

CB 519
Construction Project
Management 2

Dr. Mohamed Saeid Eid

Fall - 2017

Resume

Dr. Mohamed Saeid Eid

- BS and MS in construction Engineering, AAST (2008, and 2012, respectively)
- PhD in Civil and Environmental Engineering, Construction focus, University of Tennessee, Knoxville (2017)

TA

- Eng. Kareem Adel

Syllabus

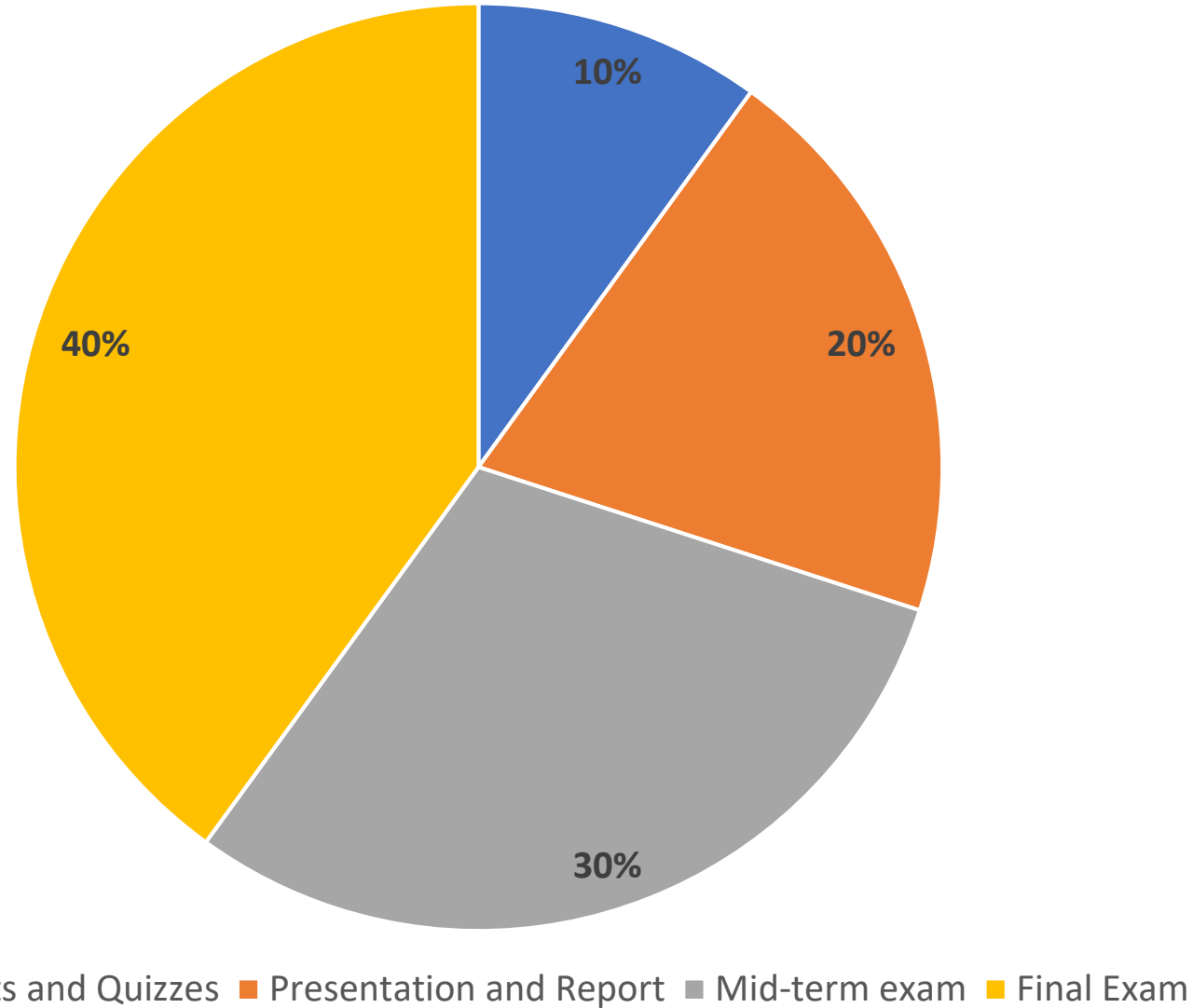
- What do you expect to learn?
 - Stochastic Scheduling
 - Time-Cost Tradeoff
 - Repetitive Activities Scheduling
 - Risk Management
- What will gain from the class?
 - Advanced planning and management skills
 - Presentation skills and continuous learning ability
- What do I expect from my students?
 - Attention and participation
 - Further research and readings

Syllabus - Content

Week#	Date	Title
1	16-21/9	Introduction, Review on Planning and CPM
2	23-28/9	Stochastic scheduling and PERT
3	30/10 – 5/10	Stochastic scheduling and PERT
4	7-12/10	Research Trip – Quiz
5	14-19/10	Time-cost tradeoff
6	21-26/10	Repetitive activities scheduling
7	28/10 – 2/11	7 th week exam
8	4-9/11	Line of Balance
9	11-16/11	Productivity
10	18-23/11	Risk Management
11	25-30/11	Value Engineering
12	2-7/12	12 th week exam
13	9-14/12	A.I. in construction
14	16-21/12	Presentation
15	23-28/12	Revision

Syllabus – Grading

- 30% on the 7th week
 - 10% quizzes and assignments
 - 20% exam
- 20% on the 12th week
 - 10% Presentation and Report
 - 10% exam
- 10% Presentation and Report
- 40% final exam



Class rules

- Contact
 - No phone calls. Each call worth -5% of your grade.
 - eng.saeid@gmail.com
 - Use an appropriate subject title, and English language only
 - Website: Msaeideid.com
- Late assignments
 - No late assignments are accepted beyond due date
- Teamwork
- Class ethics and *Academic Honesty*
- NO CELL PHONES!

CB 516 review

- Planning and scheduling
 - What is planning?

- CPM

CPM review problem

Activity	Predecessor	Duration
A	--	1
B	A	7
C	A	6
D	A	3
E	B	3
F	B,C	7
G	D	8
H	E,F	7
J	F	5
K	F,G	3
L	H,J,K	5

Drawbacks of CPM

- “No battle plan survives contact with the enemy” Field Marshal Helmuth von Moltke, German military strategist

Crews production

Stochastic nature of the construction site

Resource continuity in repetitive activities projects

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