

The University of Jordan Faculty of Engineering and Technology Department of Architectural Engineering	
Course title:	Environmental control
Course number	0902473
Units	3 credit hours
Semester	Second semester 2014-2015
Day and time of lectures	Sunday, Tuesday, and Thursday 12 - 13 pm
Professor	Abdulsalam A. Alshboul
Office	Department of Architecture 3 rd level
	Phone: 0796008937
	Email: alshboul@ju.edu.jo
	Office hours: Sunday 1 pm-3 pm Tuesday 1-3 pm Thursday (10-12 pm), (1-3pm).
Introduction and purposes	<p>Environmental control is a course that introduces the student to the main concepts of environmental control and design, related to architectural design. The study of the relationship of the building with the outdoor environmental conditions is introduced also in this course.</p> <p>The main objectives of this course may be summarized as follow:</p> <ol style="list-style-type: none"> 1) To be familiar with the fundamental scientific terms and definitions related to environment and environmental design. 2) To understand the relationship between man, climate and architecture. 3) To be able to know how to use climatic data in environmental design and control. 4) Understand solar geometry and how this is reflected on environmental design. 5) To understand the main concepts of sustainable, green, and climate responsive design.
Course requirements and grades	<p>Text book: Letchner, Norbert. (1990), Heating, cooling, lighting, design methods for architects.</p> <p>In addition to the main textbook, further</p>

	readings and handouts will be distributed to students throughout the course. And they will be obtained from many other references.
Grading breakdown	Percentages of grades will be as follow: 1)Midterm exam -----30% 2) assignments, quizzes and reports during the course --20% 3) final examination ----- 50% ** No portion of the grade should be for attendance per se.
Midterm exam (30%)	24 March 2015, Tuesday, 12 -1 pm Class: design studio 002 and 004
Report submission	30 April 2015, Thursday or before this date.
Sources and references	