



AVIATION SYLLABUS –2nd QUARTER

November 6, 2023 - January 19th, 2024



Unit 3: Physiological Attributes of Flight

Textbook: Read material posted on our webpage & review the powerpoint presentation.

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

1. <https://www.youtube.com/watch?v=xK44nFcZuI0> (Aeromedical conditions – 24 min - Wkst)
2. <https://www.youtube.com/watch?v=AoTzQ9feg5s> (Hypoxia training 8 min)
3. <https://www.youtube.com/watch?v=kUfF2MTnqAw&t=8s> (Hypoxia info - 10min - Wkst)
4. <https://www.youtube.com/watch?v=ygGhy00jYH0> (Hyperventilation 6:45 min)
5. <https://www.youtube.com/watch?v=4xYhLyYMT2s> (trapped gas 10 min)
6. <https://www.youtube.com/watch?v=R-sl95NDRmk&t=4s> (Part 1 - Spatial disorientation 16 min - Wkst)
7. <https://www.youtube.com/watch?v=RsxABUdrgBs&t=700s> (Part 2 -Spatial disorientation 15 min- Wkst)
8. <https://www.youtube.com/watch?v=nNn0xMiTzWA> (spatial awareness 3 min)
9. <https://www.youtube.com/watch?v=5ZG17H8yizI> (Spatial disorientation 2 min)
10. <https://www.youtube.com/watch?v=Kxuje8Qks0> (Spatial disorientation 28 min)
11. <https://www.youtube.com/watch?v=d2L6NCi1QX4> (G Forces 13.5 min - Wkst)
12. <https://www.youtube.com/watch?v=DMKcO-T5Y4o&t=166s> (G force centrifuge 5 min)
13. <https://www.youtube.com/watch?v=J100Q3Y0Yrw> (G force compilation 10.5 min)

Assignments:

Homework:

- Video Worksheet I: Aeromedical Factors (video)
- Video Worksheet II: Hypoxia Training (video)
- Video Worksheet III: Hyperventilation (video)
- Video Worksheet IV: Trapped Gases (video)
- Video Worksheet V: Spatial Awareness (videos)
- Video Worksheet VI: G-Forces (video)

Date Due:	Points:
<u>11/06/23</u>	<u>86</u>
<u>11/08/23</u>	<u>41</u>
<u>TBD</u>	<u>-</u>
<u>TBD</u>	<u>-</u>
<u>11/14/23</u>	<u>46</u>
<u>11/10/23</u>	<u>32</u>

Lab:

G-Force App Lab:

<u>11/16/23</u>	<u>30</u>
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Quiz:

- Aeromedical Quiz
- Hypoxia Quiz
- Spatial Awareness Quiz
- G-Force Quiz

<u>11/16/23</u>	<u>30</u>
<u>11/22/23</u>	<u>30</u>
<u>11/22/23</u>	<u>30</u>
<u>11/28/23</u>	<u>30</u>

Test:

Physiological Attributes Test

<u>11/29/23</u>	<u>60</u>
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