**PHYS2326 - Electromagnetism and Waves**

*PHYS 2326 (PHYS 2326)* Electromagnetism and Waves (3 semester credit hours) Continuation of PHYS 2325. Topics include electrostatics and electromagnetics, electric field and potential, electric currents, magnetic fields, laws of Coulomb, Ampere, and Faraday, Maxwell's theory of wave propagation. Two lectures per week. Students will also be registered for an exam section. Prerequisites: PHYS 2325 and (MATH 2414 or MATH 2419). Corequisite: PHYS 2126. (3-0) S