

PHY 104: General Physics for Engineering Students II (Introduction to Electromagnetism)

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- Office Hours: Every Thursday 11.30a-12.00p at Science Learning Space
- Class meets every Monday 4.30p-7.30p.
- **Grading (total 50%):** Participation 5%, Homework and Quizzes 15%, Midterm Exam 30%
- **Materials: Introduction to Electromagnetism**
 1. Charge, Coulomb Law and Electric Field (Jan 11)
 2. Gauss's Law and Electrostatic Potential (Jan 18)
 3. Dielectric and Capacitance (Jan 25)
 4. Current, Biot-Savart Law, Magnetic Field (Feb 1)
 5. Ampere's Law, RLC Circuits (Feb 8)
 6. Maxwell's Equation and Electromagnetic Wave (Feb 15)
- **Textbooks:**
 1. David Halliday, Robert Resnick and Jearl Walker, Fundamentals of Physics, Wiley