

# Peer Evaluation and Final Exam

EECE401 Senior Design I

EECS  
Howard University

- Peer Evaluation
- Final Exam

# Peer Evaluation



## Why do we do peer evaluation?

- 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 by (M) Dec 6 8:00pm**.

- 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 - Example

• 4-person team

Peer Evaluation Form							
Senior Design Class							
Date	12/06/2021						
Your team name	AutoNav						
Your name (evaluator)	Chris Hansome						
<b>Bonus distribution (as Peer Evaluation)</b>							
For each of the 6 items below, you have \$600 to distribute to your fellow team members. The total amount distributed to them must be \$600 or less.							
Exclude yourself in Evaluation							
		Last Names only					
		Name1	Name2	Name3	Name4	Name5	Name6
#	Member last names HERE -->	Peter	Toni	Kris			
<b>Task-related contribution items</b>							
1	Completes assigned works before due	200	150	250			600
2	Attends meetings with completed works and arrived on time	250	200	150			600
3	Brings and generates creative ideas to the team	250	175	175			600
<b>Relationship-related contribution items</b>							
4	Supports and respects other members' efforts and opinions	150	200	250			600
5	Is responsible and accessible	175	250	175			600
6	Demonstrates effective leadership and/or keeps the team's morale high and strong	250	175	175			600
<b>Total Amount</b>		<b>1275</b>	<b>1150</b>	<b>1175</b>	<b>0</b>	<b>0</b>	<b>0</b>

- Alternative Format

- Any format is possible if the necessary information is included

Peer Evaluation

Date: 12/6/2021

Team: AutoNav

Evaluator: Chris Hansome

#	Peter	Toni	Kris
1	200	150	250
2	250	200	150
3	250	175	175
4	150	200	250
5	175	250	175
6	250	175	175
Total	1275	1150	1175

# Course Grading

- **Grading**
  - Individual Score (I):40%
    - Individual Assignment (10 %)
    - Technical Essay (10 %)
    - Team Participation (10%)
    - Final Exam (10 %)
  - Team Score (G): 60%
    - Team activities + Team Assignment (30 %)
    - Presentation (20 %)
    - Solution Design Report (10 %)
  - Attendance(A) (5 %)
  - Peer Evaluation Score (P):
  - Final Score (S)
    - $S = A + I + G * P$

## ⌘ Grades

☒ A: 90 – 100

☒ B: 80 – 89

☒ C: 70 – 79

☒ D: 60 – 69

☒ F: 0 - 59



**Final Exam (2:00pm - 4:00pm (M) Nov 29  
- *Timed-Assignment* in the Blackboard**

- **Section 1 (50 pts): from the Lectures**
  1. Definition of Engineering Design
  2. Three major processes of engineering design
  3. Two aspects for 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 (quantified)
  3. Social, cultural, environmental, intellectual, financial, time constraints (limitations)
  4. Standards, rules, regulations to meet or comply
  5. Final Solution Design

# Timeline

<b>Due Date</b>	<b>Submission Due</b>
(M) Nov 1	Section 1 (Individual solutions) Section 2 (Selection of 2 solutions using pros & cons)
(M) Nov 8	Section 3 (Selection of the top solution design using decision matrix) Section 4 (Description of the top solution design following the patent application description)
(M) Nov 15	<b>Final Solution Design</b>
(M) Nov 22	<b>Project Design Presentation</b>
(M) Nov 29	<b>Final Exam 2:00 – 4:00pm Blackboard</b> <b>Ethics Essay (8:00pm)</b>
(M) Dec 6	<b>Peer Evaluation Submission</b>