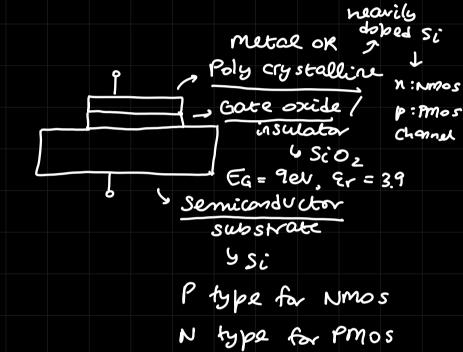
lecture

MOSCAP -> MOSFET W/O S OND D

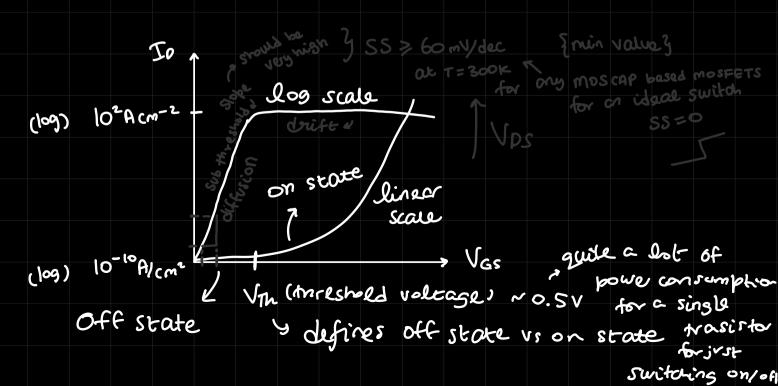
output characteristic - ID vs Vos

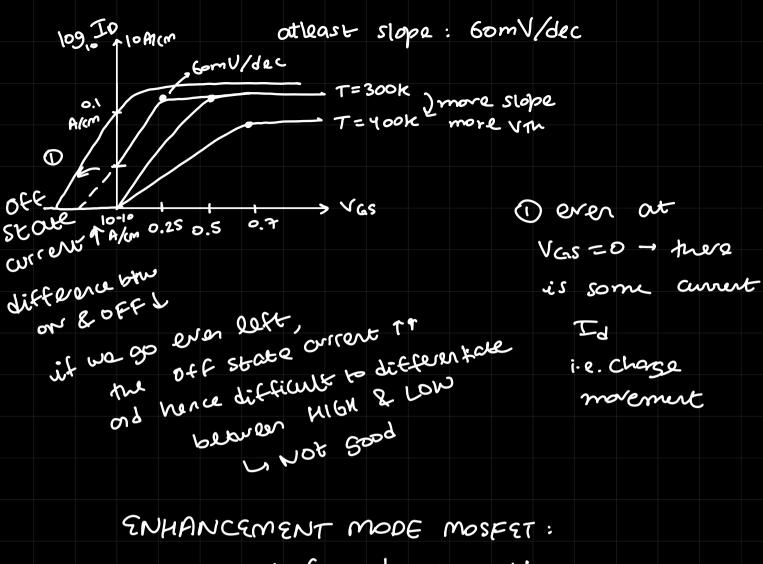
transfer characteristic - ID US VGS

#MOSCAP



Remembes ->





ENHANCEMENT MODE MOSFET:

no chance formed at no VG

4 off state without one gate voltage

DEPLETION MODE MOSFET:

-Ve potential required for OFF state

there is some current even for vo VG

Chanel already formed without VG

depletion of Charge carrier

depletion of voles in the n channel [umos]

because of the E, the holes make down

from the channel herce depletion

 \mathcal{C} S 0 consider -Pm Xe ϕ_{s} Why not considerins sufflike femi level? ever though Eg = 8-9ev (bis) because ni = VNCNV e ESIKOE with so hish Es, ni ~ negligible here EF, D, X is not relevant 0150, we observed potential didp across the oxide and here ~ resistance depletion of e

of e (B)
accumulation
of holes
UB

