

Research Methods in Architecture 0902700

1	Course title	Research Methods in Architecture
2	Course number	0902700
3	Credit hours (theory, practical)	3 credits/theory
	Contact hours (theory, practical)	3 hours
4	Prerequisites/corequisites	
5	Program title	Architectural engineering
6	Program code	2
7	Awarding institution	University of Jordan
8	School	Engineering
9	Department	Architectural engineering
10	Level of course	Graduate
11	Year of study and semester (s)	Second semester
12	Final Qualification	
13	Other department (s) involved in teaching the course	
14	Language of Instruction	English
15	Date of production/revision	2019/2020

Course Schedule:

Mondays and Wednesdays 5:15 pm, 8:15 pm

Course Coordinator:

Dr Saleem M Dahabreh, Phd Location: Office 33, faculty of Art and design Email: saleem.dahabreh@ju.edu.jo

Other instructors:

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Course Description:

The aim of this course is to develop students' knowledge and understanding of the role and conduct of quantitative and qualitative research methods in planning [and urban design]. Intellectual and methodological debates will be discussed in order to assist students to develop informed opinions and a critical appreciation for other's research. The imperative for ethical research practice will be presented. The course equips students with the skills to review and conduct methodologically sound research as a part of their professional work. Students develop the skills to recognize and reflect on the strengths and limitations of different research methodologies, understand the links between theory and practice, critically assess research, and address ethical and practical issues. The course takes a step-by-step approach to the design and implementation of quantitative and qualitative techniques including case study and precedent studies, surveys, interviews, focus groups, participant observation, textual and media analysis. How to manage and analyse data (including computer assisted), and how to write up and present findings are core components of this course. Students will be equipped with the knowledge and

ability to undertake original research projects and develop a set of transferable workplace skills.

Course Learning Outcomes

A- Aims:

- Develop an ability to apply effective, creative and innovative solutions to research problems
- Develop teamwork, and interpersonal skills in negotiating research programs via use of problem solving and critical thinking exercises in research case studies
- Critically evaluate the efficacy of virtual means of delivering or developing research strategies
- Encourage and develop skills that will enhance the fulfilment of ongoing and continuous learning and intellectual curiosity via independent learning exercises
- Demonstrate, by use of role model examples, how research can help support leadership and better decision making within the community and in the public and private sectors
- Develop an understanding of cross cultural contexts and the nuances/implications of cross cultural research

Student Performance Criteria

B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to

- A5. Investigative Skills: Ability to gather, assess, record, apply, and comparatively evaluate relevant information within architectural coursework and design processes.
- A9. Historical Traditions and Global Culture: Understanding of parallel and divergent canons and traditions of architecture, landscape and urban design including examples of indigenous, vernacular, local, regional, national settings from the Eastern, Western, Northern, and Southern hemispheres in terms of their climatic, ecological, technological, socioeconomic, public health, and cultural factors.
- A11. Applied Research: Understanding the role of applied research in determining function, form, and systems and their impact on human conditions and behavior.
- C1. Collaboration: Ability to work in collaboration with others and in multidisciplinary teams to successfully complete design projects.

Course requirements:

Grade breakdown:

- Quizzes, response papers, and class participation 10%
- In-class midterms 30%
- Report 10%
- Final exam 50%

For the final grades of this course, active involvement in the course during the seminars, exams and quizzes scores, the quality of the term paper writing, as well as verbal and visual presentation and the will be assessed. Participation therefore does not mean pure presence in the class room but active contributions to the seminar discussions. Students who haven't made any question or comments to the content of the course during the seminars cannot achieve a participation grade of B or above.

The midterm exam as well as the final exam will evaluate factual, procedural, and conceptual knowledge developed by students across the semester. For the term paper, the intellectual strength of the argumentation and the proper structuring of the paper are valued most. Nevertheless, a good or excellent grade (B or above) can only be achieved if the paper is based on a solid research on the specific topic and a professional presentation. Texts which fail to name all sources of their information (incl. image sources) properly will not be considered for grades in the B range or above. To be able to involve in the discussions and get a broader theoretical understanding students are expected to read the seminar texts for each session provided for the students.

Grade Scale:

Approximate distribution of students within scale

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
88-100	84-87	79-83	75-78	71-74	66-70	62-65	58-61	54-58	53-50	45-49	0-44
15%		65%						20%			

REQUIRED BOOKS

RECOMMENDED BOOKS

Readings

Readings are assigned for each class. You are required to complete the readings BEFORE each class for which they are assigned. You should come to class prepared to discuss the readings. See "required books" for the books you must purchase.

Teaching Methods and Assignments:

This course is theoretical in nature, as such, it will be run as a seminar that depends on lectures and literature reviews. Run as a seminar, the delivery is intended to be open-ended, well structured, and directed. Nevertheless, to maximize students benefit of the course, the course will include an application part where students will analyse and present readings. The class will meet twice weekly. In the first part of the semester, lectures will depend on material prepared by the lecturer, which will provide students with basic knowledge required for the second and third parts of the course. During the second part of the semester, lectures will take more the form of a seminar where students will participate more through previously summarized reading material and essays. All through the course, students will be encouraged to direct the objects of discussion, to discuss and workshop their own critical writing, and to comment critically on the work of their peers. There will be an emphasis on both writing as a craft, and architectural modelling skills. Discussions will centre around the analysis of texts as well precedents.

Students will be provided with their reading material two weeks before its due time. Students may work in groups of twos in doing their projects.

- Assessment must encourage and reinforce learning.
- Assessment must enable robust and fair judgements about student performance.
- Assessment practices must be fair and equitable to students and give them the opportunity to demonstrate what they have learned.
- Assessment must maintain academic standards.

Course Policies

All university rules and regulations will be strictly followed in evaluating students.

A- Attendance policies:

Absence percentage will not exceed 15% of the total lectures of the semester, which means that by the sixth absence, the student will not attend the final exam. Leaving class before it ends, or taking an extended bathroom or water break that lasts 1/3 of the class time or longer, will be considered an unexcused absence.

B- Absences from exams and handing in assignments on time:

- assignments are to be handed in on the dates and times scheduled
- incomplete work is accepted with the highest grade being at a C
- late work is not accepted
- work submitted by others is not accepted
- extensions are not granted
- make-ups are not granted

If a student is unable to submit a piece of coursework or attend an exam by the published deadline due to circumstances beyond control such as an emergency or other mitigating reasons that is accepted by the University (The circumstances must be fully and officially documented), the student has to hand it in as soon as he/she can after that. There will be no adjustment made for absence, late work, or incomplete work due to controllable events (such as visits to the Student Health

Center, job interviews, holiday flights, and work schedules).

The grade of I (Incomplete) is assigned ONLY in accordance with the criteria set out in the School of engineering Bulletin and University regulations. A grade of Incomplete may be given only when the work of the course is substantially completed when the student's work is of passing quality.

C- Health and safety procedures:

D- Honesty policy regarding cheating, plagiarism, misbehavior:

Misbehaviour:

Instructor may refuse a student admission to a lecture, a tutorial or learning activity set out in the course outline because of lateness, misconduct, inattention or failure to meet the responsibilities of the course set out in the course outline. Students who neglect their academic work may be assigned a final grade of N or debarred from final examinations.

Behaviours that inhibits other students' ability to learn and an instructor's ability to teach persistently or grossly interferes with classroom activities is considered disruptive and is subject to disciplinary action. A student responsible for disruptive behaviour may be required to leave class pending discussion and resolution of the problem and may be reported to the Office of Student Judicial Affairs for disciplinary action.

Academic dishonesty includes but is not limited to acts such as cheating on exams or assignments; plagiarizing the words or ideas of others; fabricating material or citations; facilitating acts of academic dishonesty by others; claiming authorship of works done by others whether students or professionals; submitting work completed previous works by self or others; and/or submitting the same work to multiple classes in which a student is enrolled simultaneously. All these cases will be dealt with according to the rules and regulation stated out in the rules and regulations applied at the University of Jordan as posted on the University webpage