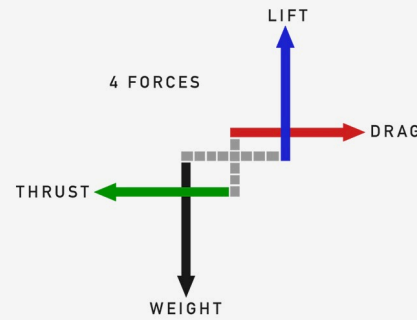
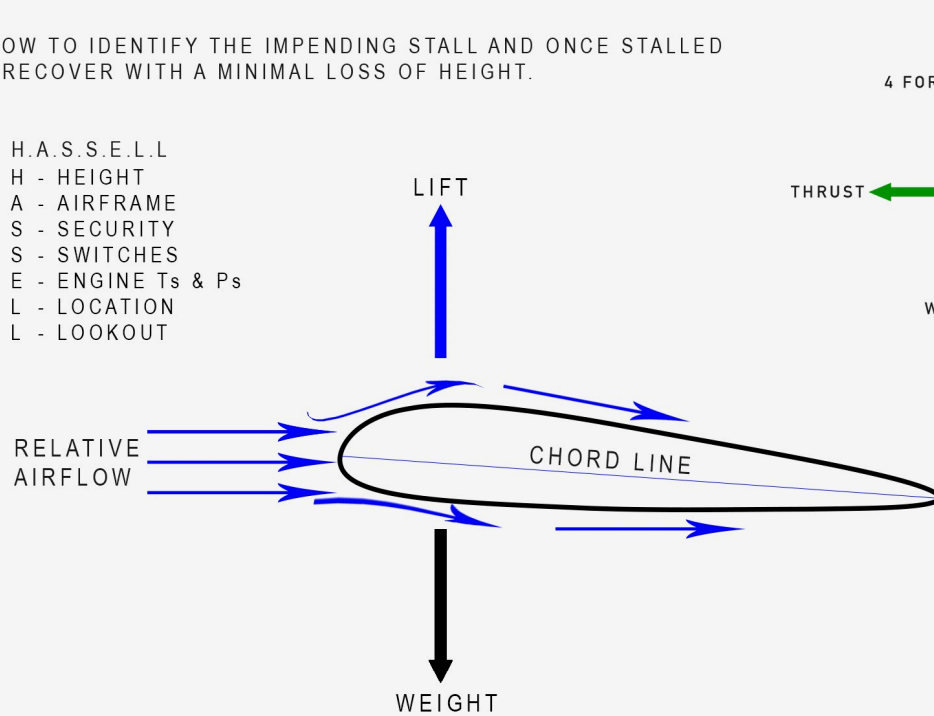


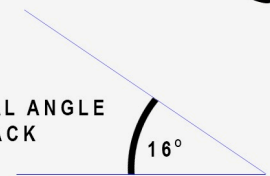
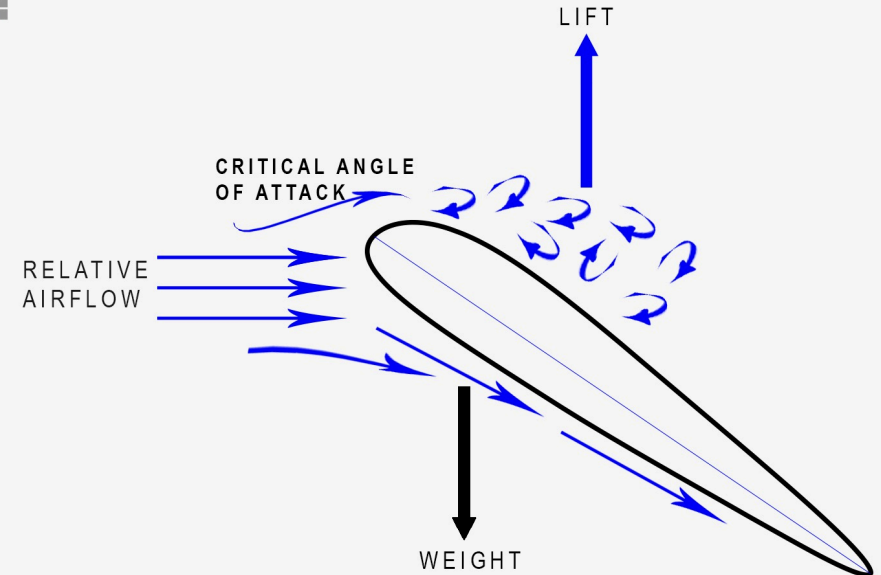
# STALLING

AIM: LEARN HOW TO IDENTIFY THE IMPENDING STALL AND ONCE STALLED HOW TO RECOVER WITH A MINIMAL LOSS OF HEIGHT.

AIRMANSHIP: H.A.S.S.E.L.L  
 H - HEIGHT  
 A - AIRFRAME  
 S - SECURITY  
 S - SWITCHES  
 E - ENGINE Ts & Ps  
 L - LOCATION  
 L - LOOKOUT



$$LIFT = C_L \frac{1}{2} \rho V^2 S$$



## FACTORS AFFECTING STALLS

WEIGHT - INCREASE IN STALL SPEED  
 FLAP - DECREASE IN STALL SPEED  
 POWER - DECREASE IN STALL SPEED

## SYMPTOMS OF IMMINENT STALL

LOW IAS  
 HIGH AOA  
 SLOPPY CONTROLS  
 REDUCED ELEVATOR AUTHORITY

## AT THE STALL

BUFFET  
 STALL WARNING  
 LOW IAS  
 INCREASING DESCENT RATE

## RECOVERY

MOVE CONTROL COLUMN FORWARD / ADOPT DESCENT ATTITUDE  
 CENTRE AILERON  
 ONCE AIRSPEED ABOVE 60KTS MOVE CONTROL COLUMN REARWARDS  
 LEVEL WITH HORIZON / FULL POWER / ADOPT CLIMB ATTITUDE  
 DO NOT USE AILERON TO CORRECT STALL / USE OPPOSITE RUDDER