

AVIATION SYLLABUS – 3rd QUARTER

January 19, 2024 – March 24, 2024



Phonetic Alphabet	
A - alpha	N - november
B - bravo	O - oscar
C - charlie	P - papa
D - delta	Q - quebec
E - echo	R - romeo
F - foxtrot	S - sierra
G - golf	T - tango
H - hotel	U - uniform
I - india	V - victor
J - juliet	W - whiskey
K - kilo	X - x-ray
L - lima	Y - yankee
M - mike	Z - zulu



Unit 2: Flight Controls

Textbook: None

Videos: Some are the same as seen in class, others are not. Please watch ALL.

- https://www.youtube.com/watch?v=WhQ8Ai4fa_Q (Control surfaces - 6 min)
- <https://www.youtube.com/watch?v=zg6KcuVLe0g> (Aerodynamic 4-Forces – 3.5 min)
- <https://www.youtube.com/watch?v=gm987m20edg> (start at 1:25 min- Aerodynamics – 4:46 min)
- <https://www.youtube.com/watch?v=5ltjFEei3Al> (Aerodynamics – 7:13 min)
- https://www.youtube.com/watch?v=mg_YShoFH70 (Weight and Balance – 9:25 min)
- <https://www.youtube.com/watch?v=R73PTYDXb9Q&feature=youtu.be> (Weight & Balance -15 min)
- <https://www.youtube.com/watch?v=mL5LFjI7HA> (Flight Instruments 6-pack)
- <https://www.youtube.com/watch?v=wjTZsHU3T5g&t=584s> (Flight Instruments part 1)

Assignment(s):

Homework:

Parts of an Airplane Worksheet
 Flight Control Worksheet
 Aerodynamics Worksheet
 Weight and Balance Worksheet
 Flight Instruments Worksheet I
 Flight Instruments Worksheet II

Date Due

Points

02-26-24 16 pts.
02-27-24 14 pts.
02-28-24 10 pts.
03-04-24 15 pts.
03-05-24 24 pts.
03-06-24 28 pts.

Lab: Prepar3D or X-Plane Control Surfaces Lab

03-01-24 50 pts.

Lab: Airplane Dynamic Controls Part I & II

03-11-24 50 pts.

Lab: Airplane Dynamic Controls Part III & IV

03-13-24 50 pts.

Quiz: Airplane Parts & Flight Controls Axis

02-29-24 20 pts.

Quiz: Aerodynamics, Weight & Balance

03-04-24 29 pts.

Quiz: Flight Instruments

03-06-24 40 pts.

Test: Unit 2: Flight Controls

03-15-24 60 pts.

Updated: 02-25-2024

