VG100: INTRODUCTION TO ENGINEERING

Exam Feedback
&
Follow-up Project

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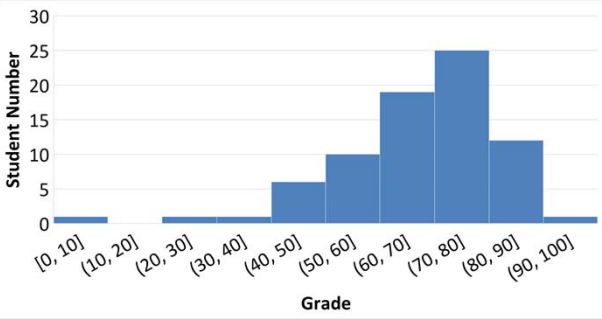
1

VG100 Exam Statistics



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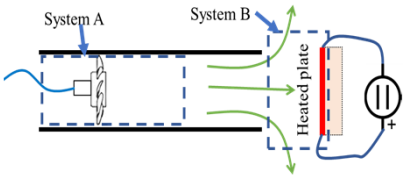
2

Question 1

Two systems are defined by the dash lines in the Figure below. Are they closed system or open system? Specify the energy forms which enter or leave the system.



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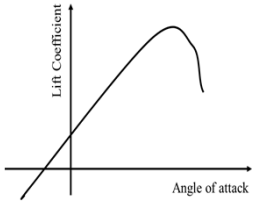
3

Question 6

Why does the lift curve below has a sudden drop after the peak value as the angle of attack increases? Explain the flow physics behind. (4 points)



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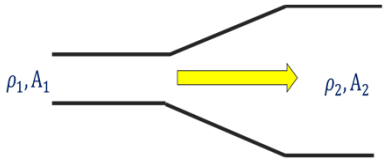
4

Question 7

Air flows through a duct shown below. Will the air velocity increase or decrease if density does not change? (5 points)



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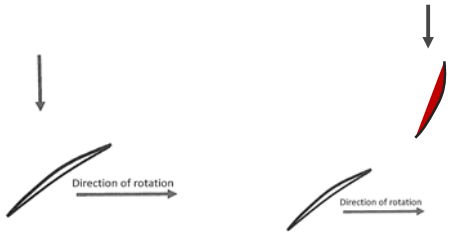
5

Question 10



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6

Schedule in July

8	Mon	July 1	Zhang	**T9: Follow-up Project**		
	TUE	July 2	Zhang	**T10: Engineering Measurement & Report**		
	THU	July 4	Wei	C8: Symposium presentation & Exhibit poster	Assign TC HW #3	
	TBD	July	TAs	Lab 7: Follow up project		
	TBD	July				
9	MON	July 8	Wei	C9: Team Presentation Skills	Assign TC HW #4	**Interim Report due**
	TUE	July 9	Zhang	T11: HAVC & Follow-up Project		
	THU	July 11	Zhang	**T10: Smart Materials**		**Proposal due**
	TBD	July	TAs	Lab 8: Follow-up project		
	TBD	July				

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7

10	MON	July 15	Zhang	Bionics		
	TUE	July 16	Wei	C10: practice presentation		TC HW #3, 4 due
	THU	July 18	Wei	C10: practice presentation		
	TBD	July	TAs	Lab 9: Follow-up project		
	TBD	July				
11	MON	July 22	Zhang + Wei	D&P 3: Symposium practice presentation (10 minutes)		
	TUE	July 23	Zhang + Wei	D&P 4: Symposium practice presentation (10 minutes)		
	THU	July 25	Zhang + Wei	D&P 5: Symposium practice presentation (10 minutes)		
	TBD	July	TAs	Lab 10: Follow-up project		
	TBD	July				
	SUN July 28		All	Symposium Day 9:30am-4:00pm		
12	TUE	July 30	Wei	C12: Final Report & wrap up		
	THU	Aug 1		NO lecture, Get ready for Expo		
	MON	July 29	TAs	Lab 11: Final Performance Measurement & Get Ready for Expo		
	TBD	Aug				
13	MON	Aug 5				Final Report due
	WED	Aug 7		Design Expo		

8

Follow-Up Project

- Project already begins! 3 weeks time
- Need my approval today!
- A safe play if no particular exciting plan: “improving part of your core project.”
- The **engineering content** is the most important factor for grading.

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9

Follow-Up Project
Group Discussions

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10