture	Tutorial	Lab/Practical	Home Study	Total
	48	0	0	224	272
Lecture days, Hours & Room:					
Tutorial/Lab days & Hours					
Target Group:	PhD in Urban Planning and Development				
Year /Semester	Year 1 Semester II				
Pre-requisites	URPD1051				
Status of the course	Compulsory				

COURSE DESCRIPTION

This Course has four credit hours. The content of this Course broadly contains overall means on Advanced Urban Analysis Tools & Techniques. The focuses of the discussion in this course will be based on the chapters under the first Course

Therefore, in this Course, students are provided with sufficient tasks that are believed to translate theories into practice, skills and can also stretch your scope of thinking.

COURSE OBJECTIVE

- Course focus, Term Papers“ Topic and Terms of Reference, Nature of Evaluation and Schedules, and Explanations on the Danger of Plagiarism.
- Threshold Analysis in Urban Development
- Forecasting and Impact Assessment
- Cost-Benefit Analysis and Urban Indicators
- Urban Land Use Models; Land Use Models: Processes and Practices,
- Operational Land Use Models and Land Use Model: Lowry Model
- Urban Land Value and Location-Allocation Models
- Location of Industries: Alfred Weber Model
- Spatial and Thematic Data Base Classification for Urban Analysis, Data- Inventories and Presentation of Physical Data
- Data Presentation and Inventories of Demographic, Transportation, Infrastructure, Housing, Industrial, Environment, Tourism and Related Aspects
- Data Sources (Primary, Secondary and Electronic) and Surveys, etc.
- Data Preparation, Compilation and Methodologies/Tools and Techniques
- GIS Concepts
- GIS Analysis and Modelling
- GIS for Land use Planning
- Application Examples in Urban Issues, Case Studies
- Introduction to Transport Planning Process ,Urban Transport Modes, Transport Entities
- Functional Classification of Highway Systems and Approaches to Transportation Planning
- Transportation Surveys and Transport Modelling
- Desirable Features of a Transport Model and
- Travel Demand Modelling

- The Four Step Classic Transport Model and Transport Modelling Software

METHOD OF TEACHING

Interactive lecture, induction on procedures, Skills based workshops, Practical sessions in computer lab (urban lab), peer group learning. Mode of delivery can be *Face-To-Face, Blended Learning, E-Learning, review, student seminar*.

ASSESSMENT METHODS

Assessment method of the module is based on continuous assessment method which includes four assessment methods, namely: student seminar and oral examination.

The assessment methods to be employed help to improve scholarly communication of doctoral students through students' seminar and oral examination. Doctoral students are expected to achieve a minimum of B grades. Questions and assignments need to be contributions from co-teaching instructors for different facets of Planning Theory and Practice and marked jointly to best verify the assessment.

GRADING

Grading will be done as per the university's regulation.

COURSE POLICY

Doctoral students have responsibility to attend a minimum of 90% of the classes and sit for all tests, exams and respond to all assignments. Group work assignments might not be repeated. Therefore students are advised not to miss group work assignments. Force majeure cases might be considered for individual assignments if substantiated by acceptable evidence.

Students are urged to be in lecture room, laboratory or field work at least 5 minutes before the starting time of the lecture, laboratory or field work. Cell phones must be turned off during lecture hours, laboratory works and field works. Students are obliged to behave properly. Smoking, chewing chat and insulting each other during class hours is strictly forbidden. Students have to wear formal clothes and attires during classes.

REFERENCES

- Bendavid-Val, Avrom (1991), **Regional and Local Economic Analysis for Practitioners**, 4th Edition, Westport, CT: Praeger Publishers.
- Klosterman, R. E. (1990). **Community Analysis and Planning Techniques**. Savage, MD: Rowman and Littlefield.
- Kruekeberg, D. A., and Silvers, A.L, (1974) *Urban Planning Analysis: Methods and Models*.New York: Wiley.
- Bendavid-Val, Avrom (1991), *Regional and Local Economic Analysis for Practitioners*, 4th Edition, Westport, CT: Praeger Publishers.
- Klosterman, R. E. (1990). *Community Analysis and Planning Techniques*. Savage, MD: Rowman and Littlefield.
- Kruekeberg, D. A., and Silvers, A.L, (1974) *Urban Planning Analysis: Methods and Models*.New York: Wiley.
- Isserman A. M. (1984) **Projection, Forecast and Plan: On the Future of Population Forecasting***Journal of American Planning Association* 50:208-221
- Kaufman, S., and Simons, R.A., (1995) **Quantitative Research Methods in Planning: Are Schools Teaching what Practitioners Practice?***Journal of Planning Education and Research* 15: 17 – 35
- Krikelas A. C. (1992) **Why Regions Grow: A Review of Research on the Economic Base Model** *Economic Review*. Federal Reserve Bank of Atlanta, July/August 16-29
- Nelson A., W. Drummond, and D. Sawicki (1995) **Exurban Industrialization: Implications for Economic Development Policy***Economic Development Quarterly* Vol. 9 (2): 119 – 133
- Patton C.V. (1986) **Being Roughly right rather than precisely wrong***Journal of Planning Education and Research*, Vol. 6 (1): 22-29

- Rubin B. and M. Wilder (1989) **Urban Enterprise Zones: Employment Impacts and Fiscal Incentives***Journal of the American Planning Association* 55 (4) Autumn

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Name of Instructor/Tutor

Signature

Name of Course Chair

Signature

Postgraduate Coordinator

Signature



Bahir Dar University
Institute of land administration and surveying
Department of Architecture
PhD in Urban Planning and Development

Course Title	Doctoral seminar				
Course Code	URPD1032				
PhD Program	Urban Planning and Development				
Module Name	Advanced research methodology and seminar				
Module No.	03				
Course Chair	Urban planning and housing chair				
	Office location:				
	Mobile: e-mail:				
	Consultation Hours:				
Instructor/Tutor	TBA				
	Office location:				
	Mobile: e-mail:				
	Consultation Hours:				
ECTS Credits (CP)	10				
Contact Hours (per semester)	Lecture	Tutorial	Lab/Practical	Home Study	Total
	48	0	0	224	272
Lecture days, Hours & Room:					
Tutorial/Lab days & Hours					
Target Group:	PhD in Urban Planning and Development				
Year /Semester	Year 1 Semester II				
Pre-requisites	URPD1032				
Status of the course	Compulsory				

COURSE DESCRIPTION

The student will explore how scholars define and answer important research questions, and shall assist the student in developing his/her research agendas, including selecting dissertation/research topic and crafting the draft research proposal.

COURSE OBJECTIVE

- To review cutting-edge research in urban/city planning and design.
- Create opportunity to discuss the research with the peers and graduate faculties
- To formulate a research proposal in the specific area of one of the thematic subject which may be used as part of the candidates' research proposal
- To apply scientific methods of research and
- To acquire relevant knowledge that would contribute to his research topic - dissertation

METHOD OF TEACHING

Offering guidance to relevant literature; promoting frequent PhD candidate- Supervisor interactions for regular follow-up and feedback; arrangement of colloquia-based presentations and discussions on a regular basis.

ASSESSMENT METHODS

Assessment method of the course is based on continuous assessment method which includes: student seminar and oral examination. The assessment methods to be employed help to improve scholarly communication of doctoral students through students' seminar and oral examination. Doctoral students are expected to achieve a minimum of B grades. Questions and assignments need to be contributions from co-teaching instructors for different facets of Planning Theory and Practice and marked jointly to best verify the assessment.

GRADING

Grading will be done as per the university's regulation.

Approved

Name of Instructor/Tutor

Signature

Name of Course Chair

Signature

Postgraduate Coordinator

Signature



Bahir Dar University
Institute of land administration and surveying
Department of Architecture
PhD in Urban Planning and Development

Course Title	Dissertation				
Course Code	URPD1061				
PhD Program	Urban Planning and Development				
Module Name	Dissertation				
Module No.	06				
Course Chair	Housing and urban planning chair				
	Office location:				
	Mobile:		e-mail:		
	Consultation Hours:				
Instructor/Tutor	TBA				
	Office location:				
	Mobile:		e-mail:		
	Consultation Hours:				
ECTS Credits (CP)	120				
Contact Hours (per semester)	Lecture	Tutorial	Lab/Practical	Home Study	Total
	12	0	0	0	120
Lecture days, Hours & Room:					
Tutorial/Lab days & Hours					
Target Group:	PhD in Urban Planning and Development				
Year /Semester	Six semesters (year 2-4)				
Pre-requisites	URPD1061				
Status of the course	Compulsory				

COURSE DESCRIPTION

PhD candidates whose PhD Proposals have been approved by the Doctoral Council are expected to complete their dissertation within two and years' time. The PhD dissertation, which is to be conducted as per the approved research proposal, gives the PhD candidate the chance to apply a scientific research method in a specific area related to urban and Planning and Development. It is thus expected to have both academic and practical significance, i.e., both to create new knowledge from an inter- disciplinary perspective as well as to have a policy relevance that will contribute towards the dynamic socio-economic changes at the local, regional and national levels. Additional subject matter- and methodology- related seminars will be organized to introduce to and familiarize doctoral PhD candidates to the state-of-the-art paradigms and research approaches, whilst colloquia will be organized on a regular basis to provide opportunities for PhD candidates to present and discuss the progress of their PhD dissertation. PhD candidates will benefit much from feedback to be obtained in the seminars and colloquia in addition to the guidance and assistance they get from their main supervisor and co-supervisor.

COURSE OBJECTIVE

PhD candidates will develop their dissertation under the guidance of professors to be assigned as their supervisors. Preparing a full-fledged dissertation in the field of urban and regional studies will involve:

- Execution of the research strategy as per the approved PhD thesis proposal;
- Conducting additional review of theoretical and empirical literature to refine the theoretical or conceptual framework;
- Collecting, analyzing and presenting the data using appropriate analysis and presentation tools;
- Completing the write-up of the dissertation (including amendments to be suggested by supervisors and examiners);
- Presenting and defending the PhD dissertation in an open session in front of a board of examiners.

METHOD OF TEACHING

Lectures, self-study, practical exercises, independent and group work, presentations and discussions on a specific scientifically researched topic on urban & regional planning issues.

ASSESSMENT METHODS

Preparation and presentation of seminar paper on the subject of planning. It should be done in the presence of peer student on a subject matter of planning could be used as assessment strategy.

GRADING

Grading will be done as per the university's regulation.

Approved

Name of Instructor/Tutor

Signature

Name of Course Chair

Signature

Postgraduate Coordinator

Signature

10.4. Need Assessment Survey Results

10.3.1. Summery

The need assessment study was conducted to identify the need for PhD-level graduates in urban

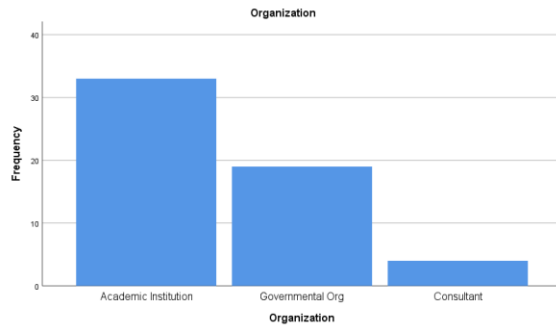
planning and development. A total of 55 respondents from selected organizations were included in the study. The data was collected using a structured and open-ended questionnaire with selected respondents from each organization. Based on the results of the need assessment survey, PhD graduates of urban planning and development professionals are highly demanded by institutions and universities, which indicates the availability of high job opportunities for these graduates.

More than 58.9% of the respondents held a Master of Science degree in urban-related professions (Appendix Fig. 4). This shows that the majority of urban planning and development courses are taught by junior staff with M.Sc. degrees (Appendix Fig. 5). 96.4 percent of the respondents said that there is a knowledge, skill, and experience gap in urban planning practice and education (Appendix Fig. 6). Furthermore, 71% of respondents said the degree would broaden their intellectual horizons and opportunities for an academic career, as well as their organization, and that it is very important (Appendix Fig. 7). This demonstrated the substantial need for PhD-holding experts in urban planning and development in academic and practicum institutions.

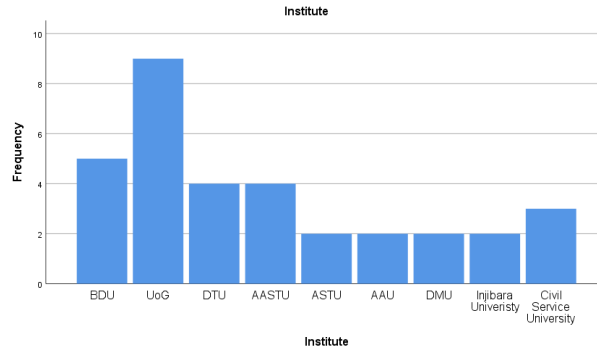
Despite the fact that urban planning is crucial for urban development and many cities are in need of it, not many Ethiopian universities offer PhD programs in urban planning and development. Launching a PhD program in urban planning and development at Bahir Dar University is thus feasible, appropriate, and significant.

10.3.2. Institutions and Profiles of the Respondents

Data was collected from a variety of universities as well as from government and private organizations that work on planning-related issues. The needs assessment attempts to answer questions through questionnaires and interviews. Figure 1 shows the participant profile, which shows that out of the total 56 respondents, 60% are from academic institutions, which include Bahir Dar University, Gondar University, Debretabor University, Addis Ababa Science and Technology University (AASTU), Adama Science and Technology University, Addis Ababa University, Debreworkos University, Injibara University, and Ethiopian Civil Service University, as shown in Figure 2, and the remaining 40% are from government organizations, including federal and regional institutions working on urban planning-related work, and 7% are from consultants.



Annex Figure 1; organization and institutions



Annex Figure 2; Participant Institutions

With regard to the sex of the respondents, 94.6% are male and 5.6% are female, as shown in figure 3. With regard to the profession of the respondents, 58.9% of respondents had Master's degrees with planning and related specializations; 10.7% are PhD holders; and 28.6% are first-degree holders.

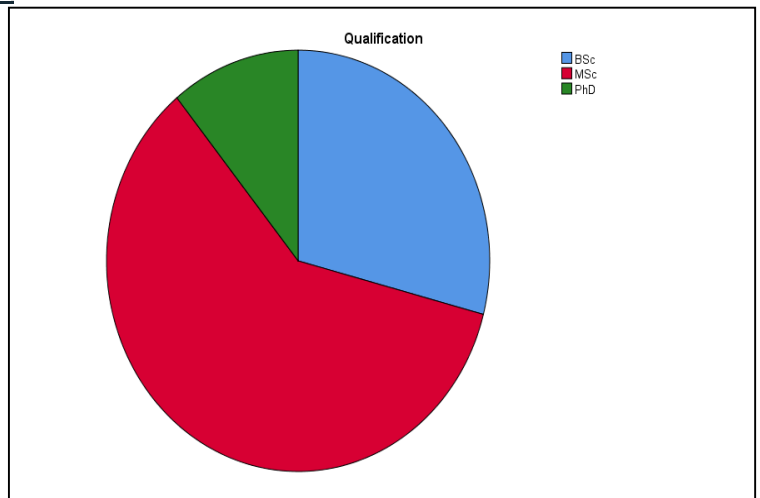
Sex

		Frequency	Percent
Valid	Female	3	5.4
	Male	53	94.6
	Total	56	100.0

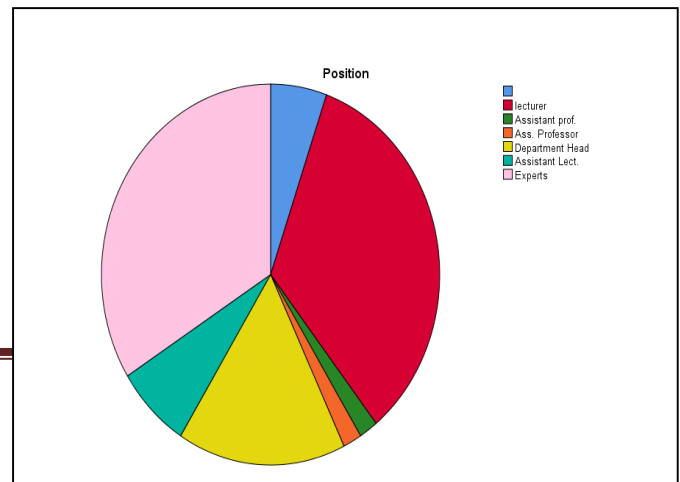
Annex Figure 3: sex of respondents

		Qualification	
		Frequency	Percent
Valid	BSc	16	28.6
	MSc	33	58.9
	PhD	6	10.7
	Total	55	98.2
Missing	System	1	1.8
Total		56	100.0

Annex Figure 4: qualification of respondents



		Position	
		Frequency	Percent
Valid		3	5.4
	lecturer	19	33.9
	Assistant prof.	1	1.8
	Ass. Professor	1	1.8
	Department Head	9	16.1



Assistant Lect.	4	7.1
Experts	19	33.9
Total	56	100.0

Annex Figure 5: position of respondents

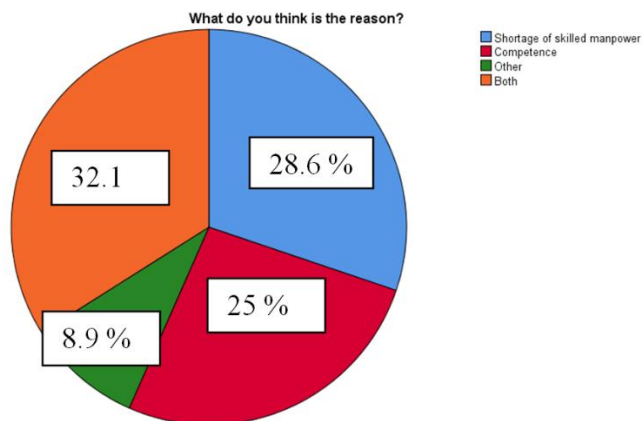
10.2.2. Knowledge; skill and experience gap assessment

Table 1 shows participant responses about the knowledge, skill, and experience gaps in urban planning and development in the country. Quite significantly, 96.4 percent of the participants respond that there is a knowledge, skill, and experience gap in urban planning, while 1.8 percent respond that there is no gap and the remaining 1.8% respond that they are not certain whether there is a knowledge gap in urban planning.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Yes	54	96.4	96.4	96.4
	No	1	1.8	1.8	98.2
	Not Certain	1	1.8	1.8	100.0
	Total	56	100.0	100.0	

Annex Table 1: knowledge; skill and experience gap

Out of the respondents who said there is a knowledge, skill, and experience gap, 28.6 percent respond that the main reason for the existence of a knowledge, skill, and experience gap is a shortage of skilled manpower, while 25 percent respond that the main reason for the knowledge, skill, and experience gap is the competency of trained manpower, and 8.9 percent of the respondents raise other reasons, while 32.1 percent of the respondents raise other reasons.



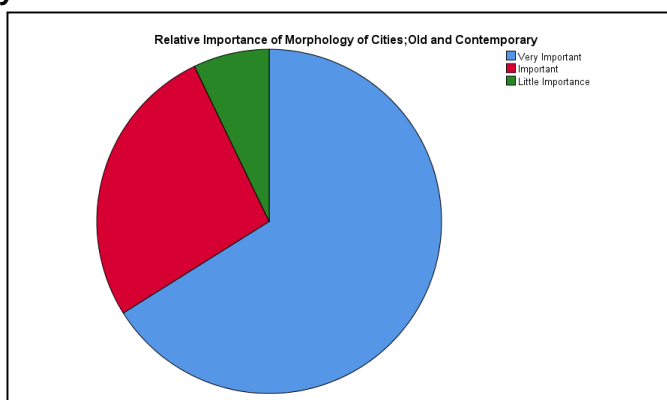
Annex Figure 6: reasons for the gap

10.2.3. Interest assessment for urban planning and development professionals10.2.4. Relative importance of courses for the program/ Coursework Area

The participants were asked to rank the relative importance of the courses in the PhD program. Table 3 displays frequencies and percentages for different respondents. More than 66.1% of them observed that the course Morphology of Cities for the program, about 26.8% considered that it was important, and only 7.1% labeled it as "little important," as shown in figure below.

Relative Importance of Morphology of Cities; Old and Contemporary

	Frequency	Percent
Valid Very Important	37	66.1
Important	15	26.8
Little Importance	4	7.1
Total	56	100.0

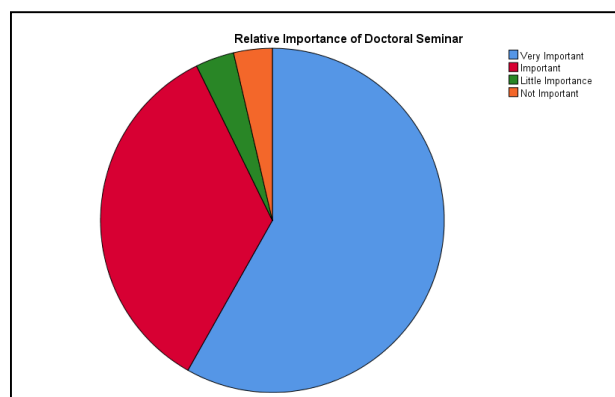


Annex Figure 7: relative importance of morphology course

Doctoral seminar: 57.1 percent thought it is very important for the program, and 33.9% thought it was an important course for the program, while only 3.6 percent thought it was "little important," and 3.6% said it was not important, as shown in the figure below.

Relative Importance of Doctoral Seminar

	Frequency	Percent
Valid Very Important	32	57.1
Important	19	33.9
Little Importance	2	3.6
Not Important	2	3.6
Total	55	98.2
Missing System	1	1.8
Total	56	100.0



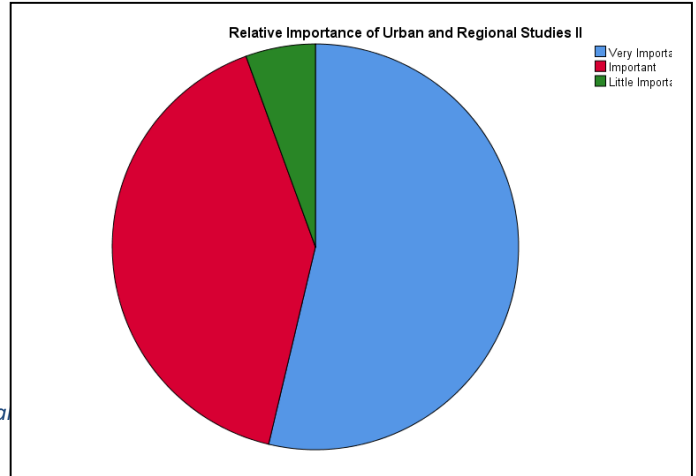
Annex Figure 8: relative importance of doctoral seminar

As shown in the figure below, 64.3 percent of respondents thought the urban and regional planning course was very important for the program, 26.8% thought it was an important course for the program, 5.4 percent

thought it was "little important," and 1.8 percent said it was not important.

Relative Importance of Urban Planning theory course

		Frequency	Percent
Valid	Very Important	36	64.3
	Important	15	26.8
	Little Importance	3	5.4
	Not Important	1	1.8
	Total	55	98.2
Missing	System	1	1.8
Total		56	100.0

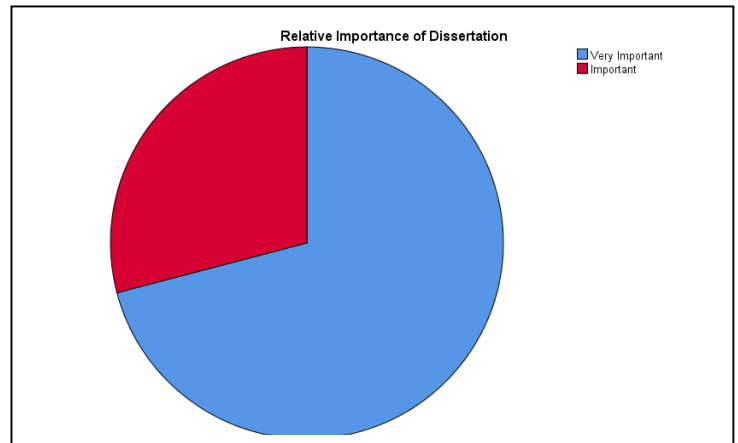


Annex Figure 9; relative importance of the course Urban and Regional

Dissertation: 69.6 percent of the respondents observed that dissertation as very important for the program, and about 28.6 percent considered it important, as shown in the figure below

Relative Importance of Dissertation

		Frequency	Percent
Valid	Very Important	39	69.6
	Important	16	28.6
	Total	55	98.2
Missing	System	1	1.8
Total		56	100.0

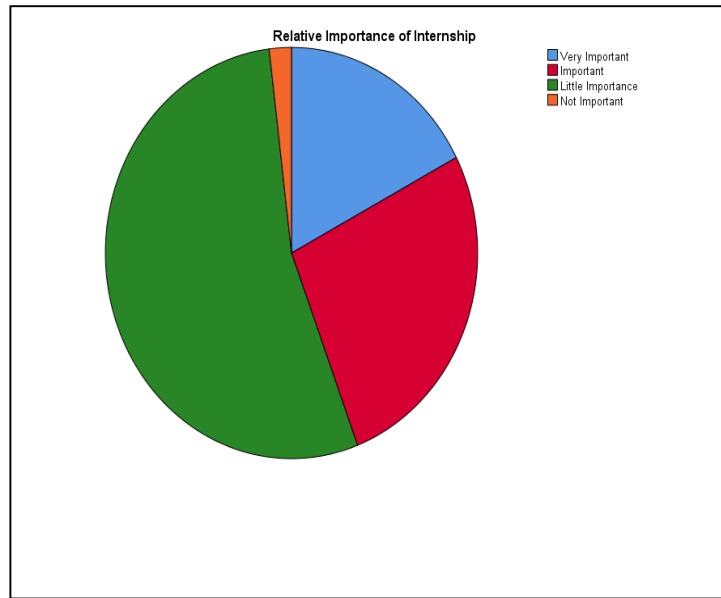


Annex Figure 10; relative importance of dissertation

Internship: 16.1% of the respondents observed that internship as very important for the program, and about 25.8% considered that an important course for the program, but only 50% labeled it as little important, and 1.8 % labeled it as not important, as shown in the figure below.

Relative Importance of Internship

		Frequency	Percent
Valid	Very Important	9	16.1
	Important	14	25.0
	Little Importance	28	50.0
	Not Important	1	1.8
	Total	52	92.9
Missing	System	4	7.1
Total		56	100.0



Annex Figure 11: relative importance of internship

10.5. Reviewer's Comments

Reviewing place: Bahir Dar University, Gish Abay campus

Date of review: March 24, 2023

Reviewer 1:

Name: Dr. Daniel Lirebo
Academic Rank: associate professor
Field/ Specialization: Urban design and planning
Department: Urban planning
Address: Addis Ababa
Institution: Ethiopian Civil Service University
E-Mail: danlirsokido@gmail.com
Phone. No:

Reviewer 2:

Name: Dr. Birhanu Girma
Academic Rank: Associate professor
Field/ Specialization: Urban and regional planning
Department: Urban and regional planning
Address: Addis Ababa
Institution: Addis Ababa University (EiABC)
E-Mail: mesi.bire@gmail.com
Phone. No: +251911262934

Curriculum Workshop Chairperson:

Name: Dr. Abebe Mengaw
Academic Rank: Assistant professor
Department: Land administration and surveying
Field/ Specialization: GIS and remote sensing
Address: Bahir Dar
Institution: Bahir Dar University (ILA)
E-Mail: mengawabebe@gmail.com
Phone. No: +251912106213

Curriculum Workshop Reporter:

Name: Dawod Abdie and Gedion Yibeleo
Academic Rank: Lecturer
Field/ Specialization: Architecture and urban planning
Department: Architecture
Address: Bahir Dar, Ethiopia
Institution: Institute of land Administration
E-Mail: archdaw2008@yahoo.com/ gediwonyibelo@gmail.com
Phone. No: +251918053613/ +251984847775

Comments given by Reviewer 1

GENERAL COMMENT

- Compare with other benchmarks of quality similar PhD curriculums, It is very timely curriculum,
- The nomenclature of the program is okay:

DESCRIPTION AND RATIONALE OF THE PROGRAM

- It is well done.
- Need Assessment fit appreciated, incorporates idea from: Universities, National and Regional levels, Ministry of Urban Development and Infrastructure, Consulting Firms, Urban Planning Association, Architects' Associations.

PROGRAMME OBJECTIVES AND OUTCOMES

Additional exit level outcomes upon the completion of PhD:

- Leading emerging discourses in urban planning and development.
- Influence contemporary urban planning and development practice,
- Formulate strategies to increase competitiveness of urban centers at different level.
- Integrate and coordinate urban and regional development policies within the broad spectrum of physical and spatial planning framework,
- Manage disputes through innovative urban planning and development tools, methods and approaches
- Prepare structural plans and coordination of its Implementation
- Contribute to urban development policies and strategies at higher levels in Ethiopia as well as between international organizations,
- Coordinate urban planning processes, services and results to stakeholders,
- Design intra city, inter-city as well as regional urban planning and development projects in order to increase their advantages and avoid negative impacts on cities and their hinterland,
- Design urban development plans that maximize efficiency and reduce cost of providing infrastructures to create neighborhoods that exhibit high level of integrated social, economic and environmental wellbeing.
- Design environment and climate change responsive urban development plans,

- NDP Preparation and Implementations
- Conduct urban planning and development research including problem-solving research,
- Undertake environmental impact assessment (EIA) and social impact assessment (SIA) from sustainable urban development perspective.

GRADUATE PROFILE

- Requires improvements in relevant Human Resources, pursue, manage and lead scientific research on urban planning and development, structure planning, urban design and neighborhood design and planning, etc. and forward context based sound recommendations to foster integrated urban planning, structure planning, and strategic spatial planning for sustainable development
- Plan and design innovative urban planning interventions in terms of structure and development plans, neighborhood design and planning, local development plan, and related issues
- Undertake advanced urban planning and urban development research in terms of its major components
- Advance knowledge and education concerning urban planning and development, structural planning, urban development strategies, urban design and neighborhood and settlement planning strategies, smart growth and Transit oriented development (TOD) within the context of urban development through scholarly and applied research
- Demonstrate urban planning models and approaches in cities and towns to cope up the challenges as the result of urbanization.
- Coordinate, as well as lead urban planning and development projects and implementation programs in field-offices and urban planning and development research institutions.
- Undertake professional real world urban planning and development projects in collaboration with local residents, public agencies, urban planning and urban development private consulting and construction firms and other private and non-profit organizations,

- Ability to handle uncertainty and conflict, solve problems, manage failure and also be keen to tap development opportunities; endowed with capability to deal with urban planning and urban development challenges
- Have urban leadership skills and be cooperative in team work
- Be endowed with high standard of integrity and professionalism.

ADMISSION REQUIREMENTS

- Applicants for admission to the program shall possess a Master's degree or have equivalent educational background from an accredited university in the fields of Urban Planning and Development, Urban Design and Planning, Architecture, Architecture and Urban Planning, Urban Ecological Planning, Urban Planning and Land Administration, Urban Engineering, Urban land development and management, Urban Transport Planning, Urban Environmental Planning, Geo informatics, Engineering (GIS and Remote Sensing) those with Geospatial Technologies, Urban Landscaping and Design, urban Landscape planning fields, as approved by the Department Graduate Council.
- Applicants shall submit a PhD research proposal (concept note) together with letter of motivation.
- Applicants must pass an entrance aptitude and subject specific examination which will be evaluated with the submitted PhD concept note and other criteria as stated in the senate legislation of the Bahir Dar University.
- Candidates who don't fulfill the basic courses and skills in their pre-doctoral studies should be obliged to undergo bridging program at master's level so as to increase quality of this PhD Program
- Why Social Sciences? It requires graphic skills. I am also skeptical with Urban Management, construction management and Civil Engineering (Requires Bridging Courses like Introduction to Urban Planning theory and Practice, Architectural Design and Basic and urban Design Principles), Instead Geo informatics/Engineering, GIS And Remote Sensing, surveying and mapping
- should also address both Ethiopian Nationals and International: Bahir Dar University has International Recognition:
- UPD is international by its nature, so that it should be open for international students through scholarship grant or by paying tuition fee

- Criteria Should be expressed independently for Ethiopian Nationals Candidates selection and international students
- To increase quality of selection , it is also better to conduct oral examination in addition to written exam

GRADUATION REQUIREMENTS

- To graduate and obtain a degree, a student must: Complete Course works successfully having a minimum CGPA of 3.0 provided that there is no grade less than B-; because there is a course work PhD Research participant must successfully defend his/her PhD' Dissertation;
 - Monograph based with 1 Journal Article
 - Research Based program with 2 Journals
 - Article Based with three Journals

EXISTING RESOURCES AND STAFF PROFILE

- Requires Recruitments of New qualified Staffs in the field of URBAN PLANNING AND DEVELOPMENT (Associate Professor and above)

COURSE PROFILE AND STRUCTURE

- Revise Module 04: Advanced Urban Planning Theory & Practice

ANNEXES

Module Handbook Lacks Consistency

- Like, Some courses comprise contents and competency, whereas some were not For instance, page 45- 47 contains contents but others were not as well no Module Competency/ Exit level outcome in it Whereas page 41-44 failed to contain Module Competency as well as Contents, but others include it.

Comments given by Reviewer 2

GENERAL COMMENT

- It is very timely curriculum, the work done very well
- Need basement result shows that the curriculum is timely
- Document formatting and editing
- Executive summary format

BACKGROUND

- Needs updating and editorial issues

GRADUATION REQUIREMENTS

- Four years and What are the possible extension mechanisms if it is more than four years

PROFESSIONAL PROFILE

- Better to replace graduate profile by Academic professional profiles

ADMISSION REQUIREMENT

- Better to include the existing MSc. Programs
- Fees / charge needs clarification

ANNEX

- Course and module hand book repetition
- Course and module hand book has to be part of the main document

