Thursday, Sep 16th Notes:

— Want to have a small λ, one way to achieve is a longer channel

$\lambda \propto \frac{1}{L}$, Downside is Bigger

L takes up more space and is more expensive

Device Capacitances - 6

- In summary:

	Cut-off	Triode	Saturation
C_{GS}	C_{ov}	$C_{ov} + \dfrac{C_1}{2}$	$C_{ov} + \dfrac{2}{3}C_1$
C_{GD}	C_{ov}	$C_{ov} + \dfrac{C_1}{2}$	C_{ov}
C_{GB}	$\dfrac{C_1 \cdot C_2}{C_1 + C_2} \langle C_{GB} \langle C_1$	0	0
C_{SB}	C_5	$C_5 + \dfrac{C_2}{2}$	$C_5 + \dfrac{2}{3}C_2$
C_{DB}	C_6	$C_6 + \dfrac{C_2}{2}$	C_6