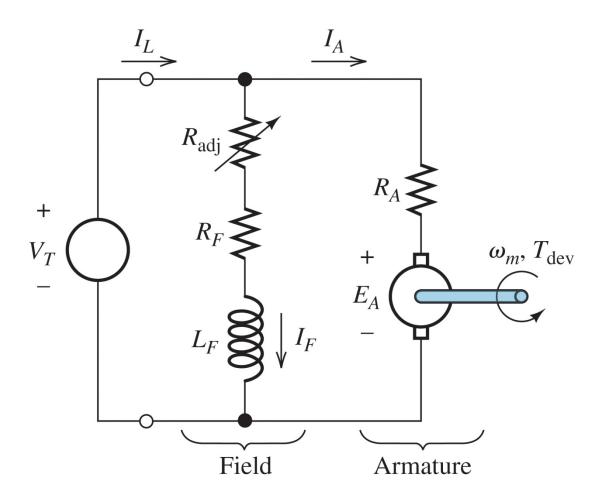
# EELE 250: Circuits, Devices, and Motors

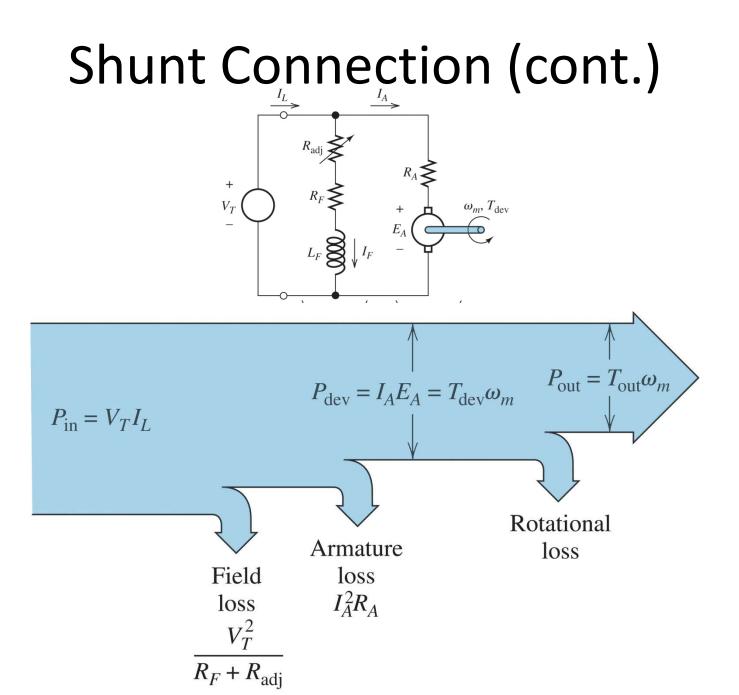
**Electric Motors** 

## Assignment Reminder

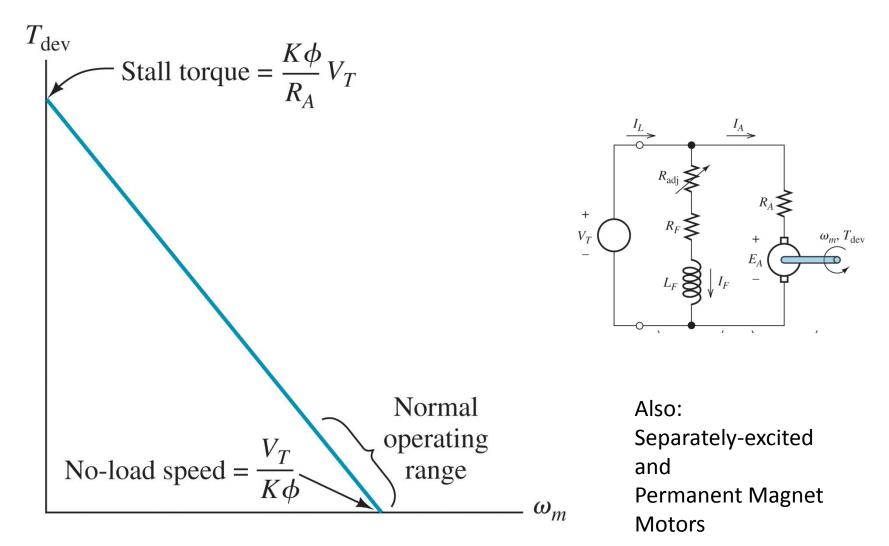
- No lab this week or next week.
- Lab #9 (last) will be the last week of class.
- Quiz #9 will be posted later this week (due by class time on 11/25/13).
- Final Exam on Tuesday, December 15, 8AM
  - Comprehensive coverage
  - Three handwritten sheets of notes
  - Calculator and pen/pencil

### **DC Motor: Shunt Connection**

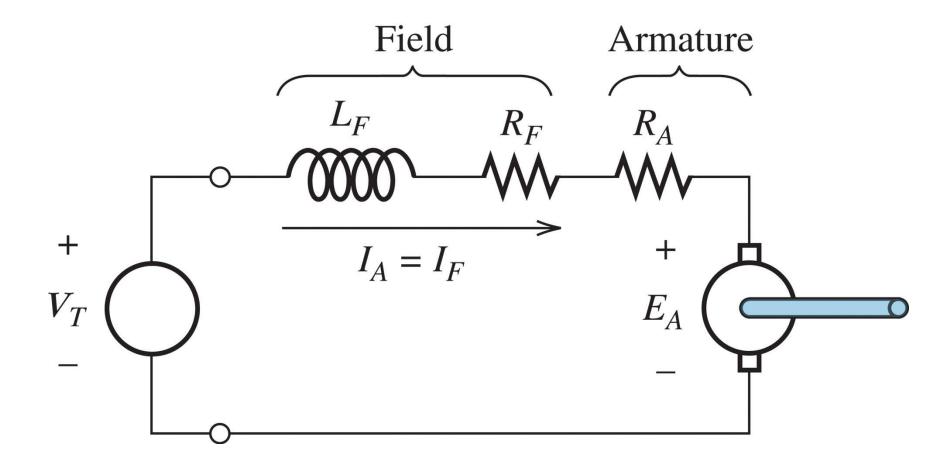




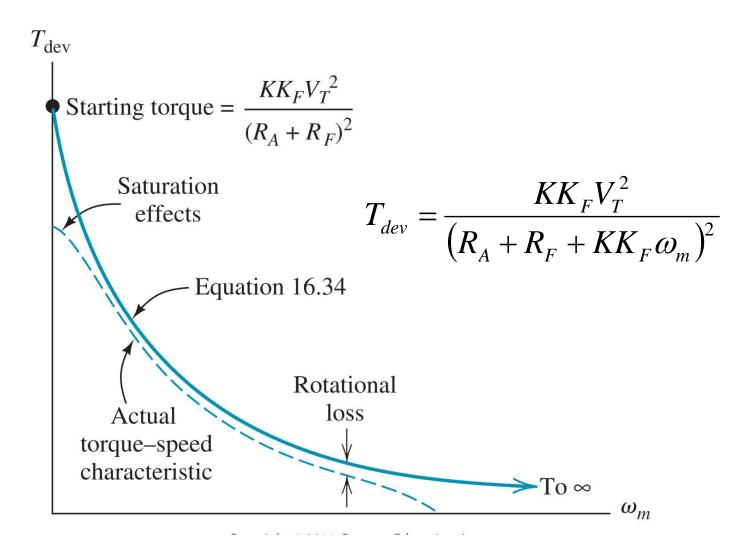
## Shunt Connection (cont.)



### **DC Motor: Series Connection**



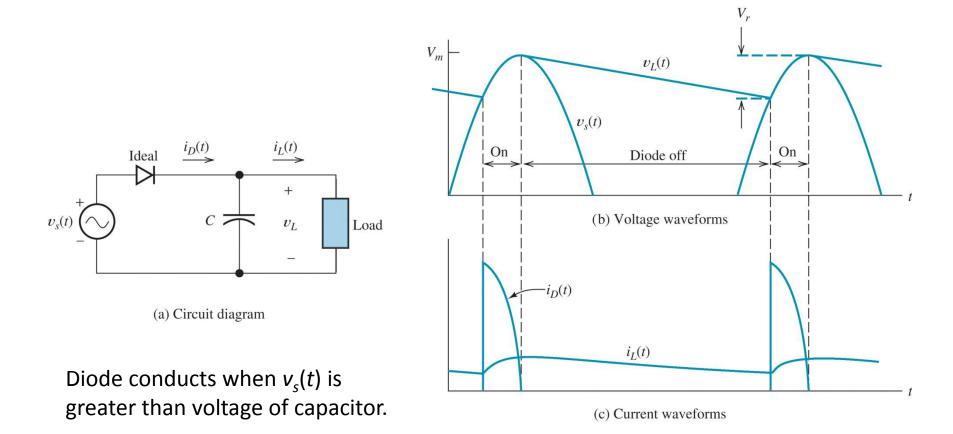
## Series Connection (cont.)



## Converting AC to DC

- Rectifier concept: diodes
- Half-wave rectifier
- Full-wave rectifier

### Half-wave rectifier



When diode is "off," capacitor supplies current to load.

#### Full-wave rectifier

