



# AERODINÁMICA

Clase I

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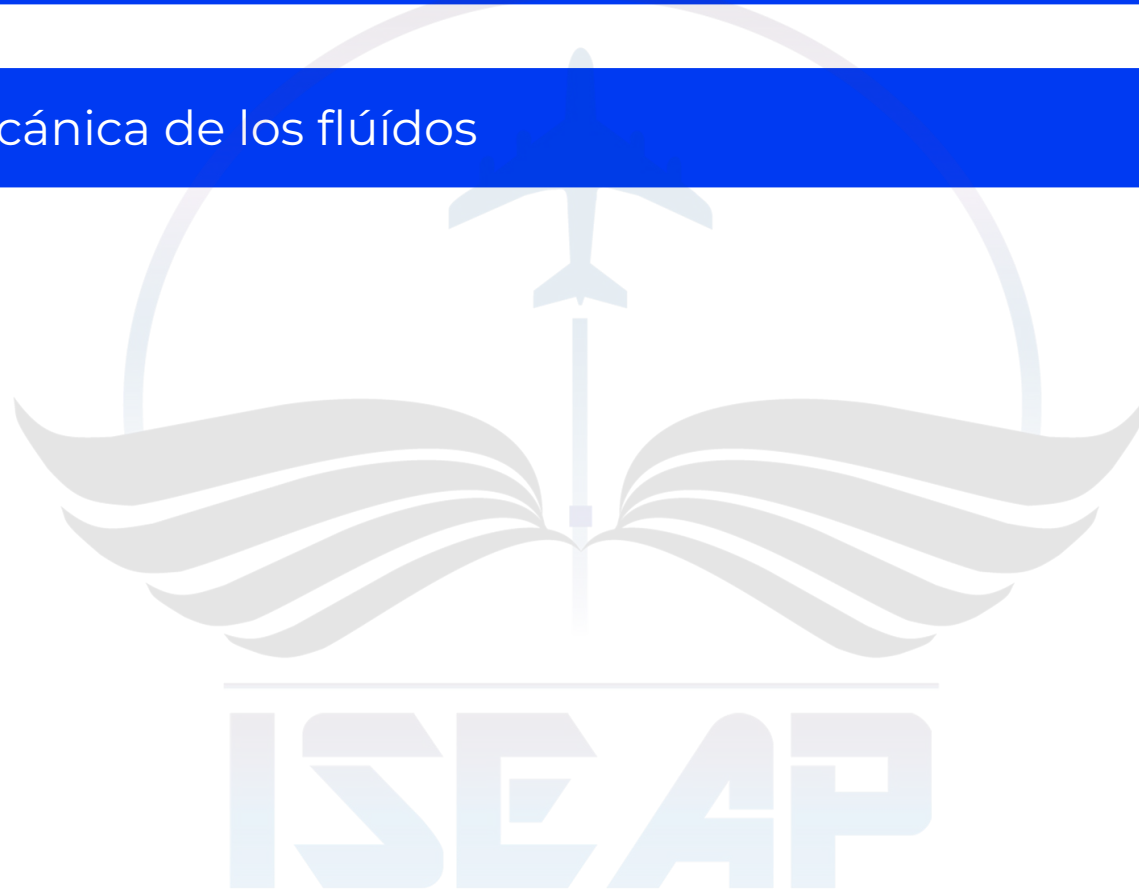


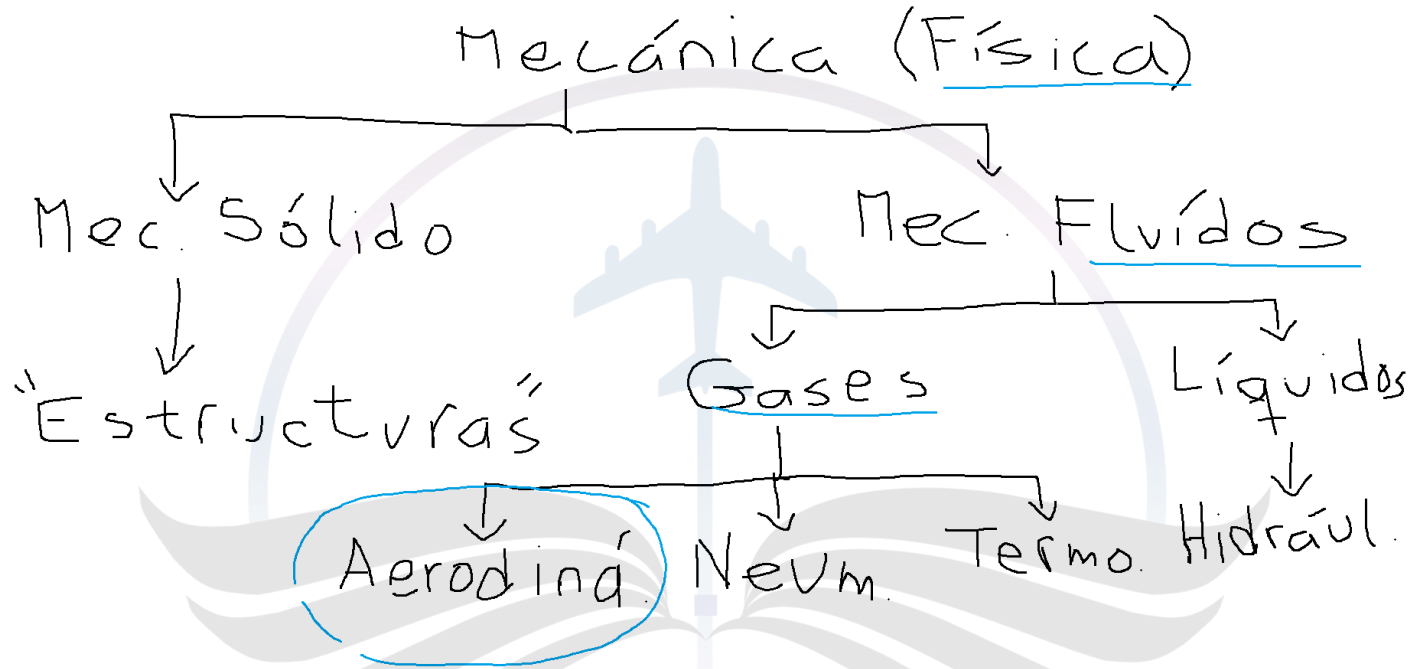


# Temario

Introducción a la Materia

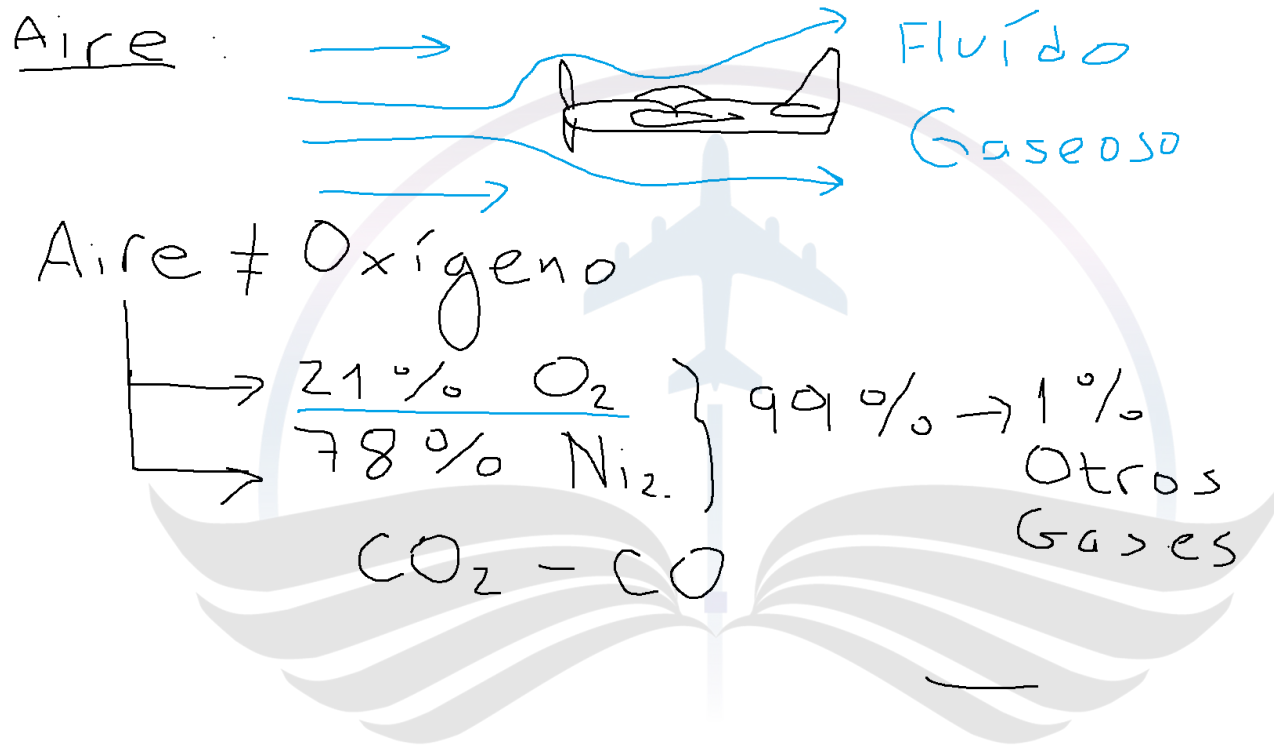
Mecánica de los flúidos





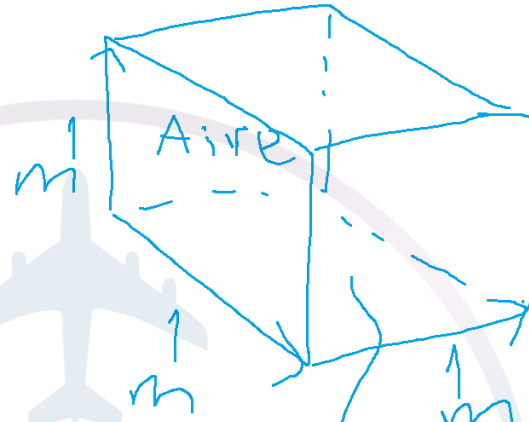
NOTAS

ISEAP



NOTAS

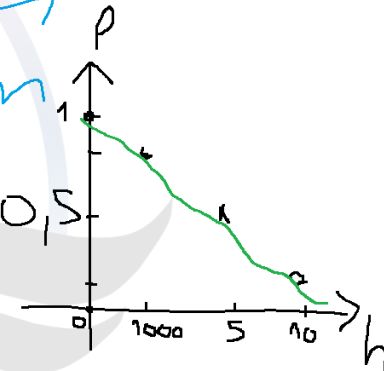
ISEAP



0	—	1	0,2
1	—	0,8	
2	—	0,6	

1) Densidad: ( $\rho$ )

$$\rho = \frac{\text{masa}}{\text{Volumen}} \left[ \frac{\text{kg}}{\text{m}^3} \right]$$

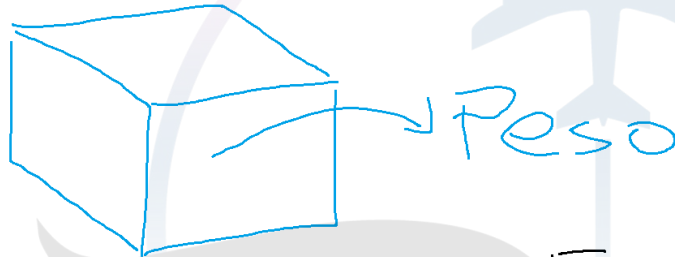


NOTAS

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Peso Específico:

$$\gamma = \frac{\text{Peso}}{\text{Volu}} \left[ \frac{\text{kg}}{\text{m}^3} \mid \frac{\text{lb}}{\text{ft}^3} \right]$$



Presión:  $P_s = \frac{F}{S}$



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$$P_s = \frac{F}{S} \left[ \frac{\bar{K}g}{\bar{m}^2}, \frac{\bar{N}}{\bar{m}^2}, \frac{\bar{g}r}{\bar{cm}^2}, \frac{\bar{K}g}{\bar{cm}^2}, \frac{\bar{lb}}{\bar{ft}^2}, \frac{\bar{lb}}{\bar{pul}^2} \right]$$

$P_a$ ,  $HP_a$ ,  $mmHg$ ,  $Pulg \cdot Hg$ ,  $Bar$ ,  $PSI$ ,  $Atm$

$P_s$  a nivel mar SL:

$$10330 \frac{Kg}{\bar{m}^2} = 1,033 \frac{Kg}{\bar{cm}^2} = 1 atm = 760 mmHg =$$

$$29,92 \text{ "Hg} = 1013 HP_a$$

NOTAS

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