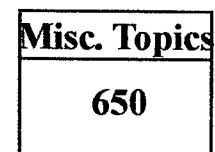
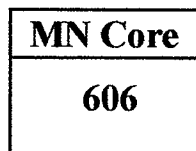
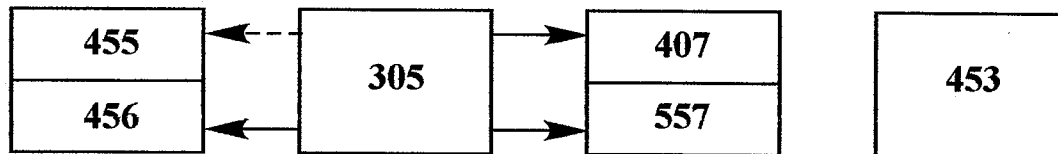


MICROELECTRONICS and NANOTECHNOLOGY COURSE STRUCTURE

<u>Course #</u>	<u>Course Title</u>
305	Semiconductor Devices
407	Semiconductor Measurements Laboratory
453	Fundamentals of Nanoelectronics
455	Integrated Circuit Engineering
456	Digital Integrated Circuit Analysis and Design
526	Fundamentals of MEMS and Micro-Integrated Systems
556	Fundamentals of Microelectronics Processing (VLSI)
557	Integrated Circuit/MEMS Fabrication Laboratory
595-Sands	Materials and Devices for Solid-State Energy Conversion
606	Solid State Devices I
612	Nanoscale Transistors
650	Topics in Solid State Devices and Materials
654	Solid State Devices II
656	Electronic Transport in Semiconductors
658	Semiconductor Material and Device Characterization
659	Quantum Transport
695-Alam	Reliability Physics of Semiconductor Devices
695-Qi	Nanometer Scale Patterning and Processing
695-Sands	Principles and Methods of Nanofabrication
695-Ye	High-Speed Semiconductor Devices



Devices
■ 526
● 612
● 654
■ 595-Sands
● 695-Ye

Physics
● 656
■ 659
● 695-Alam

Fabrication
■ 526
■ 556
■ 557
■ 695-Qi
■ 695-Sands

Measurement
● 658
● 695-Alam

● 606 prerequisite; ■ 305 or Graduate Standing prerequisite