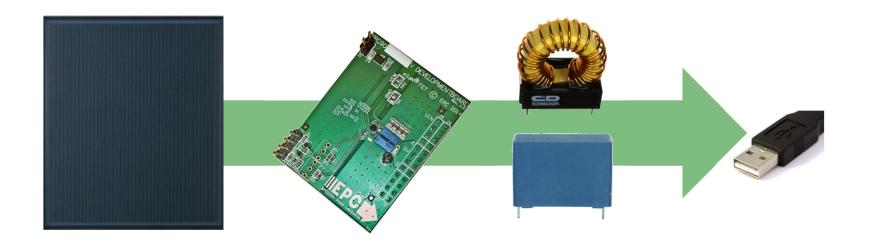
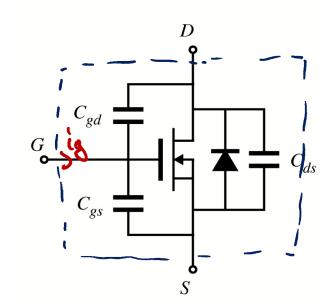
## Announcements

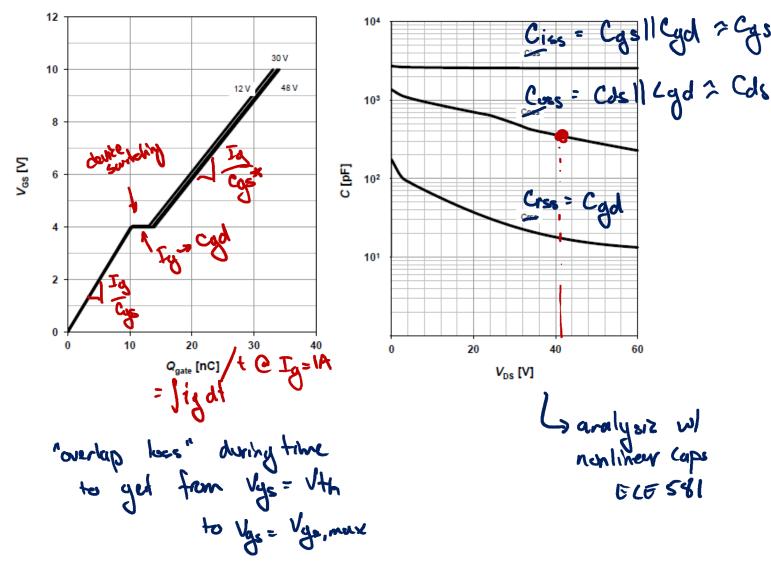
- Experiment 1 assigned
  - Model PV panel for future converter design/analysis
  - Self-assign lab groups of 3 in canvas this week
  - Complete experiment next week 9/23-9/27
  - Report due 10/4





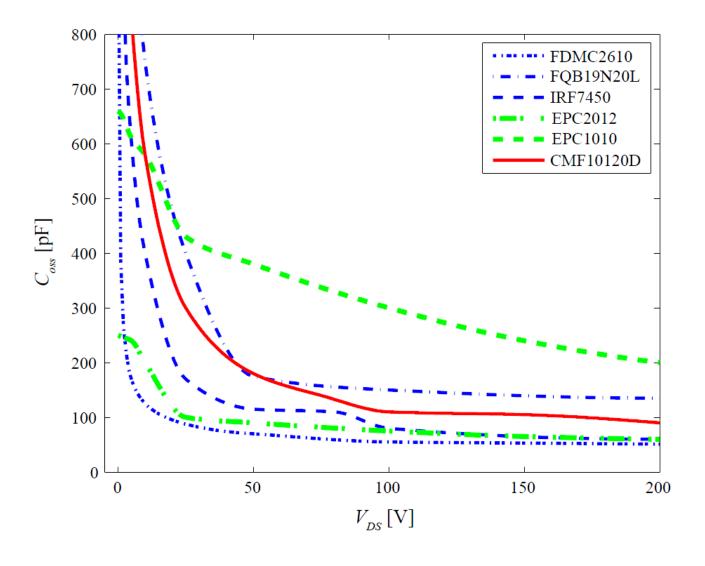
## **MOSFET Equivalent Circuit**







## Example Coss Curves





## **Device Figures-of-Merit** set no in n'indernal & hermant of drift regress that we had designed Vou @ Eart model only drift regress resistance 50 malerial: for a given " -> " Baligas Frequere of Merit" > material properties 4 Vov 2 3 MEEurt Rsp = Ron · A = Eturit 2VBV $= C_{ds}(V_{BU})$ 0 Csp ΓV<sub>BV</sub> ZVBU Ma Eert<sup>2</sup> Rsp. Csp = Ron · Cos(VBV) 5



