MOSFET Web Site Reference Sources

MOSFET Basic I-V Characteristics. The physical and electrical characteristics of basic MOSFETs and the I-V characteristics of the device.

http://ocw.mit.edu/NR/rdonlyres/Electrical-Engineering-and-Computer-Science/6-012Microelectronic-Devices-and-CircuitsSpring2003/C1EC60A4-4196-4EE6-AAC3-2775F2200596/0/lecture9.pdf

MOSFET Basics. The physical and electrical characteristics of MOSFETs.

http://ocw.mit.edu/NR/rdonlyres/Electrical-Engineering-and-Computer-Science/6-012Microelectronic-Devices-and-CircuitsSpring2003/C1EC60A4-4196-4EE6-AAC3-2775F2200596/0/lecture9.pdf

Electrical characteristics of MOSFET devices

http://ocw.mit.edu/NR/rdonlyres/Electrical-Engineering-and-Computer-Science/6-012Microelectronic-Devices-and-CircuitsSpring2003/D9F7E579-B589-45CF-8C1F-3C06BEBE26E0/0/lecture10.pdf

Electrical characteristics of D and E-MOS devices

http://www.ee.nuigalway.ie/subjects/ee322/lectures/Semester%20I/L10%20%20Intro%20to%20MOSFET.pdf

Power MOSFET basics. The Physical and Electrical characteristics of Power MOSFETs.

http://www.web-ee.com/primers/files/mosfetbasics.pdf

Basic fabrication steps for a MOSFET device.

http://www.ifm.liu.se/courses/tffy34/Lecture%2012.pdf

MOSFET Physical and Electrical Characteristics. A presentation on the physical and electrical parameters associated with MOSFETs

http://engr.smu.edu/~pgui/class_notes_pdf/EE7356-03%20MOS%20Transistor%20part1.pdf

MOSFET Characteristics. A presentation on the electrical parameters associated with MOSFETs

http://engr.smu.edu/~pgui/class_notes_pdf/EE7356-04%20MOS%20Transistor%20part2.pdf

Manufacturing MOSFET Devices.

http://engr.smu.edu/~pgui/class_notes_pdf/EE7356-05%20IC%20manufactureing.pdf

CMOS Manufacturing Process. Discussion of CMOS properties and design metrics.

http://engr.smu.edu/~pgui/class_notes_pdf/EE7356-06%20CMOS%20inverter(static%20view).pdf

Semiconductor Applet Service. A group of applets which allow the student to view the processes required to manufacture a MOSFET device.

http://jas.eng.buffalo.edu/

N-channel MOSFET Fabrication The device fabrication steps are shown for n-channel Metal-Oxide-Semiconductor (MOS) Field Effect Transistor (FET). All photolithography processes are shown by means of animation.

http://jas.eng.buffalo.edu/education/fab/NMOS/nmos.html