

Howard University
Department of Physics and Astronomy
Spring 2024

Course: PHYS 001-01 General Physics I (Laboratory)

Location: Room 305, Tuesday 10:10am-12:00pm

Report submission: In-person to your lab instructor at the beginning of next lab

Course Instructor	Dr. Tibebu A. Getachew
Email	Tibebu.ayalew@howard.edu
Office	Room 101

Lab Instructor	Ashutosh
Email	ashutosh@bison.howard.edu

Lab Experiments: <https://physics.howard.edu/undergraduate/general-physics-lab-experiments>

Schedule (subject to change)

Deadline for lab report: Tuesdays 10:10am

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	January 8, 2024	January 12, 2024	Introduction	N/A
Week 2	January 15, 2024	January 19, 2024	Measurements	January 23, 2024 – 10:10AM
Week 3	January 22, 2024	January 26, 2024	Force Table	January 30, 2024 – 10:10AM
Week 4	January 29, 2024	February 2, 2024	Rectilinear Motion	February 6, 2024 – 10:10AM
Week 5	February 5, 2024	February 9, 2024	Atwood's Machine	February 13, 2024 – 10:10AM
Week 6	February 12, 2024	February 16, 2024	Ballistic Pendulum	February 20, 2024 – 10:10AM
Week 7	February 19, 2024	February 23, 2024	Rotation and Torque	February 27, 2024 – 10:10AM
Week 8	February 26, 2024	March 1, 2024	Exam 1	In-class, February 27
Week 9	March 4, 2024	March 8, 2024	SPRING BREAK	
Week 10	March 11, 2024	March 15, 2024	Simple Harmonic Motion	March 19, 2024 – 10:10AM
Week 11	March 18, 2024	March 22, 2024	Archimedes Principle	March 26, 2024 – 10:10AM
Week 12	March 25, 2024	March 29, 2024	Specific Heat of Solids	April 2, 2024 – 10:10AM
Week 13	April 1, 2024	April 5, 2024	Thermal Expansion	April 9, 2024 – 10:10AM
Week 14	April 8, 2024	April 12, 2024	Resonance in Air Columns	April 16, 2024 – 10:10AM
Week 15	April 15, 2024	April 19, 2024	Exam 2	In-class, April 16

Grade breakdown: Lab reports 50% | Exams 40% | Attendance 10%

Howard University
Department of Physics and Astronomy
Spring 2024

Course: PHYS 001-02 General Physics I (Laboratory)

Location: Room 305, Thursday 10:10am-12:00pm

Report submission: In-person to your lab instructor at the beginning of next lab

Course Instructor	Dr. Tibebe A. Getachew
Email	Tibebe.ayalew@howard.edu
Office	Room 101

Lab Instructor	Ashutosh
Email	ashutosh@bison.howard.edu

Lab Experiments: <https://physics.howard.edu/undergraduate/general-physics-lab-experiments>

Schedule (subject to change)

Deadline for lab report: Thursdays 10:10am

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	January 8, 2024	January 12, 2024	Introduction	N/A
Week 2	January 15, 2024	January 19, 2024	Measurements	January 25, 2024 - 10:10AM
Week 3	January 22, 2024	January 26, 2024	Force Table	February 1, 2024 - 10:10AM
Week 4	January 29, 2024	February 2, 2024	Rectilinear Motion	February 8, 2024 - 10:10AM
Week 5	February 5, 2024	February 9, 2024	Atwood's Machine	February 15, 2024 - 10:10AM
Week 6	February 12, 2024	February 16, 2024	Ballistic Pendulum	February 22, 2024 - 10:10AM
Week 7	February 19, 2024	February 23, 2024	Rotation and Torque	February 29, 2024 - 10:10AM
Week 8	February 26, 2024	March 1, 2024	Exam 1	In-class, February 29
Week 9	March 4, 2024	March 8, 2024	SPRING BREAK	
Week 10	March 11, 2024	March 15, 2024	Simple Harmonic Motion	March 21, 2024 - 10:10AM
Week 11	March 18, 2024	March 22, 2024	Archimedes Principle	March 28, 2024 - 10:10AM
Week 12	March 25, 2024	March 29, 2024	Specific Heat of Solids	April 4, 2024 - 10:10AM
Week 13	April 1, 2024	April 5, 2024	Thermal Expansion	April 11, 2024 - 10:10AM
Week 14	April 8, 2024	April 12, 2024	Resonance in Air Columns	April 18, 2024 - 10:10AM
Week 15	April 15, 2024	April 19, 2024	Exam 2	In-class, April 18

Grade breakdown: Lab reports 50% | Exams 40% | Attendance 10%

Howard University
Department of Physics and Astronomy
Spring 2024

Course: PHYS 001-03 General Physics I (Laboratory)

Location: Room 305, Thursday 1:10-3:00pm

Report submission: In-person to your lab instructor at the beginning of next lab

Course Instructor	Dr. Tibebe A. Getachew
Email	Tibebe.ayalew@howard.edu
Office	Room 101

Lab Instructor	Asibey Lordina
Email	Lordina.Asibey@bison.howard.edu

Lab Experiments: <https://physics.howard.edu/undergraduate/general-physics-lab-experiments>

Schedule (subject to change)

Deadline for lab report: Thursday 1:10pm

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	January 8, 2024	January 12, 2024	Introduction	N/A
Week 2	January 15, 2024	January 19, 2024	Measurements	January 25, 2024 - 1:10PM
Week 3	January 22, 2024	January 26, 2024	Force Table	February 1, 2024 - 1:10PM
Week 4	January 29, 2024	February 2, 2024	Rectilinear Motion	February 8, 2024 - 1:10PM
Week 5	February 5, 2024	February 9, 2024	Atwood's Machine	February 15, 2024 - 1:10PM
Week 6	February 12, 2024	February 16, 2024	Ballistic Pendulum	February 22, 2024 - 1:10PM
Week 7	February 19, 2024	February 23, 2024	Rotation and Torque	February 29, 2024 - 1:10PM
Week 8	February 26, 2024	March 1, 2024	Exam 1	In-class, February 29
Week 9	March 4, 2024	March 8, 2024	SPRING BREAK	
Week 10	March 11, 2024	March 15, 2024	Simple Harmonic Motion	March 21, 2024 - 1:10PM
Week 11	March 18, 2024	March 22, 2024	Archimedes Principle	March 28, 2024 - 1:10PM
Week 12	March 25, 2024	March 29, 2024	Specific Heat of Solids	April 4, 2024 - 1:10PM
Week 13	April 1, 2024	April 5, 2024	Thermal Expansion	April 11, 2024 - 1:10PM
Week 14	April 8, 2024	April 12, 2024	Resonance in Air Columns	April 18, 2024 - 1:10PM
Week 15	April 15, 2024	April 19, 2024	Exam 2	In-class, April 18

Grade breakdown: Lab reports 50% | Exams 40% | Attendance 10%

Howard University
Department of Physics and Astronomy
Spring 2024

Course: PHYS 001-04 General Physics I (Laboratory)

Location: Room 305, Tuesday 1:10-3:00pm

Report submission: Online by email to lab instructor by deadline listed in syllabus

Course Instructor	Dr. Tibebu A. Getachew
Email	Tibebu.ayalew@howard.edu
Office	Room 101

Lab Instructor	Asibey Lordina
Email	Lordina.Asibey@bison.howard.edu

Lab Experiments: <https://physics.howard.edu/undergraduate/general-physics-lab-experiments>

Important Note: This course is fully online. Please complete your lab reports using the YouTube videos in the above link and submit your reports by the corresponding deadline. If the lab instructor requests it, you might be required to attend physically for the exams.

Schedule (subject to change)

Deadline for lab report: Tuesday 1:10pm

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	January 8, 2024	January 12, 2024	Introduction	N/A
Week 2	January 15, 2024	January 19, 2024	Measurements	January 23, 2024 – 1:10PM
Week 3	January 22, 2024	January 26, 2024	Force Table	January 30, 2024 – 1:10PM
Week 4	January 29, 2024	February 2, 2024	Rectilinear Motion	February 6, 2024 – 1:10PM
Week 5	February 5, 2024	February 9, 2024	Atwood's Machine	February 13, 2024 – 1:10PM
Week 6	February 12, 2024	February 16, 2024	Ballistic Pendulum	February 20, 2024 – 1:10PM
Week 7	February 19, 2024	February 23, 2024	Rotation and Torque	February 27, 2024 – 1:10PM
Week 8	February 26, 2024	March 1, 2024	Exam 1	In-class, February 27
Week 9	March 4, 2024	March 8, 2024	SPRING BREAK	
Week 10	March 11, 2024	March 15, 2024	Simple Harmonic Motion	March 19, 2024 – 1:10PM
Week 11	March 18, 2024	March 22, 2024	Archimedes Principle	March 26, 2024 – 1:10PM
Week 12	March 25, 2024	March 29, 2024	Specific Heat of Solids	April 2, 2024 – 1:10PM
Week 13	April 1, 2024	April 5, 2024	Thermal Expansion	April 9, 2024 – 1:10PM
Week 14	April 8, 2024	April 12, 2024	Resonance in Air Columns	April 16, 2024 – 1:10PM
Week 15	April 15, 2024	April 19, 2024	Exam 2	April 16, 2024 – 1:10PM

Grade breakdown: Lab reports 60% | Exams 40%

Howard University
Department of Physics and Astronomy
Spring 2024

Course: PHYS 002-01 General Physics II (Laboratory)

Location: Room 304, Thursday 6:10-8:00pm

Report submission: In-person to your lab instructor at the beginning of next lab

Course Instructor	Dr. Sidi Maiga
Email	sidi.maiga@howard.edu
Office	Room 203, MW 5PM-6PM

Lab Instructor	Kevaughn Johnson
Email	kevaughnkevinjohnson@gmail.com

Lab Experiments: <https://physics.howard.edu/undergraduate/general-physics-lab-experiments>

Schedule (subject to change)

Deadline for lab report: Thursday 6:10pm

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	January 8, 2024	January 12, 2024	Introduction	N/A
Week 2	January 15, 2024	January 19, 2024	Electric Field	January 25, 2024 - 6:10PM
Week 3	January 22, 2024	January 26, 2024	Wheatstone Bridge	February 1, 2024 - 6:10PM
Week 4	January 29, 2024	February 2, 2024	Ohm's Law	February 8, 2024 - 6:10PM
Week 5	February 5, 2024	February 9, 2024	RC Circuits	February 15, 2024 - 6:10PM
Week 6	February 12, 2024	February 16, 2024	External Magnetic Field	February 22, 2024 - 6:10PM
Week 7	February 19, 2024	February 23, 2024	Oscilloscope	February 29, 2024 - 6:10PM
Week 8	February 26, 2024	March 1, 2024	Exam 1	In-class, February 29
Week 9	March 4, 2024	March 8, 2024	SPRING BREAK	
Week 10	March 11, 2024	March 15, 2024	Ray Tracing	March 21, 2024 - 6:10PM
Week 11	March 18, 2024	March 22, 2024	Refraction	March 28, 2024 - 6:10PM
Week 12	March 25, 2024	March 29, 2024	Focal Length of Lenses	April 4, 2024 - 6:10PM
Week 13	April 1, 2024	April 5, 2024	Diffraction	April 11, 2024 - 6:10PM
Week 14	April 8, 2024	April 12, 2024	Atomic Spectra	April 18, 2024 - 6:10PM
Week 15	April 15, 2024	April 19, 2024	Exam 2	In-class, April 18

Grade breakdown: Lab reports 50% | Exams 40% | Attendance 10%

Howard University
Department of Physics and Astronomy
Spring 2024

Course: PHYS 002-02 General Physics II (Laboratory)

Location: Room 304, Tuesday 6:10-8:00pm

Report submission: In-person to your lab instructor at the beginning of next lab

Course Instructor	Dr. Sidi Maiga
Email	sidi.maiga@howard.edu
Office	Room 203, MW 5PM-6PM

Lab Instructor	Ke Vaughn Johnson
Email	kevaughnkevinjohnson@gmail.com

Lab Experiments: <https://physics.howard.edu/undergraduate/general-physics-lab-experiments>

Schedule (subject to change)

Deadline for lab report: Tuesday 6:10pm

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	January 8, 2024	January 12, 2024	Introduction	N/A
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Week 14	April 8, 2024	April 12, 2024	Atomic Spectra	April 16, 2024 – 6:10PM
Week 15	April 15, 2024	April 19, 2024	Exam 2	In-class, April 16

Grade breakdown: Lab reports 50% | Exams 40% | Attendance 10%

Howard University
Department of Physics and Astronomy
Spring 2024

Course: PHYS 002-03 General Physics II (Laboratory)

Location: Room 304, Thursday 10:10am-12:00pm

Report submission: In-person to your lab instructor at the beginning of next lab

Course Instructor	Dr. Dragana Tankosic
Email	Dragana.tankosic@howard.edu
Office	Room 202

Lab Instructor	Ravneet Kaur
Email	Ravneet.Kaur@bison.howard.edu

Lab Experiments: <https://physics.howard.edu/undergraduate/general-physics-lab-experiments>

Schedule (subject to change)

Deadline for lab report: Thursday 10:10am

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	January 8, 2024	January 12, 2024	Introduction	N/A
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Week 8	February 26, 2024	March 1, 2024	Exam 1	In-class, February 29
Week 9	March 4, 2024	March 8, 2024	SPRING BREAK	
Week 10	March 11, 2024	March 15, 2024	Ray Tracing	March 21, 2024 - 10:10AM
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Week 12	March 25, 2024	March 29, 2024	Focal Length of Lenses	April 4, 2024 - 10:10AM
Week 13	April 1, 2024	April 5, 2024	Diffraction	April 11, 2024 - 10:10AM
Week 14	April 8, 2024	April 12, 2024	Atomic Spectra	April 18, 2024 - 10:10AM
Week 15	April 15, 2024	April 19, 2024	Exam 2	In-class, April 18

Grade breakdown: Lab reports 50% | Exams 40% | Attendance 10%

Howard University
Department of Physics and Astronomy
Spring 2024

Course: PHYS 002-04 General Physics II (Laboratory)

Location: Room 304, Thursday 1:10-3:00pm

Report submission: In-person to your lab instructor at the beginning of next lab

Course Instructor	Dr. Dragana Tankosic
Email	Dragana.tankosic@howard.edu
Office	Room 202

Lab Instructor	Sahil Pradhan
Email	Sahil.Pradhan@bison.howard.edu

Lab Experiments: <https://physics.howard.edu/undergraduate/general-physics-lab-experiments>

Schedule (subject to change)

Deadline for lab report: Thursday 1:10pm

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	January 8, 2024	January 12, 2024	Introduction	N/A
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Week 6	February 12, 2024	February 16, 2024	External Magnetic Field	February 22, 2024 - 1:10PM
Week 7	February 19, 2024	February 23, 2024	Oscilloscope	February 29, 2024 - 1:10PM
Week 8	February 26, 2024	March 1, 2024	Exam 1	In-class, February 29
Week 9	March 4, 2024	March 8, 2024	SPRING BREAK	
Week 10	March 11, 2024	March 15, 2024	Ray Tracing	March 21, 2024 - 1:10PM
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Week 12	March 25, 2024	March 29, 2024	Focal Length of Lenses	April 4, 2024 - 1:10PM
Week 13	April 1, 2024	April 5, 2024	Diffraction	April 11, 2024 - 1:10PM
Week 14	April 8, 2024	April 12, 2024	Atomic Spectra	April 18, 2024 - 1:10PM
Week 15	April 15, 2024	April 19, 2024	Exam 2	In-class, April 18

Grade breakdown: Lab reports 50% | Exams 40% | Attendance 10%

Howard University
Department of Physics and Astronomy
Spring 2024

Course: PHYS 002-05 General Physics II (Laboratory)

Location: Room 304, Tuesday 1:10-3:00pm

Report submission: In-person to your lab instructor at the beginning of next lab

Course Instructor	Dr. Dragana Tankosic
Email	Dragana.tankosic@howard.edu
Office	Room 202

Lab Instructor	Sahil Pradhan
Email	Sahil.Pradhan@bison.howard.edu

Lab Experiments: <https://physics.howard.edu/undergraduate/general-physics-lab-experiments>

Schedule (subject to change)

Deadline for lab report: Tuesday 1:10pm

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	January 8, 2024	January 12, 2024	Introduction	N/A
Week 2	January 15, 2024	January 19, 2024	Electric Field	January 23, 2024 – 1:10PM
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Week 5	February 5, 2024	February 9, 2024	RC Circuits	February 13, 2024 – 1:10PM
Week 6	February 12, 2024	February 16, 2024	External Magnetic Field	February 20, 2024 – 1:10PM
Week 7	February 19, 2024	February 23, 2024	Oscilloscope	February 27, 2024 – 1:10PM
Week 8	February 26, 2024	March 1, 2024	Exam 1	In-class, February 27
Week 9	March 4, 2024	March 8, 2024	SPRING BREAK	
Week 10	March 11, 2024	March 15, 2024	Ray Tracing	March 19, 2024 – 1:10PM
Week 11	March 18, 2024	March 22, 2024	Refraction	March 26, 2024 – 1:10PM
Week 12	March 25, 2024	March 29, 2024	Focal Length of Lenses	April 2, 2024 – 1:10PM
Week 13	April 1, 2024	April 5, 2024	Diffraction	April 9, 2024 – 1:10PM
Week 14	April 8, 2024	April 12, 2024	Atomic Spectra	April 16, 2024 – 1:10PM
Week 15	April 15, 2024	April 19, 2024	Exam 2	In-class, April 16

Grade breakdown: Lab reports 50% | Exams 40% | Attendance 10%

Howard University
Department of Physics and Astronomy
Spring 2024

Course: PHYS 002-06 General Physics II (Laboratory)

Location: Room 304, Tuesday 10:10am-12:00pm

Report submission: In-person to your lab instructor at the beginning of next lab

Course Instructor	Dr. Dragana Tankosic
Email	Dragana.tankosic@howard.edu
Office	Room 202

Lab Instructor	Ravneet Kaur
Email	Ravneet.Kaur@bison.howard.edu

Lab Experiments: <https://physics.howard.edu/undergraduate/general-physics-lab-experiments>

Schedule (subject to change)

Deadline for lab report: Tuesday 10:10am

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	January 8, 2024	January 12, 2024	Introduction	N/A
Week 2	January 15, 2024	January 19, 2024	Electric Field	January 23, 2024 – 10:10AM
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Week 8	February 26, 2024	March 1, 2024	Exam 1	In-class, February 27
Week 9	March 4, 2024	March 8, 2024	SPRING BREAK	
Week 10	March 11, 2024	March 15, 2024	Ray Tracing	March 19, 2024 – 10:10AM
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Week 14	April 8, 2024	April 12, 2024	Atomic Spectra	April 16, 2024 – 10:10AM
Week 15	April 15, 2024	April 19, 2024	Exam 2	In-class, April 16

Grade breakdown: Lab reports 50% | Exams 40% | Attendance 10%

Howard University
Department of Physics and Astronomy
Spring 2024

Course: PHYS 002-07 General Physics II (Laboratory)

Location: Room 304, Tuesday 3:10-5:00pm

Report submission: In-person to your lab instructor at the beginning of next lab

Course Instructor	Dr. Sidi Maiga
Email	sidi.maiga@howard.edu
Office	Room 203, MW 5PM-6PM

Lab Instructor	Vishal Thakur
Email	Vishal.Thakur@bison.howard.edu

Lab Experiments: <https://physics.howard.edu/undergraduate/general-physics-lab-experiments>

Schedule (subject to change)

Deadline for lab report: Tuesday 3:10pm

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	January 8, 2024	January 12, 2024	Introduction	N/A
Week 2	January 15, 2024	January 19, 2024	Electric Field	January 23, 2024 – 3:10PM
Week 3	January 22, 2024	January 26, 2024	Wheatstone Bridge	January 30, 2024 – 3:10PM
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Week 9	March 4, 2024	March 8, 2024	SPRING BREAK	
Week 10	March 11, 2024	March 15, 2024	Ray Tracing	March 19, 2024 – 3:10PM
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Week 14	April 8, 2024	April 12, 2024	Atomic Spectra	April 16, 2024 – 3:10PM
Week 15	April 15, 2024	April 19, 2024	Exam 2	In-class, April 16

Grade breakdown: Lab reports 50% | Exams 40% | Attendance 10%

Howard University
Department of Physics and Astronomy
Spring 2024

Course: PHYS 002-08 General Physics II (Laboratory)

Location: Room 304, Thursday 3:10-5:00pm

Report submission: In-person to your lab instructor at the beginning of next lab

Course Instructor	Dr. Sidi Maiga
Email	sidi.maiga@howard.edu
Office	Room 203, MW 5PM-6PM

Lab Instructor	Vishal Thakur
Email	Vishal.Thakur@bison.howard.edu

Lab Experiments: <https://physics.howard.edu/undergraduate/general-physics-lab-experiments>

Schedule (subject to change)

Deadline for lab report: Thursday 3:10pm

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	January 8, 2024	January 12, 2024	Introduction	N/A
Week 2	January 15, 2024	January 19, 2024	Electric Field	January 25, 2024 - 3:10PM
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Week 14	April 8, 2024	April 12, 2024	Atomic Spectra	April 18, 2024 - 3:10PM
Week 15	April 15, 2024	April 19, 2024	Exam 2	In-class, April 18

Grade breakdown: Lab reports 50% | Exams 40% | Attendance 10%

Howard University
Department of Physics and Astronomy
Spring 2024

Course: PHYS 002-09 General Physics II (Laboratory)

Location: Room 304, Monday 1:10-3:00pm

Report submission: In-person to your lab instructor at the beginning of next lab

Course Instructor	Dr. Dragana Tankosic
Email	Dragana.tankosic@howard.edu
Office	Room 202

Lab Instructor	Millicent Cosmas
Email	millicentcosm@gmail.com

Lab Experiments: <https://physics.howard.edu/undergraduate/general-physics-lab-experiments>

Schedule (subject to change)

Deadline for lab report: Monday 1:10pm

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	January 8, 2024	January 12, 2024	Introduction	N/A
Week 2	January 15, 2024	January 19, 2024	Electric Field	January 22, 2024 - 1:10PM
Week 3	January 22, 2024	January 26, 2024	Wheatstone Bridge	January 29, 2024 - 1:10PM
Week 4	January 29, 2024	February 2, 2024	Ohm's Law	February 5, 2024 - 1:10PM
Week 5	February 5, 2024	February 9, 2024	RC Circuits	February 12, 2024 - 1:10PM
Week 6	February 12, 2024	February 16, 2024	External Magnetic Field	February 19, 2024 - 1:10PM
Week 7	February 19, 2024	February 23, 2024	Oscilloscope	February 26, 2024 - 1:10PM
Week 8	February 26, 2024	March 1, 2024	Exam 1	In-class, February 26
Week 9	March 4, 2024	March 8, 2024	SPRING BREAK	
Week 10	March 11, 2024	March 15, 2024	Ray Tracing	March 18, 2024 - 1:10PM
Week 11	March 18, 2024	March 22, 2024	Refraction	March 25, 2024 - 1:10PM
Week 12	March 25, 2024	March 29, 2024	Focal Length of Lenses	April 1, 2024 - 1:10PM
Week 13	April 1, 2024	April 5, 2024	Diffraction	April 8, 2024 - 1:10PM
Week 14	April 8, 2024	April 12, 2024	Atomic Spectra	April 15, 2024 - 1:10PM
Week 15	April 15, 2024	April 19, 2024	Exam 2	In-class, April 15

Grade breakdown: Lab reports 50% | Exams 40% | Attendance 10%

Howard University
Department of Physics and Astronomy
Spring 2024

Course: PHYS 023-01 Physics for Sci and Eng I (Laboratory)

Location: Room 305, Tuesday 1:10-3:00pm

Report submission: In-person to your lab instructor at the beginning of next lab

Course Instructor	Dr. Sidi Maiga
Email	sidi.maiga@howard.edu
Office	Room 203, MW 5PM-6PM

Lab Instructor	Emmanuel Yakubu
Email	emmanuel.yakubu@bison.howard.edu

Lab Experiments: <https://physics.howard.edu/undergraduate/general-physics-lab-experiments>

Schedule (subject to change)

Deadline for lab report: Tuesday 1:10pm

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	January 8, 2024	January 12, 2024	Introduction	N/A
Week 2	January 15, 2024	January 19, 2024	Measurements	January 23, 2024 – 1:10PM
Week 3	January 22, 2024	January 26, 2024	Force Table	January 30, 2024 – 1:10PM
Week 4	January 29, 2024	February 2, 2024	Rectilinear Motion	February 6, 2024 – 1:10PM
Week 5	February 5, 2024	February 9, 2024	Atwood's Machine	February 13, 2024 – 1:10PM
Week 6	February 12, 2024	February 16, 2024	Ballistic Pendulum	February 20, 2024 – 1:10PM
Week 7	February 19, 2024	February 23, 2024	Rotation and Torque	February 27, 2024 – 1:10PM
Week 8	February 26, 2024	March 1, 2024	Exam 1	In-class, February 27
Week 9	March 4, 2024	March 8, 2024	SPRING BREAK	
Week 10	March 11, 2024	March 15, 2024	Simple Harmonic Motion	March 19, 2024 – 1:10PM
Week 11	March 18, 2024	March 22, 2024	Archimedes Principle	March 26, 2024 – 1:10PM
Week 12	March 25, 2024	March 29, 2024	Specific Heat of Solids	April 2, 2024 – 1:10PM
Week 13	April 1, 2024	April 5, 2024	Thermal Expansion	April 9, 2024 – 1:10PM
Week 14	April 8, 2024	April 12, 2024	Resonance in Air Columns	April 16, 2024 – 1:10PM
Week 15	April 15, 2024	April 19, 2024	Exam 2	In-class, April 16

Grade breakdown: Lab reports 50% | Exams 40% | Attendance 10%

Howard University
Department of Physics and Astronomy
Spring 2024

Course: PHYS 023-02 Physics for Sci and Eng I (Laboratory)

ONLINE COURSE

Report submission: Online by email to lab instructor by deadline listed in syllabus

Course Instructor	Dr. Sidi Maiga
Email	sidi.maiga@howard.edu
Office	Room 203, MW 5PM-6PM

Lab Instructor	LaRay Hare
Email	Laray.hare@bison.howard.edu

Lab Experiments: <https://physics.howard.edu/undergraduate/general-physics-lab-experiments>

Important Note: This course is fully online. Please complete your lab reports using the YouTube videos in the above link and submit your reports by the corresponding deadline. If the lab instructor requests it, you might be required to attend physically for the exams.

Schedule (subject to change)

Deadline for lab report: Thursday 3:10pm

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	January 8, 2024	January 12, 2024	Introduction	N/A
Week 2	January 15, 2024	January 19, 2024	Measurements	January 25, 2024 - 3:10PM
Week 3	January 22, 2024	January 26, 2024	Force Table	February 1, 2024 - 3:10PM
Week 4	January 29, 2024	February 2, 2024	Rectilinear Motion	February 8, 2024 - 3:10PM
Week 5	February 5, 2024	February 9, 2024	Atwood's Machine	February 15, 2024 - 3:10PM
Week 6	February 12, 2024	February 16, 2024	Ballistic Pendulum	February 22, 2024 - 3:10PM
Week 7	February 19, 2024	February 23, 2024	Rotation and Torque	February 29, 2024 - 3:10PM
Week 8	February 26, 2024	March 1, 2024	Exam 1	In-class, February 29
Week 9	March 4, 2024	March 8, 2024	SPRING BREAK	
Week 10	March 11, 2024	March 15, 2024	Simple Harmonic Motion	March 21, 2024 - 3:10PM
Week 11	March 18, 2024	March 22, 2024	Archimedes Principle	March 28, 2024 - 3:10PM
Week 12	March 25, 2024	March 29, 2024	Specific Heat of Solids	April 4, 2024 - 3:10PM
Week 13	April 1, 2024	April 5, 2024	Thermal Expansion	April 11, 2024 - 3:10PM
Week 14	April 8, 2024	April 12, 2024	Resonance in Air Columns	April 18, 2024 - 3:10PM
Week 15	April 15, 2024	April 19, 2024	Exam 2	April 18, 2024 - 3:10PM

Grade breakdown: Lab reports 60% | Exams 40%

Howard University
Department of Physics and Astronomy
Spring 2024

Course: PHYS 024-01 Physics for Sci and Eng II (Laboratory)

Location: Room 304, Wednesday 1:10-3:00pm

Report submission: In-person to your lab instructor at the beginning of next lab

Course Instructor	Dr. Sidi Maiga
Email	sidi.maiga@howard.edu
Office	Room 203, MW 5PM-6PM

Lab Instructor	Millicent Cosmas
Email	millicentcosm@gmail.com

Lab Experiments: <https://physics.howard.edu/undergraduate/general-physics-lab-experiments>

Schedule (subject to change)

Deadline for lab report: Wednesday 1:10pm

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	January 8, 2024	January 12, 2024	Introduction	N/A
Week 2	January 15, 2024	January 19, 2024	Electric Field	January 24, 2024 - 1:10PM
Week 3	January 22, 2024	January 26, 2024	Wheatstone Bridge	January 31, 2024 - 1:10PM
Week 4	January 29, 2024	February 2, 2024	Ohm's Law	February 7, 2024 - 1:10PM
Week 5	February 5, 2024	February 9, 2024	RC Circuits	February 14, 2024 - 1:10PM
Week 6	February 12, 2024	February 16, 2024	External Magnetic Field	February 21, 2024 - 1:10PM
Week 7	February 19, 2024	February 23, 2024	Oscilloscope	February 28, 2024 - 1:10PM
Week 8	February 26, 2024	March 1, 2024	Exam 1	In-class, February 28
Week 9	March 4, 2024	March 8, 2024	SPRING BREAK	
Week 10	March 11, 2024	March 15, 2024	Ray Tracing	March 20, 2024 - 1:10PM
Week 11	March 18, 2024	March 22, 2024	Refraction	March 27, 2024 - 1:10PM
Week 12	March 25, 2024	March 29, 2024	Focal Length of Lenses	April 3, 2024 - 1:10PM
Week 13	April 1, 2024	April 5, 2024	Diffraction	April 10, 2024 - 1:10PM
Week 14	April 8, 2024	April 12, 2024	Atomic Spectra	April 17, 2024 - 1:10PM
Week 15	April 15, 2024	April 19, 2024	Exam 2	In-class, April 17

Grade breakdown: Lab reports 50% | Exams 40% | Attendance 10%

Howard University
Department of Physics and Astronomy
Spring 2024

Course: PHYS 024-02 Physics for Sci and Eng II (Laboratory)

ONLINE COURSE

Report submission: Online by email to lab instructor by deadline listed in syllabus

Course Instructor	Dr. Sidi Maiga
Email	sidi.maiga@howard.edu
Office	Room 203, MW 5PM-6PM

Lab Instructor	LaRay Hare
Email	Laray.hare@bison.howard.edu

Lab Experiments: <https://physics.howard.edu/undergraduate/general-physics-lab-experiments>

Important Note: This course is fully online. Please complete your lab reports using the YouTube videos in the above link and submit your reports by the corresponding deadline. If the lab instructor requests it, you might be required to attend physically for the exams.

Schedule (subject to change)

Deadline for lab report: Friday 1:10pm

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	January 8, 2024	January 12, 2024	Introduction	N/A
Week 2	January 15, 2024	January 19, 2024	Electric Field	January 26, 2024 - 1:10PM
Week 3	January 22, 2024	January 26, 2024	Wheatstone Bridge	February 2, 2024 - 1:10PM
Week 4	January 29, 2024	February 2, 2024	Ohm's Law	February 9, 2024 - 1:10PM
Week 5	February 5, 2024	February 9, 2024	RC Circuits	February 16, 2024 - 1:10PM
Week 6	February 12, 2024	February 16, 2024	External Magnetic Field	February 23, 2024 - 1:10PM
Week 7	February 19, 2024	February 23, 2024	Oscilloscope	March 1, 2024 - 1:10PM
Week 8	February 26, 2024	March 1, 2024	Exam 1	March 1, 2024 - 1:10PM
Week 9	March 4, 2024	March 8, 2024	SPRING BREAK	
Week 10	March 11, 2024	March 15, 2024	Ray Tracing	March 22, 2024 - 1:10PM
Week 11	March 18, 2024	March 22, 2024	Refraction	March 29, 2024 - 1:10PM
Week 12	March 25, 2024	March 29, 2024	Focal Length of Lenses	April 5, 2024 - 1:10PM
Week 13	April 1, 2024	April 5, 2024	Diffraction	April 12, 2024 - 1:10PM
Week 14	April 8, 2024	April 12, 2024	Atomic Spectra	April 19, 2024 - 1:10PM
Week 15	April 15, 2024	April 19, 2024	Exam 2	April 19, 2024 - 1:10PM

Grade breakdown: Lab reports 60% | Exams 40%

Howard University
Department of Physics and Astronomy
Spring 2024

Course: PHYS 007-01 Physics for Sci and Eng II (Laboratory)

Location: Room 207, Thursday 10:10am-12:00pm

Report submission: In-person to your lab instructor at the beginning of next lab

Course/Lab Instructor	Dr. Tibebu A. Getachew
Email	Tibebu.ayalew@howard.edu
Office	Room 101

Lab Instructor	Emmanuel Yakubu
Email	emmanuel.yakubu@bison.howard.edu

Lab Experiments: <https://physics.howard.edu/undergraduate/general-physics-lab-experiments>

Schedule (subject to change)

Deadline for lab report: Thursday 10:10am

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	January 8, 2024	January 12, 2024	Introduction	N/A
Week 2	January 15, 2024	January 19, 2024	Measurements	January 25, 2024 - 10:10AM
Week 3	January 22, 2024	January 26, 2024	Force Table	February 1, 2024 - 10:10AM
Week 4	January 29, 2024	February 2, 2024	Rectilinear Motion	February 8, 2024 - 10:10AM
Week 5	February 5, 2024	February 9, 2024	Atwood's Machine	February 15, 2024 - 10:10AM
Week 6	February 12, 2024	February 16, 2024	Archimedes' Principle	February 22, 2024 - 10:10AM
Week 7	February 19, 2024	February 23, 2024	Thermal Expansion	February 29, 2024 - 10:10AM
Week 8	February 26, 2024	March 1, 2024	Exam 1	In-class, February 29
Week 9	March 4, 2024	March 8, 2024	SPRING BREAK	
Week 10	March 11, 2024	March 15, 2024	Electric Field	March 21, 2024 - 10:10AM
Week 11	March 18, 2024	March 22, 2024	Ohm's Law	March 28, 2024 - 10:10AM
Week 12	March 25, 2024	March 29, 2024	Ray Tracing	April 4, 2024 - 10:10AM
Week 13	April 1, 2024	April 5, 2024	Focal Length of Lenses	April 11, 2024 - 10:10AM
Week 14	April 8, 2024	April 12, 2024	Refraction	April 18, 2024 - 10:10AM
Week 15	April 15, 2024	April 19, 2024	Exam 2	In-class, April 18

Grade breakdown: Lab reports 50% | Exams 40% | Attendance 10%