Philadelphia University
Faculty of Engineering
Department of Architecture
1st semester, 2009/2010

Course Syllabus

Course Title: design 5	**Course code: 660321**
Course Level: 3rd year	**Course prerequisite (s) 660222**
Lecture Time: Mon & Wed **9:30-12:30 1:00-4:00**	**Credit hours: 4**

Academic Staff Specifics

Name	Rank	Office Number and Location	Office Hours	E-mail Address
Prof. Samer Abu Ghazalah	**Prof.**	**E 06408**	**8-9 Sun** **12-1 Sun. – Tue.** **12-1 Mon. Wen**	**samerabugazaleh@yahoo.com**
Arch. Anan kakani	**Teacher**	**E 06410d**	**12-1 Sun. – Tue.** **12- 3 Thu.**	**anankakani@yahoo.com**
Dr.				

Course module description:
This course introduces students to design multi function buildings with special emphases on circulation and three-dimensional images. This is achieved through design principles and making models.

Course module objectives:

1- To introduce students to a completely new design theme by studying the development of multi functional building, and making them capable to deal with design principles through modeling
2- To develop students imagination and thinking to visualize three-dimensional drawings that express his or her personality.
3- To develop students abilities to introduce new concepts and themes.

Course/ module components
This course is achieved through 12 hours working studios per week by specialized tutors.

- **Books (title , author (s), publisher, year of publication)**

A number of journals and books are suggested at the end.

- **Support material:** Students have to develop their own experience through looking at extensive examples from Internet and library and by visits to deferent sites and cities,
- **Homework and laboratory guide:** students are requested to prepare a sketch book, folder keeping, album ..etc.

Teaching methods:

Studios over the week should provide the students with enough information to develop their projects and concepts. Students are requested to share and prepare material related. Sketch designs and long-term projects are carried out through the whole semester.

Learning outcomes:

- Knowledge and understanding
  To build up abilities in designing three-dimensional multi function buildings.

- Cognitive skills (thinking and analysis).
  Develop personal abilities in design

- Communication skills (personal and academic).
  Architectural students will be able to communicate and interpret their own design with others.

- Practical and subject specific skills (Transferable Skills).
  This course will make the architectural students qualified to design ideas and complexities using proper methods.

Assessment instruments

- Design drawings, sketches and projects are evaluated by a jury committee and instructors
- Final examination according to the following table:

Allocation of Marks	
Assessment Instruments	**Mark**
Project 1	**40%**
Project 2	**40%**
Final Jury	**20%**
Total	**100%**

Documentation and academic honesty

- Students are requested to illustrate references whatever extracted from books, magazine or web sites, in order to respect the copyright protection and avoid plagiarism.

Course/module academic calendar

Week No.	Dates	Requirements	Grades
1.	11/10 – 17/11/2009	Introduction to the first project & Site visit	
2.	18/10 - 24/10/2009	Site analysis & program analysis & case studies	5
3.	25/10 – 31/10/2009	Concept & Plans study	5
4.	1/11 – 7/11/2009	Sections study & Elevations & 3d studies	5
5.	8/11 – 14/11/2009	Presentation	5
6.	15/11 – 21/11/2009	Submission & jury	
7.	22/11 – 28/11/2009	holiday	20
8.	29/11/ - 5/12/2009	Introduction to the second project & Site visit	
9.	6/12 – 12/12/2009	Site analysis & program analysis & case studies	5
10	13/12 – 19/12/2009	Concept	5
11.	20/12 – 26/12/2009	Plans study	5
12.	27/12 – 2/1/2010	Sections study & Elevations & 3d studies Sections study	5
13.	3/1 – 9/1/2009	Presentation	
14.	10/1 – 16/1/2009	Submission	20
15.	17/1 – 23/1/2009	jury	20
			100

Expected workload:

On average students need to spend 12 hours in studio per week plus another at least 12 hours at home to develop their own projects

Attendance policy:

Absence from lectures and/or tutorials shall not exceed 15%. Students who exceed the 15% limit without a medical or emergency excuse acceptable to and approved by the Dean of the relevant college/Faculty shall not be allowed to take the final examination and shall receive a mark of zero for the course. If the excuse is approved by the Dean, the student shall be considered to have withdrawn from the course.

Module references

Books

- Francis Ching, Architecture, form, space and order, John Wiley and Sons, Canada 1996
- Baker, Geoffrey H (1993). Design Strategies in Architecture and Approach to the Analyses of Form, New York Van Nostrand Reinhold
- Laseau, Paul (1989). Graphic Thinking for Architects and Designers. New York Van Nostrand Reinhold.
- Wong, W. Principles of Form and Design, New York, 1993
- Akbar, J., (1995). Earth Architecture in Islam, Al-Risala Press, (trans.) Buiret.

- Danby, M., (1963). Grammar of Architectural Design, Oxford University Press, London.
- Grube, O., Skidmore, Owings and Merrill, (1984). Architecture and Urbanism 1973-1983, Thames and Hudson, London.
- Architectural Record journal
- AA journal
- Architectural Digest journal
- Mimar journal
- Al-Binaa journal
- JA journal

Project program:

Project N0.	one
Project name	**Bank –** Philadelphia university branch
Location	Philadelphia University – Jordan
Requirements	Site plane 1\100 Plans, Elevations and Sections 1\100 Mass model 1\200 Final model 1\100

Space name	Area in m²	Quantity	Total area
Entrance	20	1	20
Waiting area	30	1	30
Customer lanes	20	3	60
Staff offices	9	3	21
W.C'S	5	2 Men + Women	10
Manager	20	1	20
A.T.M.	4	2	8
Storage	5	1	5
Circulation	30%	1	50
Security	9	1	9
Lockers	15	1	15
Total built area			~250 m²
Parking	2.5x5	10 cars	125
Landscape			

Good luck

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Course Syllabus

Course Title: Freehand 1	**Course code: 660113**
Course Level: 1st year	**Course prerequisite (s)**
Lecture Time: Sun & Tue 9:00-12:00	**Credit hours: 2**

Academic Staff Specifics

Name	Rank	Office Number and Location	Office Hours	E-mail Address
Prof. Samer Abu Ghazalah	**Prof.**	**E 06408**	**8-9 Sun** **12-1 Sun. – Tue** **12-1 Mon. Wen**	**samabughaza@yahoo.com**
Arch.				

Course module description:
This course introduces students to freehand with special emphases on practicing with pencil. This is achieved through studio problems and exercises.

Course module objectives:

1 To introduce students to a completely new theme in freehand drawings by studying the development of lines, planes and volumes.

2 To develop students imagination and thinking to visualize and draw three-dimensional drawings that express his or her personality.

3 To develop students abilities to introduce new images and themes.

Course/ module components
This course is achieved through 6 hours working studios per week by specialized tutors.

- **Books (title , author (s), publisher, year of publication)**

A number of journals and books are suggested at the end.

- **Support material:** Students have to develop their own experience through looking at extensive examples from Internet and library and by visits to deferent sites and cities.
- **Homework and laboratory guide:** students are requested to prepare a sketch book, folder keeping, album ..etc.

Teaching methods:

Studios over the week should provide the students with enough information to develop their projects and drawings. Students are requested to share and prepare material related. Sketch designs are carried out through the whole semester.

Learning outcomes:

- Knowledge and understanding
  To build up abilities in drawing three-dimensional objects.
- Cognitive skills (thinking and analysis).
  Develop personal abilities in drawing.
- Communication skills (personal and academic).
  Architectural students will be able to communicate and interpret their own drawings with others.
- Practical and subject specific skills (Transferable Skills).
  This course will make the architectural students qualified to draw ideas using proper methods.

Assessment instruments

- Design drawings, sketches and projects are evaluated by a jury committee and instructors
- Final examination according to the following table:

Allocation of Marks	
Assessment Instruments	**Mark**
Projects	**40%**
Assignments	**40%**
Final Jury	**20%**
Total	**100%**

Documentation and academic honesty

- Students are requested to illustrate references whatever extracted from books, magazine or web sites, in order to respect the copyright protection and avoid plagiarism.

Course/module academic calendar

Week No.	Dates	Requirements	Grades
1.	11/10 – 17/11/2009	Introduction to the first project Lettering	10
2.	18/10 - 24/10/2009	Drawings lines	5
3.	25/10 – 31/10/2009	Drawings planes	5
4.	1/11 – 7/11/2009	Drawings volumes	5
5.	8/11 – 14/11/2009	Drawing trees	5
6.	15/11 – 21/11/2009	Drawing cars	5
7.	22/11 – 28/11/2009	holiday	
8.	29/11/ - 5/12/2009	Drawing human figures	5
9.	6/12 – 12/12/2009	One way vanishing point drawing	5
10	13/12 – 19/12/2009	Exercises on One vanishing point drawing	5
11.	20/12 – 26/12/2009	Two vanishing point drawing	5
12.	27/12 – 2/1/2010	Exercises on Two vanishing point drawing	5
13.	3/1 – 9/1/2009	Small project	10
14.	10/1 – 16/1/2009	Submission	10
15.	17/1 – 23/1/2009	Final exam & jury	20
			100

Expected workload:

On average students need to spend 6 hours in studio per week plus another at least 6 hours at home to develop their own projects

Attendance policy:

Absence from lectures and/or tutorials shall not exceed 15%. Students who exceed the 15% limit without a medical or emergency excuse acceptable to and approved by the Dean of the relevant college/Faculty shall not be allowed to take the final examination and shall receive a mark of zero for the course. If the excuse is approved by the Dean, the student shall be considered to have withdrawn from the course.

Module references

Books

Gill, R., Rendering with Pen and Ink, Thames and Hudson, London, 1979

Wong, W. Principles of Form and Design, New York, 1993