



4 -	a4. Identify data and requirements for designing complex mega projects which are similar to his/her own building type.
<b>b. Intellectual Skills: :</b>	
1 -	Solve design problems using models, drawings and diagrams.
2 -	Conceptualize ideas in the form of three dimensional objects and spaces.
3 -	Criticize alternatives.
4 -	Choose among different design alternatives.
<b>c. Professional and Practical Skills: :</b>	
1 -	c1. Create architectural designs that integrate social, aesthetic and technical requirements.
2 -	c2. Use appropriate graphic and modeling techniques for representation.
3 -	c3. Submit professional good looking complete and integrated drawings.
<b>d. General and Transferable Skills: :</b>	
1 -	d1. Communicate effectively with other people using visual, graphic, written and verbal means.
2 -	d2. Work in a self-directed manner.
3 -	d3. Work coherently and successfully as a part of a team in projects and assignments.
4 -	d4. Manage time and meeting deadlines.
5 -	d5. Analyze problems and use innovative thinking in their solution.
6 -	d6. Use the Internet in searching for information about specific building types. 4- Course ILOs versus Program ILOs relation

#### **Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
First sketch design	40	-	40
Second sketch design	20	-	20
Third sketch design	30	-	30
Fourth & Final sketch design	30	-	30
Final Submission & Jury	30	-	30

#### **Teaching And Learning Methodologies :**

Lectures & presentations  
Discussions of collected data  
Students' suggested site visits

#### **Course Assessment :**

Methods of assessment	Relative weight %	Week No	Assess What
External Jury	25.00		
First Submission	5.00		—
Fourth Submission	15.00		
Internal Jury	10.00		

Internal Jury Head of Department: Prof. Dr. Samir Sadek Hosny	15.00		
Participation & Performance	10.00		
Second Submission	10.00		—
Third Submission:	10.00		—

#### **Course Notes :**

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#### **Recommended books :**

- Neufert, Architects Data.
- Time Saver Standards, Handbook.
- Architectural Magazines and Projects.
- Internet Resources that highlight design concepts of similar projects.

#### **Periodicals :**

- ~ Architecture
- ~ Architectural Record
- ~ Architectural Review
- ~ Architecture d'aujourd'hui

#### **Web Sites :**

- ~ [www.architecturalrecord.com](http://www.architecturalrecord.com)
- ~ [www.greatbuildings.com](http://www.greatbuildings.com)