



GE106  
Introduction to Engineering Design  
College of Engineering  
King Saud University

## Studio 6.

# *Human Factors Engineering*

FALL 2022

# Before we Start





- You will be watching a number of documentary movies on Human Factors
- Make sure to take notes
- An open discussion will follow
- You will be asked to identify human factors applicable to your final design project

## Videos:

- “Ergonomics and Design”  
<https://youtu.be/LAKImdMHpdE>  
(00:00 – 16:31)
- “Human Factors in Aviation”  
<https://youtu.be/4VIYlxTowq8>  
<https://youtu.be/c5fGOP5Jo1o>
- Entertaining/Practical Examples:  
[https://youtu.be/1KEse\\_x1Sko](https://youtu.be/1KEse_x1Sko)  
<https://youtu.be/syFev-ojRnQ>

# Fun Human Factors Exercises:

- Stroop Test  
(test for color compatibility):

	Condition A	Condition B
Stimulus		
Response	 <i>fast response</i>	 <i>slow response</i>

- The Simon Task:  
(stimulus-response compatibility)

- Q: why are there tests important?\*

