EEMF6319 - Quantum Physical Electronics

**EEMF 6319** Quantum Physical Electronics (3 semester hours) Quantum-mechanical foundation for study of nanometer-scale electronic devices. Principles of quantum physics, stationary-state eigenfunctions and eigenvalues for one-dimensional potentials, interaction with the electromagnetic field, electronic conduction in solids, applications of quantum structures. Prerequisite: **ENGR 3300** or equivalent. (3-0) Y (2016-02-05 22:09:17)