



1-Urban Design's Course Specification

I. Course Identification and General Information:					
1	Course Title:	Urban Design			
2	Course Code & Number:	AE444			
3	Credit hours:	C.H			TOTAL
		Th.	Seminar	studio	
				8	
4	Study level/ semester at which this course is offered:	5th Year/ Level 1st semester			
5	Pre –requisite (if any):	Urban Design Urban Design Theory and design (7)			
6	Co –requisite (if any):	Non			
8	Program (s) in which the course is offered:	Architectural Engineering			
9	Language of teaching the course:	English and / Arabic			
10	Location of teaching the course:	Classes / studios in the department			
11	Prepared By:	Assoc. Prof. Dr. Ahmed Ghaleb Al-sharjabi			
12	Date of Approval				

Head of
 Department
 Dr. Samir Mohsen
 Al-Sirry

Quality
 Assurance Unit
 Assoc. Prof. Dr.
 Mohammad
 Algorafi

Dean of the Faculty
 Prof. Dr.
 Mohammed AL-
 Bukhaiti

Academic
 Development
 Center & Quality
 Assurance
 Assoc. Prof. Dr.
 Huda Al-Emad

Rector of Sana'a
 University
 Prof. Dr. Al-Qassim
 Mohammed Abbas



II. Course Description:
This course aim to familiarize students with basic urban design concepts and urban scale in order to apply all urban design theories and roles for development and redevelopment architecture, urban design structure and elements, and urban design process, surveying, analysis , evaluation and development projects.

III. Course Intended learning outcomes (CILOs) of the course	Referenced PILOs
a.1 Identify urban problems within the urbanization contexts of cities in term of planning and architecture.	A2
a.2 Understand the socio-economic role and address problems of a complex nature at the urban scale	A4
b.1 Show ability in identify, define and analyzing to solve planning and architectural problems in a remarkable ways within urban areas.	B1
b.2 Applying various techniques in data collections and analysis urban sites and integrated solutions to redeveloping urban areas.	B5
c.1 Define and design exterior and public space in its environment. And organize special, circulation and land use patterns.	C2
c.2 Produce urban design solutions, of renovations and enhancement of the required to fulfill the users need.	C2
d.1 Perceive the critical role of group working, and show leadership skills and negotiations'	D2
d.2 Demonstrate commitments, talent, morals ethics in related to works with beneficiaries.	D3
d.3 Formulate graphic and written urban proposals.	D4

Head of Department
 Dr. Samir Mohsen Al-Sirry

Quality Assurance Unit
 Assoc. Prof. Dr. Mohammad Algorafi

Dean of the Faculty
 Prof. Dr. Mohammed AL-Bukhaiti

Academic Development Center & Quality Assurance
 Assoc. Prof. Dr. Huda Al-Emad

Rector of Sana'a University
 Prof. Dr. Al-Qassim Mohammed Abbas



(A) Alignment Course Intended Learning Outcomes of Knowledge and Understanding to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
a1- Identify urban problems within the urbanization contexts of cities in term of planning and architecture.	Lecture Selection case studies, Urban survey methods Data collection methods Group works in Studio Data Analysis, Discussions / demonstration	Problem set – assignment Work assessment, Presentations, Assessment.
a2- Understand the socio-economic role and address problems of a complex nature at the urban scale	Lecture Selection case studies, Urban survey methods Data collection methods Group works in Studio Data Analysis, Discussions / demonstration	Problem set – assignment Work assessment, Presentations, Assessment.

(B) Alignment Course Intended Learning Outcomes of Intellectual Skills to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
b1- Show ability in identify, define and analyzing to solve planning and architectural problems in a remarkable ways within urban areas.	Lecture Selection case studies, Urban survey methods Data collection methods Group works in Studio Data Analysis, Discussions / demonstration	Problem set – assignment Work assessment, Presentations, Assessment.
b2- Applying various techniques in data collections and analysis urban	Lecture Selection case studies, Urban survey methods	Problem set – assignment Work assessment,

Head of Department
 Dr. Samir Mohsen Al-Sirry

Quality Assurance Unit
 Assoc. Prof. Dr. Mohammad Algorafi

Dean of the Faculty
 Prof. Dr. Mohammed AL-Bukhaiti

Academic Development Center & Quality Assurance
 Assoc. Prof. Dr. Huda Al-Emad

Rector of Sana'a University
 Prof. Dr. Al-Qassim Mohammed Abbas



sites and integrated solutions to redeveloping urban areas.	Data collection methods Group works in Studio Data Analysis, Discussions / demonstration	Presentations, Assessment.
---	---	-------------------------------

© Alignment Course Intended Learning Outcomes of Professional and Practical Skills to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
C1- Define and design exterior and public space in its environment. And organize special, circulation and land use patterns.	Urban survey methods Data collection methods Group works in Studio Data Analysis, Discussions / demonstration	Problem set – assignment Work assessment, Presentations, Assessment.
C2- Produce urban design solutions, of renovations and enhancement of the required to fulfill the users need.	Urban survey methods Data collection methods Group works in Studio Data Analysis, Discussions / demonstration	Problem set – assignment Work assessment, Presentations, Assessment.

(D) Alignment Course Intended Learning Outcomes of Transferable Skills to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
d1- Perceive the critical role of group working, and show leadership skills and negotiations'	Lecture Urban survey methods Data collection methods Group works in Studio Data Analysis, Discussions / demonstration	Problem set – assignment Work assessment, Presentations, Assessment.
d2- Demonstrate commitments, talent, morals ethics in related to works with beneficiaries	Lecture Selection case studies, Urban survey methods	Problem set – assignment Work assessment,

Head of Department
 Dr. Samir Mohsen Al-Sirry

Quality Assurance Unit
 Assoc. Prof. Dr. Mohammad Algorafi

Dean of the Faculty
 Prof. Dr. Mohammed AL-Bukhaiti

Academic Development Center & Quality Assurance
 Assoc. Prof. Dr. Huda Al-Emad

Rector of Sana'a University
 Prof. Dr. Al-Qassim Mohammed Abbas



	Data collection methods Group works in Studio Data Analysis, Discussions / demonstration	Presentations, Assessment. Jury (Panel of judges)
d3 - Formulate graphic and written urban proposals	Lecture Selection case studies, Urban survey methods Data collection methods Data Analysis, Discussions / Demonstration	Problem set – assignment Work assessment, Presentations, Assessment. Jury (Panel of judges)

IV. Course Content:					
A – Theoretical Aspect:					
Order	Units/Topics List	Learning Outcomes	Sub Topics List	Number of Weeks	contact hours
1	Introduction Related subjects, data gathering, site visit,	a1-a2- b2 d1 d2	Urban design elements, various of example from various cities, methods and way how to plan for grouping students studies,	2	4
2	Methods of data classification and analysis Criteria and data to use in planning and architecture.	a1-a2- b1 b2 d1	Data must be sorted out into planning / urban survey / what kind of redevelopment, issues should be undertaken	2	4
3	-Introduction to Primary data, socio-economic factors. (p	b1 b2 c1 c2 d3	In large scale urban areas, using land use, urban fabric and patterns.	3	6

Head of Department
 Dr. Samir Mohsen Al-Sirry

Quality Assurance Unit
 Assoc. Prof. Dr. Mohammad Algorafi

Dean of the Faculty
 Prof. Dr. Mohammed AL-Bukhaiti

Academic Development Center & Quality Assurance
 Assoc. Prof. Dr. Huda Al-Emad

Rector of Sana'a University
 Prof. Dr. Al-Qassim Mohammed Abbas



	- How selection of analysis methods -consideration to infrastructure systems		How, to interprets or understand the actual condition of the urban areas under studies (in sites)		
4	Method and ways how converting urban data into tools of redevelopment action decisions, and change	b1 b2 c1 c2	Appropriate techniques available to reproduce maps, figures, and prepared in form of urban reports and maps. (in studio)	3	6
5	Preparation of new developed maps, and related studies, as lager scale,(planning) urban design form and details (architecture)	a2 b1 b2 c1 c2 d2	All planning and urban design aspects, in order to improve the situation and fulfill the aim of the study	2	4
6	Preparation final urban design report and presentation	a1-a2- c1 c2 d1 d2 d3	In general and detail studies of the overall elements assign to students,	2	4
Number of Weeks /and Units Per Semester				14	28

Head of Department
 Dr. Samir Mohsen Al-Sirry

Quality Assurance Unit
 Assoc. Prof. Dr. Mohammad Algorafi

Dean of the Faculty
 Prof. Dr. Mohammed AL-Bukhaiti

Academic Development Center & Quality Assurance
 Assoc. Prof. Dr. Huda Al-Emad

Rector of Sana'a University
 Prof. Dr. Al-Qassim Mohammed Abbas



B - Practical Aspect: Urban Survey, Data collection, analysis, and evaluation				
Order	Tasks/ Experiments	Number of Weeks	contact hours	Learning Outcomes
1	Selection of study zones Applying site survey Discussion work methods and data types	1	7	a1-a2- b2 d1 d2
2	Classification of data : Planning Architecture Social and analysis Apply criteria to works Discussion work in studio	1	7	a1-a2- b1 b2 d1
3	Define data, socio-economic factors. Related to actual condition Analysis them Reproduce in maps and charts form Reporting in actual problems -consideration to Planning. Architecture, infrastructure systems And social facilities. Discussion work in studio	3	21	b1 b2 c1 c2 d3
4	Converting urban data into tools of redevelopment action decisions, and change, Reporting how it can be improving Discussion work in studio	2	14	b1 b2 c1 c2
5	Preparation new developed maps, and related studies, Planning Architecture Urban design etc. Details Discussion work in studio	3	21	a2 b1 b2 c1 c2 d2

Head of
Department
Dr. Samir Mohsen
Al-Sirry

Quality
Assurance Unit
Assoc. Prof. Dr.
Mohammad
Algorafi

Dean of the Faculty
Prof. Dr.
Mohammed AL-
Bukhaiti

Academic
Development
Center & Quality
Assurance
Assoc. Prof. Dr.
Huda Al-Emad

Rector of Sana'a
University
Prof. Dr. Al-Qassim
Mohammed Abbas



6	Comparison between actual condition and the improvement, redevelopment maps, and come out with conclusions, as plan for future developments. etc.	2	14	a2 b1 b2 c1 c2 d2
7	Final plans for developments in maps form and written report Discussion work in studio.	2	14	a1-a2- c1 c2 d1 d2 d3
Total		14 Weeks	98 Hrs	
Theoretical + Practical		For the 14th Weeks	112 Hr	
Number of Weeks /and Units Per Semester				

V. Teaching strategies of the course:

Teaching is divided into four main stages: Studio preparation, site visits and data collection.
 Studio works and homework
 Group works.
 Individual works
 Lecturing
 Discussions , criticism and corrections in studios
 Presentations , and internal jury
 Using Auto-cad software
 Studio works
 Individual projects, final Jury

VI. Assignments:

No	Assignments	Aligned CILOS(symbols)	Week Due	Mark
----	-------------	------------------------	----------	------

Head of Department
 Dr. Samir Mohsen Al-Sirry

Quality Assurance Unit
 Assoc. Prof. Dr. Mohammad Algorafi

Dean of the Faculty
 Prof. Dr. Mohammed AL-Bukhaiti

Academic Development Center & Quality Assurance
 Assoc. Prof. Dr. Huda Al-Emad

Rector of Sana'a University
 Prof. Dr. Al-Qassim Mohammed Abbas



1	Study preparation lecturing, studio works selection of study areas, selection groups for site Plan for site visits and data collection, survey, etc. report of working plan for each group.	a1-a2- b1 b2	3	10%
2	Data analysis, Reporting in actual problems, and presentation in studio	a1-a2- b1 b2 c1 c2 d1	6	20%
3	Reproduce urban design maps, according site study recommendation studies, presentation in studio	a1-a2- b1 b2 c1 c2 d1 d2	10	20%
4	Presented the redevelopment maps in improvement, condition as plan for future developments.	b1 b2 c1 c2 d1 d2 d3	12	20%
5	Presentation final report including all maps and data related to urban design improvement plans.	a1-a2- c1 c2 d1 d2 d3	14	30%
Total				100%

VII. Schedule of Assessment Tasks for Students During the Semester:					
No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Preparation of study materials, maps, etc. selection areas of study, site survey, data collection, data analysis, Interpreting actual urban condition and identify related problems. Reproduce improved maps, plans, section, elevations and all planning and architecture issues – these are upon site study recommendations. Presentations actual and improved conditions for discussions in studio.	4- 12	210	70%	a1-a2 b1 b2 c1 c2

Head of Department
 Dr. Samir Mohsen Al-Sirry

Quality Assurance Unit
 Assoc. Prof. Dr. Mohammad Algorafi

Dean of the Faculty
 Prof. Dr. Mohammed AL-Bukhaiti

Academic Development Center & Quality Assurance
 Assoc. Prof. Dr. Huda Al-Emad

Rector of Sana'a University
 Prof. Dr. Al-Qassim Mohammed Abbas



2	Submission final Project in maps and written report- As final-exam	14 final	90	30%	a1 a2 b1 b2 c1 c2 c3 d1 d2 d3
3	Sum	Overall grade	300	100%	

Head of
 Department
 Dr. Samir Mohsen
 Al-Sirry

Quality
 Assurance Unit
 Assoc. Prof. Dr.
 Mohammad
 Algorafi

Dean of the Faculty
 Prof. Dr.
 Mohammed AL-
 Bukhaiti

Academic
 Development
 Center & Quality
 Assurance
 Assoc. Prof. Dr.
 Huda Al-Emad

Rector of Sana'a
 University
 Prof. Dr. Al-Qassim
 Mohammed Abbas



VIII. Learning Resources:	
<ul style="list-style-type: none"> • <i>Written in the following order: (Author - Year of publication – Title – Edition – Place of publication – Publisher).</i> 	
1- Required Textbook(s) (maximum two).	
	1- The Urban Design Handbook: techniques & working methods, Gindroz, Ray (ed) W. W Norton, 2003, 2- Time save Standards for housing. NY, McGraw-Hill by Harris, C W and Dines, N T (2ed) 1998.
2- Essential References.	
	1- Urban Design, street & square Architecture press. By Moughtin, C. 2000 2- Urban Design: method and techniques. Oxford, Architecture Press, by Moughtin, C. 1999.
3- Electronic Materials and Web Sites etc.	
	1-Auto-Cad all versions , Rivet, Google sketches up 2-working Drawings E-books,

Head of
 Department
 Dr. Samir Mohsen
 Al-Sirry

Quality
 Assurance Unit
 Assoc. Prof. Dr.
 Mohammad
 Algorafi

Dean of the Faculty
 Prof. Dr.
 Mohammed AL-
 Bukhaiti

Academic
 Development
 Center & Quality
 Assurance
 Assoc. Prof. Dr.
 Huda Al-Emad

Rector of Sana'a
 University
 Prof. Dr. Al-Qassim
 Mohammed Abbas



IX. Course Policies:	
1	Class Attendance: The students should have more than 75 % of attendance according to rules and regulations of the faculty.
2	Tardy: The students should respect the timing of attending the lectures. They should attend within 1 minutes from starting of the lecture.
3	Exam Attendance/Punctuality: The student should attend the exam on time. The punctuality should be implemented according to rules and regulations of the faculty for midterm exam and final exam.
4	Assignments & Projects: The assignment is given to the students after each chapter, the student has to submit all the assignments for checking on time.
5	Cheating: If any cheating occurred during the examination, the student is not allowed to continue and he/she has to face the examination committee for enquires.
6	Plagiarism: The student will be terminated from the Faculty, if one student attends the exam on another behalf according to the policy, rules and regulations of the university.
7	Other policies: _ All the teaching materials should be kept out the examination hall. _ the mobile phone is not allowed. _ There should be a respect between the student and his teacher.

Reviewed By	<u>Vice Dean for Academic Affairs and Post Graduate Studies</u>
	<u>Dr. Tarek A. Barakat</u>
	<u>Quality Assurance Unit Dr. Mohammad Algorafi</u>
	<u>Name of Reviewer from the Department</u>
	<u>Dr : Riyad Muharam</u>
	<u>Dr : Samira AL-Shawesh</u>
	<u>Deputy Rector for Academic Affairs Dr. Ibrahim AlMutaa</u>
	<u>Dr. Ahmed Mujahed</u>
	<u>Dr. Munaser Alsubri</u>

Head of
 Department
 Dr. Samir Mohsen
 Al-Sirry

Quality
 Assurance Unit
 Assoc. Prof. Dr.
 Mohammad
 Algorafi

Dean of the Faculty
 Prof. Dr.
 Mohammed AL-
 Bukhaiti

Academic
 Development
 Center & Quality
 Assurance
 Assoc. Prof. Dr.
 Huda Al-Emad

Rector of Sana'a
 University
 Prof. Dr. Al-Qassim
 Mohammed Abbas



Template for Course Plan (Syllabus)

I. Information about Faculty Member Responsible for the Course:							
Name of Faculty Member	Dr. Ahmed Ghaleb Farea	Office Hours					
Location & Telephone No.	Architecture Department 777141317	SAT	SUN	MON	TUE	WED	THU
E-mail	Ahgfn8989@gmail.com		10-12AM			10-12Am	

II. Course Identification and General Information:						
1	Course Title:	Urban Design				
2	Course Code & Number:	AE444				
3	Credit hours:	C.H				Total
		Th.	Seminar	Pr.	F. Tr.	
		1		8		4
4	Study level/year at which this course is offered:	5th Year/ Level 1st semester				
5	Pre –requisite (if any):	Urban Design				
6	Co –requisite (if any):	Theory of Urban design and Design 7				
7	Program (s) in which the course is offered	Architecture Engineering				
8	Language of teaching the course:	English and Arabic				
9	System of Study:	Semester Regular				
10	Mode of delivery:	Lecture / Drafting Studio				
11	Location of teaching the course:	Studios in Architecture Dept.				

Head of Department
 Dr. Samir Mohsen Al-Sirry

Quality Assurance Unit
 Assoc. Prof. Dr. Mohammad Algorafi

Dean of the Faculty
 Prof. Dr. Mohammed AL-Bukhaiti

Academic Development Center & Quality Assurance
 Assoc. Prof. Dr. Huda Al-Emad

Rector of Sana'a University
 Prof. Dr. Al-Qassim Mohammed Abbas



III. Course Description:
 This course aim to familiarize students with basic urban design concepts and urban scale in order to apply all urban design theories and roles for development and redevelopment architecture, urban design structure and elements, and urban design process, surveying, analysis , evaluation and development projects.

IV. Intended learning outcomes (ILOs) of the course:

- Brief summary of the knowledge or skill the course is intended to develop:
 - a.1** Identify urban problems within the urbanization contexts of cities in term of planning and architecture. **A2**
 - a.2** Understand the socio-economic role and address problems of a complex nature at the urban scale **A4**
 - b.1** Show ability in identify, define and analyzing to solve planning and architectural problems in a remarkable ways within urban areas. **B1**
 - b.2** Applying various techniques in data collections and analysis urban sites and integrated solutions to redeveloping urban areas. **B5**
 - c.1** Define and design exterior and public space in its environment. And organize special, circulation and land use patterns. **C2**
 - c.2** Produce urban design solutions, of renovations and enhancement of the required to fulfill the users need. **C2**
 - d.1** Perceive the critical role of group working, and show leadership skills and negotiations' **D2**
 - d.2** Demonstrate commitments, talent, morals ethics in related to works with beneficiaries. **D3**
 - d.3** Formulate graphic and written urban proposals. **D4**

Head of
 Department
 Dr. Samir Mohsen
 Al-Sirry

Quality
 Assurance Unit
 Assoc. Prof. Dr.
 Mohammad
 Algorafi

Dean of the Faculty
 Prof. Dr.
 Mohammed AL-
 Bukhaiti

Academic
 Development
 Center & Quality
 Assurance
 Assoc. Prof. Dr.
 Huda Al-Emad

Rector of Sana'a
 University
 Prof. Dr. Al-Qassim
 Mohammed Abbas



V.Course Content:			
<ul style="list-style-type: none"> Distribution of Semester Weekly Plan of Course Topics/Items and Activities. 			
A – Theoretical Aspect:			
Order	Topics List	Week Due	Contact Hours
1	Introduction to related subjects, data gathering, site visit and plan for grouping students studies,	1-2	4
2	Methods of data classification and analysis Criteria and data to use in planning and architecture.	3-4	4
3	Introduction to Primary data, socio-economic factors. (p - How selection of analysis methods -consideration to infrastructure systems	5-7	6
4	Method and ways how converting urban data into tools of redevelopment action decisions, and change Appropriate techniques available to reproduce maps, figures, and prepared in form of urban reports and maps. (in studio)	8-10	6
5	Preparation of new developed maps, and related studies, as lager scale,(planning) urban design form and details (architecture). All planning and urban design aspects, in order to improve the situation and fulfill the aim of the study	11-12	4
6	Preparation final urban design report and presentation. In general and detail studies of the overall elements assign to students,	13-14	4
Number of Weeks /and Units Per Semester		14	28

Head of
 Department
 Dr. Samir Mohsen
 Al-Sirry

Quality
 Assurance Unit
 Assoc. Prof. Dr.
 Mohammad
 Algorafi

Dean of the Faculty
 Prof. Dr.
 Mohammed AL-
 Bukhaiti

Academic
 Development
 Center & Quality
 Assurance
 Assoc. Prof. Dr.
 Huda Al-Emad

Rector of Sana'a
 University
 Prof. Dr. Al-Qassim
 Mohammed Abbas



B – Practical Aspect: Urban Survey, Data collection, analysis, and evaluation			
Order	Topics List	Week Due	Contact Hours
1	Selection of study zones Applying site survey Discussion work methods and data types	1	7
2	Classification of data : Planning Architecture Social and analysis Apply criteria to works Discussion work in studio	1	7
3	Define data, socio-economic factors. Related to actual condition Analysis them Reproduce in maps and charts form Reporting in actual problems -consideration to Planning. Architecture, infrastructure systems And social facilities. Discussion work in studio	3-5	21
4	Converting urban data into tools of redevelopment action decisions, and change, Reporting how it can be improving Discussion work in studio	6-7	14
5	Preparation new developed maps, and related studies, Planning Architecture Urban design etc. Details Discussion work in studio	8-10	21
6	Comparison between actual condition and the improvement, redevelopment maps, and come out with conclusions, as plan for future developments. etc.	11-12	14
7	Final plans for developments in maps form and written report Discussion work in studio.	13-14	14
Total		14	98

Head of Department
 Dr. Samir Mohsen Al-Sirry

Quality Assurance Unit
 Assoc. Prof. Dr. Mohammad Algorafi

Dean of the Faculty
 Prof. Dr. Mohammed AL-Bukhaiti

Academic Development Center & Quality Assurance
 Assoc. Prof. Dr. Huda Al-Emad

Rector of Sana'a University
 Prof. Dr. Al-Qassim Mohammed Abbas



Number of Weeks /and Units Per Semester		
--	--	--

VI. Teaching strategies of the course:
Teaching is divided into four main stages: Studio preparation, site visits and data collection. Studio works and homework Group works. Individual works Lecturing Discussions , criticism and corrections in studios Presentations , and internal jury Using Auto-cad software Studio works Individual projects, final Jury

VII. Assignments:				
No	Assignments	Aligned CILOs(symbols)	Week Due	Mark
1	Study preparation, studio works selection of study areas, selection groups. Plan for site visits and data collection, survey, etc. Report of working plan for each group.	a1-a2- b1 b2	3	10%
2	Data analysis, Reporting in actual problems, and presentation in studio	a1-a2- b1 b2 c1 c2 d1	6	20%
3	Reproduce urban design maps, according site study recommendation studies, presentation in studio	a1-a2- b1 b2 c1 c2 d1 d2	10	20%
4	Presented the redevelopment maps in improvement, condition as plan for future developments.	b1 b2 c1 c2 d1 d2 d3	12	20%
5	Presentation final report including all maps and data related to urban design improvement plans.	a1-a2- c1 c2 d1 d2 d3	14	30%

Head of
 Department
 Dr. Samir Mohsen
 Al-Sirry

Quality
 Assurance Unit
 Assoc. Prof. Dr.
 Mohammad
 Algorafi

Dean of the Faculty
 Prof. Dr.
 Mohammed AL-
 Bukhaiti

Academic
 Development
 Center & Quality
 Assurance
 Assoc. Prof. Dr.
 Huda Al-Emad

Rector of Sana'a
 University
 Prof. Dr. Al-Qassim
 Mohammed Abbas

Sana'a University
 Faculty of Engineering
 Department: Basic Engineering Sciences
 Title of the Program: B.Sc. Of Architectural Engineering



	Total			100%
--	--------------	--	--	-------------

Head of
 Department
 Dr. Samir Mohsen
 Al-Sirry

Quality
 Assurance Unit
 Assoc. Prof. Dr.
 Mohammad
 Algorafi

Dean of the Faculty
 Prof. Dr.
 Mohammed AL-
 Bukhaiti

Academic
 Development
 Center & Quality
 Assurance
 Assoc. Prof. Dr.
 Huda Al-Emad

Rector of Sana'a
 University
 Prof. Dr. Al-Qassim
 Mohammed Abbas



VIII. Schedule of Assessment Tasks for Students During the Semester:				
Assesment	Type of Assessment Tasks	Week Due	Mark	Proportion of Final Assessment
1	Preparation of study materials, maps, etc. selection areas of study, site survey, data collection, data analysis, Interpreting actual urban condition and identify related problems GROUP WORK.	1-3	30	10%
2	Interpreting actual urban condition and identify related problems. Reproduce improved maps, plans, planning, architecture issues, and landscape,	4-9	90	30%
3	Preparation section, elevations and all– these are upon site study recommendations	10-12	60	20%
4	Presentations actual and improved conditions for discussions in studio including 3d forms detail of urban elements, etc.	13	30	10%
5	Submission final Project in maps and written report- As final-exam, for jury panel	14	90	30%
	Total	14W	300	100%
Attendance will consider within each task assessment				

IX. Learning Resources
<ul style="list-style-type: none"> • <i>Written in the following order: (Author - Year of publication – Title – Edition – Place of publication – Publisher).</i>
1- Required Textbook(s) (maximum two).
1- The Urban Design Handbook: techniques & working methods, Gindroz, Ray (ed) W. W Norton, 2003, 2- Time save Standards for housing. NY, McGraw-Hill by Harris, C W and Dines, N T (2ed) 1998.
2- Essential References.

Head of Department
 Dr. Samir Mohsen Al-Sirry

Quality Assurance Unit
 Assoc. Prof. Dr. Mohammad Algorafi

Dean of the Faculty
 Prof. Dr. Mohammed AL-Bukhaiti

Academic Development Center & Quality Assurance
 Assoc. Prof. Dr. Huda Al-Emad

Rector of Sana'a University
 Prof. Dr. Al-Qassim Mohammed Abbas



1- Urban Design, street & square Architecture press. By Moughtin, C. 2000
2- Urban Design: method and techniques. Oxford, Architecture Press, by Moughtin, C. 1999
3- Electronic Materials and Web Sites etc.
1-Auto-Cad all versions , Rivet, Google sketches up
2-working Drawings E-books,

X. Course Policies:	
1	Class Attendance: The students should have more than 75 % of attendance according to rules and regulations of the faculty.
2	Tardy: The students should respect the timing of attending the lectures. They should attend within 1 minutes from starting of the lecture.
3	Exam Attendance/Punctuality: The student should attend the exam on time. The punctuality should be implemented according to rules and regulations of the faculty for midterm exam and final exam.
4	Assignments & Projects: The assignment is given to the students after each chapter, the student has to submit all the assignments for checking on time.
5	Cheating: If any cheating occurred during the examination, the student is not allowed to continue and he/she has to face the examination committee for enquires.
6	Plagiarism: The student will be terminated from the Faculty, if one student attends the exam on another behalf according to the policy, rules and regulations of the university.
7	Other policies: _ All the teaching materials should be kept out the examination hall. _ the mobile phone is not allowed. _There should be a respect between the student and his teacher.

Head of
 Department
 Dr. Samir Mohsen
 Al-Sirry

Quality
 Assurance Unit
 Assoc. Prof. Dr.
 Mohammad
 Algorafi

Dean of the Faculty
 Prof. Dr.
 Mohammed AL-
 Bukhaiti

Academic
 Development
 Center & Quality
 Assurance
 Assoc. Prof. Dr.
 Huda Al-Emad

Rector of Sana'a
 University
 Prof. Dr. Al-Qassim
 Mohammed Abbas

Sana'a University
Faculty of Engineering
Department: Basic Engineering Sciences
Title of the Program: B.Sc. Of Architectural Engineering



Head of
Department
Dr. Samir Mohsen
Al-Sirry

Quality
Assurance Unit
Assoc. Prof. Dr.
Mohammad
Algorafi

Dean of the Faculty
Prof. Dr.
Mohammed AL-
Bukhaiti

Academic
Development
Center & Quality
Assurance
Assoc. Prof. Dr.
Huda Al-Emad

Rector of Sana'a
University
Prof. Dr. Al-Qassim
Mohammed Abbas