

مشروع المنشآت المعدنية

السنة الرابعة مدنى

الفصل الدراسى الثانى
العام الجامعى 2017/2018

1. **Instructor and Advisers**

Table 1: Coordinators and Advisers

Course	Steel Structures Project, 4 th Year Civil, 2017-2018								
Instructor and Advisers	<p>Coordinators: Dr. Ashraf Osman Dr. Hesham Hamed</p> <p>Advisers:</p> <table> <tr> <td>1. Group A: Dr. Ahmed Rashed</td> <td>Dr. Ahmed Sabry</td> </tr> <tr> <td>2. Group B: Dr. Mazhar Salah</td> <td>Dr. Sherif Mourad</td> </tr> <tr> <td>3. Group C: Dr. Ashraf Osman</td> <td>Dr. Hesham Hamed</td> </tr> <tr> <td>4. Group D: Dr. Ahmed Farouk</td> <td>Dr. Hazem Ramadan</td> </tr> </table>	1. Group A: Dr. Ahmed Rashed	Dr. Ahmed Sabry	2. Group B: Dr. Mazhar Salah	Dr. Sherif Mourad	3. Group C: Dr. Ashraf Osman	Dr. Hesham Hamed	4. Group D: Dr. Ahmed Farouk	Dr. Hazem Ramadan
1. Group A: Dr. Ahmed Rashed	Dr. Ahmed Sabry								
2. Group B: Dr. Mazhar Salah	Dr. Sherif Mourad								
3. Group C: Dr. Ashraf Osman	Dr. Hesham Hamed								
4. Group D: Dr. Ahmed Farouk	Dr. Hazem Ramadan								
References	<ol style="list-style-type: none"> Egyptian Code of Practice for Steel Construction & Bridges (Allowable Stress Design) Design of Steel Structures – Parts 1 & 3 E. S. B. Machaly, Faculty of Engineering, Cairo University Lecture Notes on Design of Cold-formed Sections 								

2. **Selection of Project:**

Advisors of “Steel Structures Project” will assign a separate project for each student in the group such that:

- Projects are not repeated or exchanged among students.
- Projects are not altered and/or modified without approval from advisors’

3. **Required Submittals:**

□ **Report:**

The project report will include neat sketches and design calculations covering the following topics:

- Title page including, Designation, Name, Advisors, Academic Year, etc...
- Description and general layout
- Design criteria and loads
- Loads on main system
- Analysis of main system
- Design of members
- Design of connections
- Verification of strength and serviceability requirements
- Loads on floor system(s).
- Analysis and design of floor system(s).
- Loads on bracing system(s)
- Analysis and design of bracing system(s)
- Appendices: (if any)

□ Drawings

Required drawings can be classified into several groups. The number of drawings in each group may vary according to the requirements of each project that were set by advisors.

- Group 1: (General Notes, Drawings List, General layout (scale 1:100))
- Group 2: (Base plates, anchor bolts and Columns (scale 1:100))
- Group 3: (Details of Main System(s), (scale 1:10))
- Group 4: (Details of Floor System(s), (scale 1:10))
- Group 5: (Details of Bracing System(s), (scale 1:10))
- Group 6: Miscellaneous systems and details (scale 1:10)

4. Working Plan

Table 2: Working Plan

Week	Date	Follow Up
1	12/3	Assigning project units.
2	19/3	Review of the Structural System including bracing system and base connection types (Statical System) in a form of layout
3	26/3	Mid-Term Exam
4	2/4	Final System + Design + Load Calculations and Combinations.
5	9/4	Holiday
6	16/4	Analysis of Main System(s), Load Patterns, Load Combinations.
7	23/4	Analysis of Main System(s), Internal Forces, etc....
8	30/4	Design of Main System(s).
9	7/5	Design of Main System(s).
10	14/5	Analysis of Main System(s), Load Patterns, Load Combinations.
11-13	19/5-10/6	Final Exam
14-1	11/6	Review of Main System Design
14-2	13/6	Review Secondary system design
15-1	19/6	Review Secondary system design
15-2	21/6	General Arrangement Drawings
16-1	24/6	General Arrangement Drawings
16-2	27/6	Connection Design and Drawings
17-1	1/7	Connection Design and Drawings
17-2	4/7	Detail Drawings
18-1	8/7	Detail Drawings
18-2	11/7	Submittal of Project.

Table 3: List of Students, Groups and Advisers

Adviser	Group	Name	BN	Section	UNIT#
Dr. Ahmed Rashed Dr. Ahmed Sabry	Group-1	عمر خالد وهبه متولى	10	6	18
		شريف نبيل عوض محمد	4	5	28
		فؤاد سمير عبدالفتاح عبدالوهاب	28	6	5
	Group-2	مصطفى عبدالحميد عبدالعظيم	26	9	23
		محمد علي حبشي علي جمعه	١٣	٨	29
		محمد عبدالعليم محمد عبدالعليم	٨	٨	30
		أحمد علاء طلعت عبدالرحمن	28	١	2
Dr. Mazhar Salah Dr. Sherif Mourad	Group-3	محمد محمود محمد انور عبده	٢٦	٨	24
		احمد ايهاب محمد ابراهيم	١٣	٩	12
		محمود هشام محمود سيف النصر	١٨	١	16
	Group-4	عبدالرحمن علاء الدين محمد	١٧	٥	7
		محمد علي احمد علي شحاته	١١	٨	21
		محمد سمير محمد محمد يوسف	٣١	٧	20
Dr Ashraf Osman Dr Hesham Hamed	Group-5	منة الله مدحت سيد حسونه	٣	١٠	17
		محمد فوزي اسماعيل محمد موسى	١٨	٨	15
		الاء مصطفى عبدالرحيم احمد الحداد	٣	٣	14
	Group-6	محمد كمال عبدالعال عفيفي	١٩	٨	26
		ابراهيم مصطفى مصلح			٨
		احمد مجدي عبدالحميد محمد	٣١	١	13
Dr. Ahmed Farouk Dr. Hazem Ramadan	Group-7	عمرو فتحي سيد احمد محمد عباس	٢١	٦	10
		عيسى السيد حامد رزق	٢٥	٦	6
		حسين جمال حسين احمد	١٢	٤	22
	Group-8	احمد محمد طه مصطفى	٣	٢	25
		ابو عبيده عمر احمد على	٤	١	3
		مي اشرف محمود جمال الدين	4	١0	27

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