

# Peer Evaluation and Final Exam

EECE401 Senior Design I

EECS  
Howard University

- Peer Evaluation
- Final Exam

# Team --- Review

- Team

- Composed of ( )
- With ( )
- Committed to ( )
- Holding each ( )



- Effective Team Output:

- Productivity in ( )”
- morale through ( ) building

- Key to Success

- ( ) between ( )
- and ( )



## Peer Evaluation – Rationale

- **What?**
  - Evaluation of each team member's contribution to the team in terms of Task Achievement and Relationship Building
- **Why ?**
  - **Encouragement of Team Playing** (Expectation, rules, and commitment)
  - **Fair assessment** of team members **by contribution**
- **How?**
  - Each member rate other team members and fill out **a form individually** (in the form of **bonus** distribution)
  - The submitted evaluation forms and results **are kept confidentially** by the advisor or the **instructor**.
  - But will be **used in grading**
  - Each member submits the form via **email/Slack**.

## Peer Evaluation Form

- Task-related contribution items
  - 1. Completes assigned works before due
  - 2. Attends meetings with completed works and arrives on time.
  - 3. Brings and generates creative ideas to the team
- Relationship-related contribution items
  - 4. Supports and respects other members' efforts and opinions
  - 5. Is responsible and accessible
  - 6. Demonstrates effective leadership and/or keeps the team's morale high and strong

# Peer Evaluation Form (due (F) Dec 8, 5:00pm)

Peer Evaluation Form								
Senior Design Class								
Date								
Your team name	AutoVan							
Your name (evaluator)	Chris Hansome							
<b>Bonus distribution (as Peer Evaluation)</b>								
You have \$100 for each row to distribute your team members (except yourself). So the sum on the								
Exclude yourself in Evaluation			Last Names only					
			Name1	Name2	Name3	Name4	Name5	Name6
#	Member last names HERE -->	Peter	Toni	Katie				
<b>Task-related contribution items</b>								
1	Completes assigned works before due							0
2	Attends meetings with completed works and arrived on time							0
3	Brings and generates creative ideas to the team							0
	Task Total	0	0	0				
<b>Relationship-related contribution items</b>								
4	Supports and respects other members' efforts and opinions							0
5	Is responsible and accessible							0
6	Demonstrates effective leadership and/or keeps the team's morale high and strong							0
	Relationship Total	0	0	0				
	<b>Grand Total</b>	0	0	0	0	0	0	

# Peer Evaluation - Example

- 4-person team

Exclude yourself in Evaluation							
		Last Names only					
		Name1	Name2	Name3	Name4	Name5	Name6
#	Member last names HERE -->	Peter	Toni	Katie			
<b>Task-related contribution items</b>							
1	Completes assigned works before due	30	40	30			100
2	Attends meetings with completed works and arrived on time	35	30	35			100
3	Brings and generates creative ideas to the team	30	40	30			100
Task Total		95	110	95			
<b>Relationship-related contribution items</b>							
4	Supports and respects other members' efforts and opinions	25	35	40			100
5	Is responsible and accessible	20	40	40			100
6	Demonstrates effective leadership and/or keeps the team's morale high and strong	30	40	30			100
Relationship Total		75	115	110			
<b>Grand Total</b>		<b>170</b>	<b>225</b>	<b>205</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Peer Evaluation - Example

- Alternative Format

- Any format is possible if the necessary information is included

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	Peter	Toni	Katie
#1	30	40	30
#2	35	30	35
#3	30	40	30
sub1	95	110	95
#4	25	35	40
#5	20	40	40
#6	30	40	30
sub2	75	115	110
TOTAL	170	225	205







# Course Grading

- **Grading**
  - **Individual Score (I):25% + 5%**
    - **Attendance (5 %) EXTRA**
    - **Ethics Essay (10 %)**
    - **Final Exam (10%)**
    - **Team Participation (-graded by team leader) (5%)**



# Course Grading

- **Grading**
  - **Team Score (G): 75%**
    - **Team Assignments (55 %): Solution Design Process –**
      - Team contract(5),
      - Problem Statement (5)
      - Design Req (5)
      - Sol and Alt Sol (10)
      - Top Solution Description(10)
      - Blue print (10)
      - Report (10)
    - **Team Presentation (15%)**
    - **Other Team Activities (5%): Patent etc**
  - **Peer Evaluation Score (P):**
  - **Individual Score (F)**
    - **$F = I + G * P$**

	<b>Grades</b>
	<b>A: 90 – 100</b>
	<b>B: 80 – 89</b>
	<b>C: 70 – 79</b>
	<b>D: 60 – 69</b>
	<b>F: 0 - 59</b>

**Final Exam (11:00am -1:00pm (M) Dec 4)**  
**In-person in-class paper-pen exam**

- **Section 1 (50 pts): from the Lectures**
  1. Definition of Engineering Design
  2. Three major processes of engineering design
  3. Team, team success, and team building
  4. Solution Generation Process
  5. Engineering Ethics
- **Section 2 (50 pts): from your own project**
  1. Problem Statement
  2. Design Requirements – Product specification
  3. Design Requirements - Standards, Social, cultural, environmental, constraints (limitations)
  4. Decision-Making process for top solution design from 2 design ideas
  5. Final Solution Design – Patent formatted description

# Timeline

(M) Dec 5	<b>Final Exam</b> (11:00am – 1:00pm) at 3105 LKD
(F) Dec 8	<b>Peer Evaluation Submission due</b>