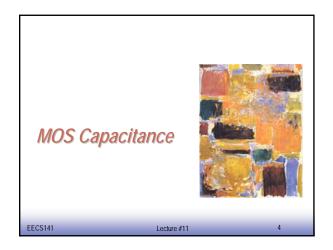


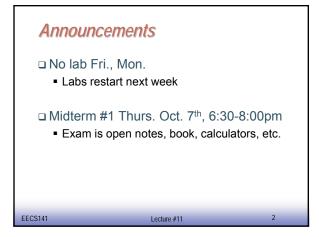
EE141-Fall 2010 Digital Integrated Circuits

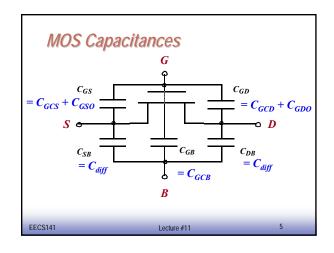
Lecture 11 MOS Capacitance and Delay

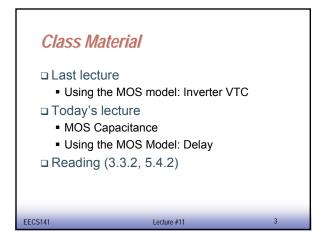
EECS141

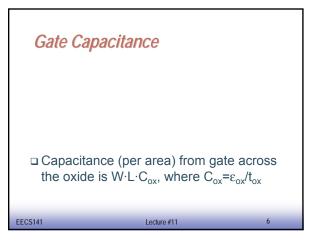
Lecture #11

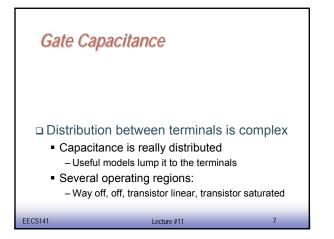


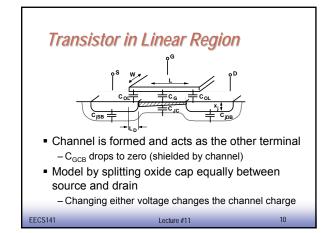


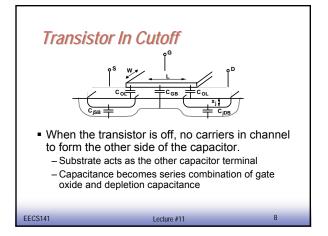


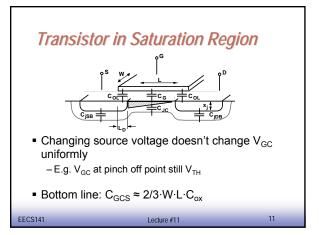


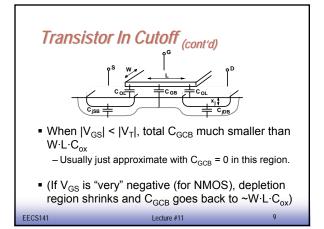


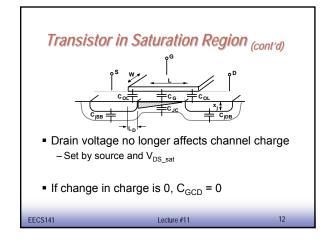


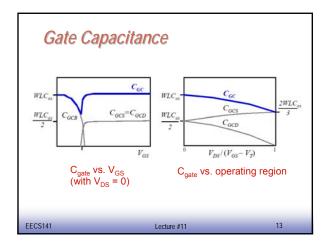


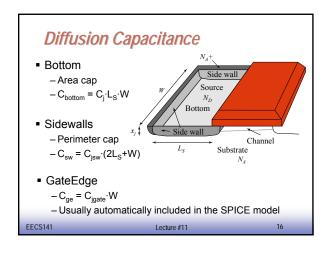


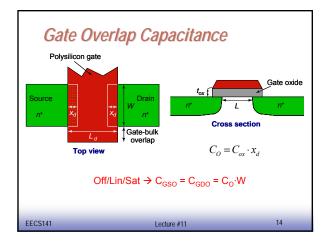


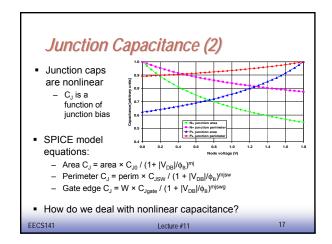


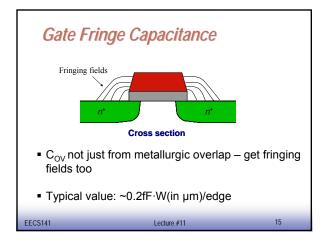


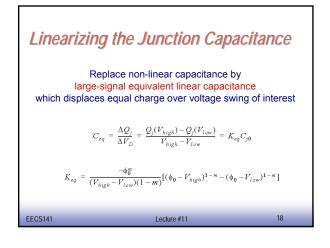


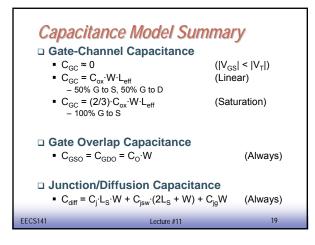


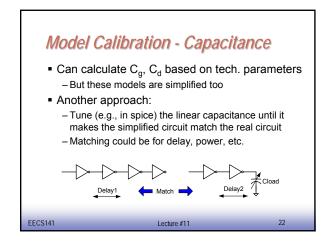












$(\mathbf{f} \mathbf{F} / \mathbf{\mu} \mathbf{m}^2)$ $(\mathbf{f} \mathbf{F} / \mathbf{\mu} \mathbf{m})$ $(\mathbf{f} \mathbf{F} / \mathbf{\mu} \mathbf{m}^2)$ (\mathbf{V}) $(\mathbf{f} \mathbf{F} / \mathbf{\mu}$	um)	φ _{bsw} (V)
NMOS 6 0.31 2 0.5 0.9 0.2	.8 0.44	0.9
PMOS 6 0.27 1.9 0.48 0.9 0.2	2 0.32	0.9

