**MSEN 7320 - Advanced Semiconductor Device Theory**

*MSEN 7320 (EEMF 7320)* Advanced Semiconductor Device Theory (3 semester credit hours) Quantum mechanical description of fundamental semiconductor devices; carrier transport on the submicron scale; heterostructure devices; quantum-effect devices. Prerequisites: *EEMF 6320* and *EEMF 6321*. (3-0) R