



Course Specifications								
Program(s) on which this course is given:			Double Master Program: "Revitalization of Historic City Districts"					
Department offering the program:			Faculty of Engineering, Cairo University, Faculty of Fine Arts, Alexandria University, and University of Technology Cottbus, Germany.					
Department offering the course:			Faculty of Engineering, Cairo University					
Academic Level:			Master degree					
Date			2018					
Semester (based on final exam timing)			<input type="checkbox"/> Fall <input checked="" type="checkbox"/> Spring					
A- Basic Information								
1. Title:		History of Urban Morphology			Code:		HUD 613	
2. Units/Credit hours per week:		Lectures	2	Tutorial	1	Practical	0	Total 3
B- Professional Information								
1. Course description:		The course aims to study physical structure of towns, methods of space analysis, climax formation and the ways in which towns and districts grow and develop, the course addresses urban form analysis, climax formation and different urban morphology schools of research (from morphology, typomorphology to space syntax) examining their origins, main characteristics and contributions. It also examines the relation between the different approaches and the intangible variables that affect change in towns and districts, aiming to provide a comprehensive methodology to read existing contexts and understand reasons of change. The course aims to develop students' analytical and descriptive skills in documenting existing contexts' morphology and structure of form, understanding and criticizing research methods.						
2. Intended Learning Outcomes of Course (ILOs):		a) Knowledge and Understanding						
		1- Understanding and Studying the urban morphology schools through history, taking into consideration intangible variables that affect change in urban settlements.						
		2- Understanding theories and fundamentals related to area of specialization and related fields						
		3- Understand the scientific development in the methodologies studying urban morphology and the analysis of challenges in the field of urban design.						
		4- Understand the dialectic impact between professional practice and the environment in the field of urban morphology and related fields.						
		5-Be aware of the fundamentals of ethics in scientific research.						
		b) Intellectual Skills						

- 1- Analyzing the various urban planning typologies in each civilization and defining the various planning principles, concepts, and techniques.
 - 2- Ability for problem solving in situations of insufficient information by use of available givens.
 - 3- Integration of variety of knowledge based information in solving professional problems.
 - 4- Conduct scientific research and apply methodological scientific studies to professional problems in urban morphology.
 - 5- Conduct development planning and propose appropriate strategies in field of urban design revitalization of historic city district.
 - 6- Decision making in different professional contexts.
- c) Professional and Practical Skills**
- 1- Writing-up and evaluating technical reports.
 - 2- Evaluate methods, techniques and tools employed in field of specialization.
- d) General and Transferable Skills**
- 1- Effective communication in all its forms.
 - 2- Employ information technology to benefit professional practice.
 - 3- Capacity for effective teamwork and team leadership in different professional contexts.
 - 4- Self-assessment and ability to identify learning deficiencies and needs.
 - 5- Use of different sources to acquire knowledge and information.

3. Contents

Topic	Total hours	Lectures hours	Tutorial/ Practical hours
Perception of Urban Form Space and Path physical analysis	3	3	0
History of urban Morphology Different schools of urban morphology	3	3	0
Urban morphology and collective memory Urban morphology and space meaning	3	3	0
Presentation for the project of Urban Morphology and historic preservation	3	0	3
Total hours	12	9	3
4. Teaching and Learning Methods	Lectures (√)	Practical Training/ Laboratory ()	Seminar/Workshop (√)
	Class Activity ()	Case Study (√)	Projects (√)
	E-learning ()	Assignments / Homework(√)	Other:



5. Student Assessment Methods

• .Assessment Schedule	Week
-Assessment 1; Assignment 1	5,7,8
-Assessment 2; Assignment 2	9,10
-Assessment 3; Final PROJECT	11,12,13,14
• Weighting of Assessments	
-Mid-Term Examination	-
-Final-term Examination	40 %
-Assignment 1 & 2	60%
-Presentations	-
-Total	100%

6. List of References

- Choay, F., L'urbanisme, Utopies et Realites une Anthologie, Editions du Seuil, France, 2001.
- Conzen, M.R.G. (2004) 'Morphogenesis, morphological regions and secular human agency in the historic townscape, as exemplified by Ludlow', in Conzen, M.P. (ed.) (2004) Thinking about urban form: papers on urban morphology, 1932-1998 (Lang, Oxford) 116-42.
- Whitehand, J.W.R. (2001) 'The physical form of cities: a historico-geographical approach', in Paddison, R. (ed.) Handbook of urban studies (Sage, London) 69-87.
- Eisner, G., The Urban Pattern.
- Hillier, B. and Hanson, J. (1984) The social logic of space (Cambridge University Press, Cambridge).
- Moughtin, C., Urban Design Street and Squares, 1999.
- Observatoire Urbain Du Caire Contemporain CEDEJ. All volumes
- Panerai, P., Analyse Urbaine, Edition parentheses, Marseille, 1999
- Theorizing a New Agenda for Architecture. K. Nesbitt, Ed., 1989
- Crosnier-Leconte, M. et.al. (2006), Port-Said, Architectures XIXe – XXe Siècles, Institut Français D'Archéologie Orientale, Le Caire.
- Piaton, C. (2008), Ismailia, Architectures XIXe – XXe Siècles, Institut Français D'Archéologie Orientale, Le Caire
- Piaton, C. (2011), Suez, Histoire et Architecture, Institut Français D'Archéologie Orientale, Le Caire.
- Larkham P.J. (2004), Understanding urban form?, Urban Design issue 93.
- Larkham P. J. 1998, Urban Morphology and Typology in the United Kingdom, in Petrolucci, A. (ed.) Typological process and design theory, MIT, Cambridge, Mass.

7. Facilities Required for Teaching and Learning

Data show – White boards



Course Coordinator:	Prof. Dr. Sami Sabri Shaker
Program Coordinator:	Prof. Dr. Emad El Sherbiny