

Peer Evaluation and Final Exam

EECE401 Senior Design I

EECS
Howard University

- Peer Evaluation
- Final Exam

www.mwftr.com/SD2223.html

Why do we do peer evaluation? **More than just tasks**

- 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 (F) Dec 2 8:00pm.**

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 2, 8:00pm)

Peer Evaluation Form							
Senior Design Class							
Date							
Your team name							
Your name (evaluator)							
Bonus distribution (as Peer Evaluation)							
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 -->						
Task-related contribution items							
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
Relationship-related contribution items							
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
Total Amount		0	0	0	0	0	0

Peer Evaluation - Example

- 4-person team

Peer Evaluation Form							
Senior Design Class							
Date	12/02/2020						
Your team name	AutoNav						
Your name (evaluator)	Chris Hansome						
Bonus distribution (as Peer Evaluation)							
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			
Task-related contribution items							
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
Relationship-related contribution items							
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
	Total Amount	1275	1150	1175	0	0	0

Peer Evaluation - Example

- Alternative Format

- Any format is possible if the necessary information is included

Peer Evaluation

Date: 12/2/2020

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): 25% + 5%

- **Attendance (5 %) EXTRA**

- Homework (essay) (10 %)

- Final Exam (10%)

- Team Participation (-graded by team leader) (5%)

- Final Exam (10 %)

- Team Score (G): 75%

- Team Assignments (25 %)

- Team Presentation (20%)







- Team Solution Design Report (20 %)

- Other Team Activities (10%)

- Peer Evaluation Score (P):

- 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 (11:00am -1:00pm (M) Dec 5) - *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. 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/Software 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

Due Date	assignment/presentation/exam
(M) Oct 24	Section 1
(M) Nov 7	Section 2
(M) Nov 14	Solution Report
(M) Nov 21	Ethics Essay Solution Design Presentation1: Aerospace, Deliveroid, EMVP
(M) Nov 30	Solution Design Presentation 2: Gen Aqua, Photon, Terminator
(F) Dec 2	Peer Evaluation Submission
(M) Dec 5	Final Exam (11:00am – 1:00pm) by the format of timed-assignment in the Blackboard