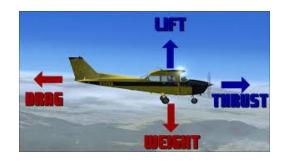
An Amelia Earhart flight navigation mystery Amelia Earhart standing in front of the Lockheed Electra in which she disappeared in July 1937. Photo courteey NASA

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

Z - zulu

M - mike

Unit 2: Flight Controls

Textbook: None

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

- 1. https://www.youtube.com/watch?v=WhQ8Ai4fa_Q (Control surfaces 6 min)
- 2. https://www.youtube.com/watch?v=zg6KcuVLe0g (Aerodynamic 4-Forces 3.5 min)
- 3. https://www.youtube.com/watch?v=gm987m20edg (start at 1:25 min- Aerodynamics 4:46 min)
- 4. https://www.youtube.com/watch?v=5ltjFEei3Al (Aerodynamics 7:13 min)
- 5. https://www.youtube.com/watch?v=mg YShoFH70 (Weight and Balance 9:25 min)
- 6. https://www.youtube.com/watch?v=R73PTyDXb9Q&feature=youtu.be (Weight & Balance -15 min)
- 7. https://www.youtube.com/watch?v=mlL5LFjl7HA (Flight Instruments 6-pack)
- 8. https://www.youtube.com/watch?v=wjTZsHU3T5g&t=584s (Flight Instruments part 1)

Assignment(s):		<u>Date Due</u>	<u>Points</u>
<u>Homew</u>	rork:_		
Parts of an Airplane Worksheet		02-26-24	<u>16</u> pts.
Flight Control Worksheet		02-27-24	<u>14</u> pts.
Aerodynamics Worksheet		02-28-24	<u>10</u> pts.
Weight and Balance Worksheet		03-04-24	<u>15</u> pts.
Flight Instruments Worksheet I		03-05-24	<u>24</u> pts.
Flight Instruments Worksheet II		03-06-24	<u>28 p</u> ts.
<u>Lab:</u>	Prepar3D or X-Plane Control Surfaces Lab	03-01-24	<u>50</u> pts.
<u>Lab:</u>	Airplane Dynamic Controls Part I & II	03-11-24	<u>50</u> pts.
<u>Lab:</u>	Airplane Dynamic Controls Part III & IV	03-13-24	<u>50</u> pts.
Quiz:	Airplane Parts & Flight Controls Axis	02-29-24	<u>20</u> pts.
Quiz:	Aerodynamics, Weight & Balance	03-04-24	<u>20</u> pts. <u>29</u> pts.
Quiz:	Flight Instruments	03-06-24	<u>40</u> pts.
<u>Quiz.</u>	i ight man amenta	05-00-24	<u>40</u> pts.
Test:	Unit 2: Flight Controls	03-15-24	<u>60</u> pts.



Updated: 02-25-2024