

PH 1120: Electricity and Magnetism
Dates: 05/21/2026 to 06/26/2026
Professor Romain Murenzi
Email: rmurenzi@wpi.edu

A. Time for the course

The course will meet via Zoom on: **Tuesdays and Fridays 9:00-10:50**

B. Time for discussion sessions

The discussion sessions will take place on **Wednesdays: 9:00-10:50**

C. Communication and office hours

Office Hours are right after the class or by appointment on **Tuesdays and Fridays 11:00-12:00**

D. Course coverage

The textbook is "University Physics with Modern Physics" by Young and Freedman, 15th edition. You must have a Mastering Physics account associated with University Physics to do the homework worth 20% of your final grade.

Selections from Chapter 21-29:

Chapter 21: Electricity and Magnetism

Chapter 22: Electric Potential

Chapter 23: Electric Potential

Chapter 24: Capacitance and Dielectrics

Chapter 25: Currents, Resistance and Electromotive Force

Chapter 26: Direct-Current Circuits

Chapter 27: Magnetic Field and Magnetic Forces

Chapter 28: Sources of Magnetic Field

Chapter 29: Electromagnetic Induction

Registration for Mastering Physics: murenzi52844.

Textbook and on-line homework access.

<https://mlm.pearson.com/northamerica/masteringphysics/>

E. Examinations

Examinations are scheduled during regular class hours as follows:

Covers Date:

EXAM 1 Ch 21-23 June 05, 10:00am-10:50am

EXAM 2 Ch 24, 25, 26, & 27 June 15, 10:00am-10:50am

EXAM 3 Ch 28-29 June 26, 10:00am-10:50am

All exams will be administered online and proctored using Zoom.

F. Grades

Your course grade will be determined as follows:

Course component	Final grade
Exams (Averaged over 3 Exams)	50%
Homework (Mastering Physics)	20%
Conference	10%
Lab-work (Averaged over your lab reports)	20%

NOTE: The Discussion Section grade will be proportional to the attendance