



# Electronics Devices (Prof. Carlo Fiorini)

Dipartimento  
Elettronica  
Informazione

- Slides of the course will be available at the website:  
<http://home.dei.polimi.it/fiorini/didattica.html>  
at the "Electronics Devices" web page
- email for communications: carlo.fiorini@polimi.it
- Course textbook:  
Donald Neamen, "Semiconductor physics and devices",  
McGraw-Hill.
- Define a "Contact student" to supply selected materials
- Meeting opportunities to answer questions:  
Friday during lunch break before the lesson  
during the week at Politong office (better agreed by email)



# Course outlook

- Basic physics of semiconductor materials
- Electrical carriers transport mechanisms
- The pn junction (device: the diode)
- The Metal-Oxide-Semiconductor (MOS) structure
- The MOS Field-Effect Transistor (MOSFET)