



Felipe P. Vista IV







Course Outline

➤ Class Administrative Matters

> Introduction

➤ Lecture Proper





Intro To Robotics

CLASS ADMIN MATTERS





Class Admin Matters

Who me?

- > Faculty member GFC School of Int'l. Eng'g. & Science
 - Network System Control Lab Electronic Eng'g Dept., JBNU
- PhD in Electronic Engineering, JBNU
- ➤ Worked at Industry & Government of Philippines
 - ➤ Mostly systems using commercial/opensource DBs/DBMSs
- > Research Interests:
 - ➤ Systems Design, Software Development, Fuzzy Logic, Sensor Fusion, Embedded Systems, Navigation systems, Marine Information System, Signal Processing, Augmented Reality, MRI Systems, Drug Discovery.







Class Admin Matters

Class Information

- > Class Schedule
 - ➤ Wed: 12:00 13:00; Fri: 11:00 13:00
- > Textbook
 - Elements of Robotics, Ben-Ari & Mondana, 1st Edition, ISBN-13: 978-3319625324 (Springer)
 - Springer Handbook of Robotics, Siciliano & Khatib, 2nd Edition, ISBN 978-3-319-32552-1 (Springer)





Class Admin Matters

Class Information

- > Mode of Instruction
- ➤ Online lecture via **ZOOM**/ Video upload (Old IEILMS)
- ➤ Wednesday (12:00nn 01:00pm)
 - https://us06web.zoom.us/j/83813255673?pwd=c0RRUWIweG9TdnA xb2o2UzhNdnFyUT09
 - Meeting ID: 838 1325 5673
 - ➤ Passcode: AKQJ10
- Friday (11:00am 01:00pm)
 - https://us06web.zoom.us/j/86560890397?pwd=WTBiS2pRMTVRUW 1vTWRWRkpld010dz09
 - Meeting ID: 865 6089 0397
 - ➤ Passcode: AKQJ10





Class Admin Matters

Class Information

- > Assignments
 - ➤ Given during lecture or posted at Old IELMS
 - > Submission via Old IELMS
 - https://ieilmsold.jbnu.ac.kr
- ➤ Mid-Terms & Final Exams
 - Online via Old IELMS
 - https://ieilmsold.jbnu.ac.kr





Class Admin Matters

Grading

➤ Midterms : 20%

 \triangleright Finals: 30%

➤ Attendance/participation: 20%

➤ Assignment : 30%





Class Admin Matters

Grading

- \triangleright Mid Terms (20%) and Finals (30%)
 - > Enough time will be given
 - ➤ It is ok to discuss with classmates but submit your own solution!
 - > Discussing is ok, cheating is "no-no" > candidate for automatic "F"
 - ► Late submission = less points, maximum 90%-95% per item/number
 ► In case we have to do tests online
 - ➤ Wrong answer, is 10% = "F" per item/number
 - > Submission but no answer is automatic 0% = F'' per item/number
 - \triangleright Non submission is automatic 0% = ``F'' per item/number





Class Admin Matters

Grading

- ➤ Attendance/ Participation (20%)
- > Attendance (5)
 - > more than 15 mins late = absent, and 3 lates = 1 absent
 - more than 3 absences = problem (very biiig)
 - > Everybody start with 8 points for attendance
 - \triangleright Become less if too much absences, ex: 70% of 5 = 3.5 points
- ➤ Participation (15)
 - > answer/raise questions during lecture to get points
 - everybody starts with 12 points for participation
 - \triangleright If have less than 9 class participation, ex: 70% of 10 = 10.5 points





Class Admin Matters

Grading

- > Assignment (30%)
 - > It will take some time
 - Mostly practical, to help learn
 - It is ok to discuss with classmates but do it yourself!
 - > Assignments usually due one week after posting
 - ➤ Late submission = less points, maximum 90%-95% per item/number
 - > In case we have to do tests online
 - Wrong answer, is 10% = "F" per item/number
 - \triangleright Submission but no answer is automatic 0% = F'' per item/number
 - \triangleright Non submission is automatic 0% = "F" per item/number





Class Admin Matters

Sample Grading

➤ Midterms : 20%

Q. 7/20.00	Q. 8/5.00	Q. 9/5.00	Q. 10 /20.00	Q. 11 /5.00	Q. 12/10.00	Q. 13/10.00	Overall Score
20	-	0	20	0	10	10	75.00
20	0	5	20	0	10	5	70.00
5	0	0	4	0	5	5	24.00
20	0	5	20	0	10	5	85.00
20	0	37.3	20	0	0	10	60.00
10	0	0	20	0	0	5	35.00
20	0	5	20	0	10	10	85.00
20	0	5	20	0	10	10	85.00
20	0	17.5	20	0	10	10	70.00
20	5	121	20	0	0	5	55.00
20	0	5	20	0	10	10	85.00

VIId '	Terms Result	
	Raw Score (Pts)	Approximate Equivalent Grade for MidTerms
	-	
	70	Co
	82.5	Во
	90	Ao
	70	Co
	70	Co
	82.5	Во
	70	Co
	75	C+
	70	Со
	75	C+
	75	C+
		-



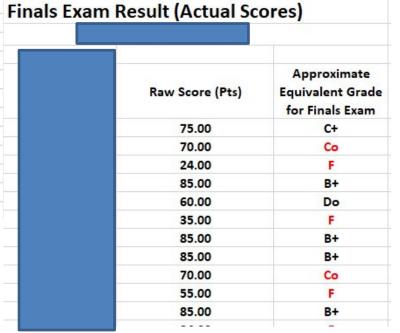


Class Admin Matters

Sample Grading

> Finals : 30%

Q. 14 / 5.00	Q. 15 / 5.00	Q. 16 / 5.00	Q. 17 / 5.00	Q. 18 / 5.00	Q. 19 / 5.00	Q. 20 / 5.00	Q. 21 / 5.00	Overall Score
-	_	-	-	_	-	_	-	-
5	5	5	5	0	5	0	0	70.00
5	5	5	5	5	5	5	0	82.50
5	5	5	0	5	5	5	5	90.00
5	5	5	5	0	5	5	0	72.50
5	5	5	5	5	5	0	0	65.00
5	5	5	5	5	5	5	0	82.50
5	5	5	0	5	5	5	0	70.00
5	5	5	5	5	5	5	0	75.00
5	5	5	5	0	5	0	0	65.00
5	5	5	5	0	5	5	0	75.00
5	5	5	5	5	5	5	0	75.00
-	<u>-</u>	_	_	_	· <u>-</u>	1 <u>4</u>	-	10-11







Class Admin Matters

Sample Grading

> Attendance

5%

Name (Original Name)	User Email	Join Time	Leave Time	Duration (Minutes)
		4/12/2021 9:12	4/12/2021 10:14	62
		4/12/2021 9:12	4/12/2021 9:14	3
		4/12/2021 9:12	4/12/2021 9:14	3
		4/12/2021 9:12	4/12/2021 9:14	3
		4/12/2021 9:12	4/12/2021 9:14	3
		4/12/2021 9:12	4/12/2021 9:14	3
		4/12/2021 9:13	4/12/2021 9:13	1
		4/12/2021 9:13	4/12/2021 9:14	2
		4/12/2021 9:14	4/12/2021 9:14	1
		4/12/2021 9:14	4/12/2021 9:14	1
		4/12/2021 9:14	4/12/2021 10:14	60

Bad ZOOM User Name (Absent)

- ➤ Iphone → Not your name
- ➤ SiAko 202100001 → Bad
- ➤ SiAko → Name only
- \triangleright 202100001 \rightarrow ID Num only

ZOOM User Name (Present)

- ➤ University ID Num_Name
- ➤ 202100001 SiAko → GOOD (Present)







Class Admin Matters



Sample Grading

> Participation

Introduction to

Robotics

15%

	Wk	Wk 08			Wk	14					Generous				
4	4 4 4	4	4 4 4	4 4	4	4	5	5	6	6	Total Participation	Total Important Lect Participation	* Initial Participation	Add'l Bonus Pts from Impt Lect Part	Overall Participation
19	19	21	21	31	31	2	2			Rate V4	(0.5/ participation)	Grade V4			
								10	4	100	2	102			
						1		7	0	90	0	90			
				1		1	1	14	11	100	5.5	105.5			
				1				5	1	80	0.5	80.5			
						1		11	3	100	1.5	101.5			
						1		10	4	100	2	102			

Regular Participation Activities:

- Questions/ Comments/ Suggestions
- > Write answers in Chat Box
- \triangleright Minimum 9 for semester = 100

Important Lecture Participation:

- ➤ When I ask questions related to current lecture
- ➤ Write answer in Chat Box



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Introduction to

Robotics



Class Admin Matters

Sample Grading

➤ Participation 15%

09:41:28 From **iPhone**: Sure

09:39:11 From MyName 202050000 to Everyone: thank you

11:51:52 From **201960000** to Felipe P. Vista IV(Privately): 1/2?

11:52:14 From **The Name**: 1?

// OK, regular question

09:38:08 From 202012345 Your Name to Everyone : Lms is better

// OK, important lecture participation

11:51:15 From **202098765 Nicki Narimani**: 15?



Class Admin Matters



Sample Grading

> Assignment: 30%

ASSI	GNMEN	NTS				
ID number	1	2	3	4	Overall Score (Raw)	Final Grade V4
					0.00	0.00
	100	100	100	100	100.00	100.00
		80			20.00	20.00
	100	100	100	100	100.00	100.00
	95				23.75	23.75
					0.00	0.00
			80		20.00	20.00
	97.5	98	80		68.88	68.88
	100	80			45.00	45.00
					0.00	0.00
		100			25 00	25 00

Introduction to

Robotics



Class Admin Matters



Sample Grading

> Final Semestral Grade

Introduction to

Robotics

Midterms	Finals	Attendance/Participation Finals (20%)			Overall	Equivalent
(20%)	(30%)	Attendance (5%)	Participation (15%)	(30%)	Score	Score
72.00	78.75	60.00	80.00	65.00	72.53	Co
83.25	80.33	100.00	102.00	100.00	91.05	Ao
82.50	25.20	80.00	90.00	68.75	62.19	Do
90.00	89.78	100.00	105.50	100.00	95.76	A+
72.50	70.88	90.00	80.50	72.50	74.09	Co
78.75	70.88	90.00	101.50	65.00	76.24	C+
82.50	89.25	90.00	80.00	68.75	80.40	Во
78.75	89.25	90.00	102.00	85.13	87.86	B+
75.00	73.50	60.00	80.50	77.50	75.38	C+
65.00	70.88	60.00	80.50	65.00	68.84	D+
75.00	89.25	80.00	80.50	73.75	79.98	C+

Grades
Equivalent
A+ = 95 - 100
Ao = 90 - 94
B+ = 85 - 89
Bo = 80 - 84
C+ = 75 - 79
Co = 70 - 74
D+ = 65 - 69
Do = 60 - 64
F = < 60





Class Admin Matters

Student Responsibilities

- > Download/Install **ZOOM** app for online lecture
 - > Zoom profile must be your OASIS ID+name similar to OASIS
 - > Ex.: 202061234 YourName
- Regularly login and check on-line learning system for updates, notifications
 - https://ieilmsold.jbnu.ac.kr
 - Some presentations & lecture videos will be uploaded after class
- Regularly check Kakao Group Chat for class updates
 - > Everybody must have a Kakao talk account
 - Search & add account "botjok", introduce yourself and name of class ("Robotics"), then you will be added to the group chat





Thank you.