

Peer Evaluation and Final Exam

EECE401 Senior Design I

EECS
Howard University

- Peer Evaluation
- Final Exam
- Submission of
 - Peer Evaluation (individual)
 - **No submission, no team credit**

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Why do we do peer evaluation? More than just tasks

- Effective Team Output:
 - “(task) productivity” & “(relationship) morale”
- Key to Success
 - (Balance) between (Task) and (Relationship)



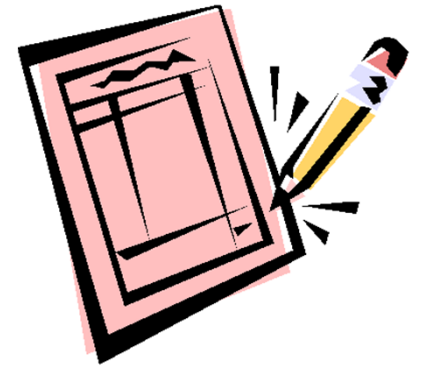
Recall also - Team

- Team
 - Composed of (Small group)
 - With (Complementary skills)
 - Committed to (Performance goals)
 - Holding each (**Mutual Accountability**)



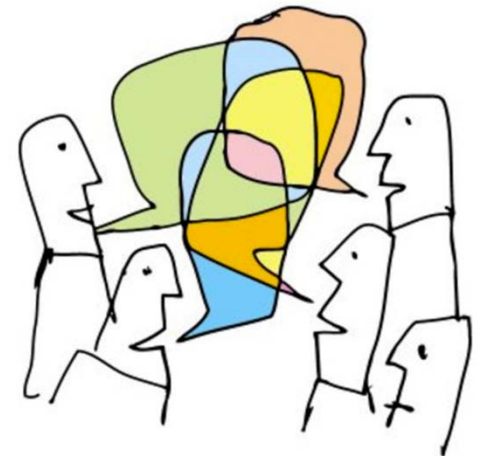
Recall also - Team Contract – Joining a team

- Goal
- Expectations
- Rules and Policies
- Commitment



Peer Evaluation – Rationale

- **What?**
 - Evaluation of each team member's strength and weakness in terms of **Tasks** and **Relationships**
- **Why ?**
 - **Teamwork & Fairness**
- **How?**
 - Each member rate other team members and fill out the form individually
 - Each member submits the form via **email by (T) Dec 3 5:00pm.**
 - The submitted evaluation forms and results are kept confidentially by the advisor or the instructor.
 - But will be used in grading



Peer Evaluation Form

- For each of the 10 items (**Task + Relationship**), each team is given a sum of money by the following formula:
 $\$ = (N-1)*500$, N = number of team members (**EE /CpE Senior students only**).
 - Team ABC: N=3, a total of $(3-1)*\$500 = \1000 per each item
- Each student, for each item, distributes the sum to the **other members** according to his/her performance on the item
 - Team ABC:
 - A– Divide \$1000 to B and C
 - B – Divide \$1000 to A and C
 - C – Divide \$1000 to A and B
- Do **not** evaluate self

Peer Evaluation Form (due T Dec 3, 5:00pm)

Peer Evaluation Form									
Senior Design Class									
Date	12/06/2018								
Your Name	Price								
Project Team	Grand Finale								
Number of Team Members (N)	4								
Instruction:	<p>For each of the 10 items below, each project team receives \$500 per person (for N-1 persons) for every item (or row) For example, if a team has 3 members, the team receives $500 \times (3-1) = \\$1000$ for each item. A 4-member team receives \$1500 each item from the department. The evaluator now distributes, for each item, the team's money to each of the members EXCLUDING himself/herself by the relative performance of the members for the item. The sum of the money for each item all the team members receive must be the same as the amount team receives</p>								
Example:	4-member team								
	#	Item	Joe	Brenda	Mindy	Price	Check SUM		
	1	Works cooperatively to complete team assignments	400	600	500		1500		
	2	Prepares for, arrives on time, and attends meetings	500	600	400		1500		
	3	Makes positive contributions to meetings	500	550	450		1500		
EVALUATION	Exclude yourself in Evaluation		Last Names only						
	#	Member last names HERE -->	Name1	Name2	Name3	Name4	Name5	Name6	Check SUM
	1	Works cooperatively to complete team assignments							0
	2	Prepares for, arrives on time, and attends meetings							0
	3	Makes positive contributions to meetings							0
	4	Work is of high quality and completed on time							0
	5	Brings a creative spark to the team							0
	6	Supports and respects other members' efforts and opinions							0
	7	Is able to give and receive feedback effectively							0
	8	Is responsible and accessible							0
	9	Is enthusiastic about the project and energetic							0
	10	Demonstrates effective leadership and/or keeps team focused							0
		Total Bonus (\$)	0	0	0	0	0	0	Calculated automat

Peer Evaluation - Example 1

- 4-person team

Peer Evaluation Form						
Senior Design Class						
Date	12/08/2018					
Name	Adams					
Project Team	Slam Dunk					
N	4					
EVALUATION	Exclude Yourself	Last Names only				
		Name1	Name2	Name3	Name4	
#	Member last names HERE -->	Ann	Joe	Kris	Adams	Check SUM
1	Works cooperatively to complete team assignments	500	500	500		1500
2	Prepares for, arrives on time, and attends meetings	500	450	550		1500
3	Makes positive contributions to meetings	500	500	500		1500
4	Work is of high quality and completed on time	550	450	500		1500
5	Brings a creative spark to the team	500	450	550		1500
6	Supports and respects other members' efforts and opinions	500	550	500		1550
7	Is able to give and receive feedback effectively	600	400	500		1500
8	Is responsible and accessible	600	500	400		1500
9	Is enthusiastic about the project and energetic	600	450	450		1500
10	Demonstrates effective leadership and/or keeps team focused	550	450	500		1500
	Total Bonus (\$)	5400	4700	4950		Auto Calc

Peer Evaluation - Example 2

- 3-person team

Peer Evaluation Form						
Senior Design Class						
Date	12/08/2018					
Name	Ann					
Project Team	iProposal					
N	3					
EVALUATION	Last Names only					
		Name1	Name2	Name3	Name4	
#	Member last names HERE -->	Ann	Joe	Kris	Name4	Check SUM
1	Works cooperatively to complete team assignments	500	500			1000
2	Prepares for, arrives on time, and attends meetings		450	550		1000
3	Makes positive contributions to meetings		500	500		1000
4	Work is of high quality and completed on time		450	550		1000
5	Brings a creative spark to the team		450	550		1000
6	Supports and respects other members' efforts and opinions		550	450		1000
7	Is able to give and receive feedback effectively		400	600		1000
8	Is responsible and accessible		500	500		1000
9	Is enthusiastic about the project and energetic		450	550		1000
10	Demonstrates effective leadership and/or keeps team focused		450	550		1000
	Total Bonus (\$)		4700	5300		Auto Calc

Course Grading

- **Grading**

- Individual Score (I):35%
 - **Attendance (5 %): only on-time arrival counts**
 - Homework (essay) + Others (20 %)
 - Final Exam (10 %)
- Team Score (G): 70%
 - Team activities (30 %)
 - Team Assignment (20 %)
 - Team Presentation (20 %)
- Peer Evaluation Score (P): 0 ~ 1.0 [*** If you do not submit your peer evaluation form, your P score will be 0**]
- Individual Score (F)
 - $F = I + G * P$

- **Grades**

- **A: 90 – 100**
- **B: 80 – 89**
- **C: 70 – 79**
- **D: 60 – 69**
- **F: 0 - 59**

Final Exam (1 -2 pm T Dec 3)

- **Section 1 (60 pts): from the Lectures**
 - Lecture 1 – Definition of Engineering Design
 - Lecture 3 – Three major processes of engineering design
 - Lecture 2 – Two aspects for team success and team building
 - Lecture 8 – Life-long learning (Importance/benefits of LLL); Contexts of LLL (other than traditional classroom).
 - Lecture 6(b) – Contemporary Issues (intellectual property and compliance) & its importance in engineering design
- **Blanks in the lecture notes → in the email**
- **Section 2 (40 pts): from your own project**
 - Project Goal
 - Problem Statement
 - Design Requirements (quantified)
 - Social, cultural, environmental, intellectual, financial, time constraints (limitations)
 - Standards, rules, regulations to meet or comply
 - Final Solution Design