

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

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

**Location: Room 305, Tuesday 3:10-5:00pm**

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

Course Instructor	Dr. Dragana Tankosic
Email	<a href="mailto:dragana.tankosic@howard.edu">dragana.tankosic@howard.edu</a>
Office	Room 202

Lab Instructor	Asibey Lordina
Email	<a href="mailto:Lordina.Asibey@bison.howard.edu">Lordina.Asibey@bison.howard.edu</a>

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

Schedule (subject to change)

**Deadline for lab report: Tuesdays 3:10pm**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Measurements	September 5, 2023 – 3:10PM
Week 3	September 4, 2023	September 8, 2023	Force Table	September 12, 2023 – 3:10PM
Week 4	September 11, 2023	September 15, 2023	Rectilinear Motion	September 19, 2023 – 3:10PM
Week 5	September 18, 2023	September 22, 2023	Atwood's Machine	September 26, 2023 – 3:10PM
Week 6	September 25, 2023	September 29, 2023	Ballistic Pendulum	October 3, 2023 – 3:10PM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Rotation and Torque	October 17, 2023 – 3:10PM
Week 9	October 16, 2023	October 20, 2023	Simple Harmonic Motion	October 24, 2023 – 3:10PM
Week 10	October 23, 2023	October 27, 2023	Archimedes Principle	October 31, 2023 – 3:10PM
Week 11	October 30, 2023	November 3, 2023	Specific Heat of Solids	November 7, 2023 – 3:10PM
Week 12	November 6, 2023	November 10, 2023	Thermal Expansion	November 14, 2023 – 3:10PM
Week 13	November 13, 2023	November 17, 2023	Resonance in Air Columns	November 28, 2023 – 3:10PM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Week	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

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

**Location: Room 305, Thursday 3:10-5:00pm**

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

Course Instructor	Dr. Dragana Tankosic
Email	<a href="mailto:dragana.tankosic@howard.edu">dragana.tankosic@howard.edu</a>
Office	Room 202

Lab Instructor	Kevaughn Johnson
Email	<a href="mailto:kevaughnkevinjohnson@gmail.com">kevaughnkevinjohnson@gmail.com</a>

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

Schedule (subject to change)

**Deadline for lab report: Thursdays 3:10pm**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Measurements	September 7, 2023 – 3:10PM
Week 3	September 4, 2023	September 8, 2023	Force Table	September 14, 2023 – 3:10PM
Week 4	September 11, 2023	September 15, 2023	Rectilinear Motion	September 21, 2023 – 3:10PM
Week 5	September 18, 2023	September 22, 2023	Atwood's Machine	September 28, 2023 – 3:10PM
Week 6	September 25, 2023	September 29, 2023	Ballistic Pendulum	October 5, 2023 – 3:10PM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Rotation and Torque	October 19, 2023 – 3:10PM
Week 9	October 16, 2023	October 20, 2023	Simple Harmonic Motion	October 26, 2023 – 3:10PM
Week 10	October 23, 2023	October 27, 2023	Archimedes Principle	November 2, 2023 – 3:10PM
Week 11	October 30, 2023	November 3, 2023	Specific Heat of Solids	November 9, 2023 – 3:10PM
Week 12	November 6, 2023	November 10, 2023	Thermal Expansion	November 16, 2023 – 3:10PM
Week 13	November 13, 2023	November 17, 2023	Resonance in Air Columns	November 30, 2023 – 3:10PM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Week	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

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

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

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

Course Instructor	Dr. Dragana Tankosic
Email	<a href="mailto:dragana.tankosic@howard.edu">dragana.tankosic@howard.edu</a>
Office	Room 202

Lab Instructor	Ashutosh
Email	<a href="mailto:ashutosh@bison.howard.edu">ashutosh@bison.howard.edu</a>

**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	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Measurements	September 7, 2023 – 10:10AM
Week 3	September 4, 2023	September 8, 2023	Force Table	September 14, 2023 – 10:10AM
Week 4	September 11, 2023	September 15, 2023	Rectilinear Motion	September 21, 2023 – 10:10AM
Week 5	September 18, 2023	September 22, 2023	Atwood's Machine	September 28, 2023 – 10:10AM
Week 6	September 25, 2023	September 29, 2023	Ballistic Pendulum	October 5, 2023 – 10:10AM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Rotation and Torque	October 19, 2023 – 10:10AM
Week 9	October 16, 2023	October 20, 2023	Simple Harmonic Motion	October 26, 2023 – 10:10AM
Week 10	October 23, 2023	October 27, 2023	Archimedes Principle	November 2, 2023 – 10:10AM
Week 11	October 30, 2023	November 3, 2023	Specific Heat of Solids	November 9, 2023 – 10:10AM
Week 12	November 6, 2023	November 10, 2023	Thermal Expansion	November 16, 2023 – 10:10AM
Week 13	November 13, 2023	November 17, 2023	Resonance in Air Columns	November 30, 2023 – 10:10AM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Week	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

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

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

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

Course Instructor	Dr. Dragana Tankosic
Email	<a href="mailto:dragana.tankosic@howard.edu">dragana.tankosic@howard.edu</a>
Office	Room 202

Lab Instructor	Ashutosh
Email	<a href="mailto:ashutosh@bison.howard.edu">ashutosh@bison.howard.edu</a>

**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	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Measurements	September 5, 2023 – 10:10AM
Week 3	September 4, 2023	September 8, 2023	Force Table	September 12, 2023 – 10:10AM
Week 4	September 11, 2023	September 15, 2023	Rectilinear Motion	September 19, 2023 – 10:10AM
Week 5	September 18, 2023	September 22, 2023	Atwood's Machine	September 26, 2023 – 10:10AM
Week 6	September 25, 2023	September 29, 2023	Ballistic Pendulum	October 3, 2023 – 10:10AM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Rotation and Torque	October 17, 2023 – 10:10AM
Week 9	October 16, 2023	October 20, 2023	Simple Harmonic Motion	October 24, 2023 – 10:10AM
Week 10	October 23, 2023	October 27, 2023	Archimedes Principle	October 31, 2023 – 10:10AM
Week 11	October 30, 2023	November 3, 2023	Specific Heat of Solids	November 7, 2023 – 10:10AM
Week 12	November 6, 2023	November 10, 2023	Thermal Expansion	November 14, 2023 – 10:10AM
Week 13	November 13, 2023	November 17, 2023	Resonance in Air Columns	November 28, 2023 – 10:10AM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Week	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

**Course: PHYS 001-05 General Physics I (Laboratory)**

**Location: Room 305, 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	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Office	Room 203, MW 5PM-6PM

Lab Instructor	Kevaughn Johnson
Email	<a href="mailto:kevaughnkevinjohnson@gmail.com">kevaughnkevinjohnson@gmail.com</a>

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

Schedule (subject to change)

**Deadline for lab report: Tuesdays 6:10pm**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Measurements	September 5, 2023 – 6:10PM
Week 3	September 4, 2023	September 8, 2023	Force Table	September 12, 2023 – 6:10PM
Week 4	September 11, 2023	September 15, 2023	Rectilinear Motion	September 19, 2023 – 6:10PM
Week 5	September 18, 2023	September 22, 2023	Atwood's Machine	September 26, 2023 – 6:10PM
Week 6	September 25, 2023	September 29, 2023	Ballistic Pendulum	October 3, 2023 – 6:10PM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Rotation and Torque	October 17, 2023 – 6:10PM
Week 9	October 16, 2023	October 20, 2023	Simple Harmonic Motion	October 24, 2023 – 6:10PM
Week 10	October 23, 2023	October 27, 2023	Archimedes Principle	October 31, 2023 – 6:10PM
Week 11	October 30, 2023	November 3, 2023	Specific Heat of Solids	November 7, 2023 – 6:10PM
Week 12	November 6, 2023	November 10, 2023	Thermal Expansion	November 14, 2023 – 6:10PM
Week 13	November 13, 2023	November 17, 2023	Resonance in Air Columns	November 28, 2023 – 6:10PM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Week	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

**Course: PHYS 001-06 General Physics I (Laboratory)**

**Location: Room 305, 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	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Office	Room 203, MW 5PM-6PM

Lab Instructor	Kevaughn Johnson
Email	<a href="mailto:kevaughnkevinjohnson@gmail.com">kevaughnkevinjohnson@gmail.com</a>

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

Schedule (subject to change)

**Deadline for lab report: Thursdays 6:10pm**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Measurements	September 7, 2023 – 6:10PM
Week 3	September 4, 2023	September 8, 2023	Force Table	September 14, 2023 – 6:10PM
Week 4	September 11, 2023	September 15, 2023	Rectilinear Motion	September 21, 2023 – 6:10PM
Week 5	September 18, 2023	September 22, 2023	Atwood's Machine	September 28, 2023 – 6:10PM
Week 6	September 25, 2023	September 29, 2023	Ballistic Pendulum	October 5, 2023 – 6:10PM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Rotation and Torque	October 19, 2023 – 6:10PM
Week 9	October 16, 2023	October 20, 2023	Simple Harmonic Motion	October 26, 2023 – 6:10PM
Week 10	October 23, 2023	October 27, 2023	Archimedes Principle	November 2, 2023 – 6:10PM
Week 11	October 30, 2023	November 3, 2023	Specific Heat of Solids	November 9, 2023 – 6:10PM
Week 12	November 6, 2023	November 10, 2023	Thermal Expansion	November 16, 2023 – 6:10PM
Week 13	November 13, 2023	November 17, 2023	Resonance in Air Columns	November 30, 2023 – 6:10PM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Week	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

**Course: PHYS 001-07 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. Sidi Maiga
Email	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Office	Room 203, MW 5PM-6PM

Lab Instructor	Ashutosh
Email	<a href="mailto:ashutosh@bison.howard.edu">ashutosh@bison.howard.edu</a>

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

Schedule (subject to change)

**Deadline for lab report: Thursdays 1:10pm**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Measurements	September 7, 2023 – 1:10PM
Week 3	September 4, 2023	September 8, 2023	Force Table	September 14, 2023 – 1:10PM
Week 4	September 11, 2023	September 15, 2023	Rectilinear Motion	September 21, 2023 – 1:10PM
Week 5	September 18, 2023	September 22, 2023	Atwood's Machine	September 28, 2023 – 1:10PM
Week 6	September 25, 2023	September 29, 2023	Ballistic Pendulum	October 5, 2023 – 1:10PM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Rotation and Torque	October 19, 2023 – 1:10PM
Week 9	October 16, 2023	October 20, 2023	Simple Harmonic Motion	October 26, 2023 – 1:10PM
Week 10	October 23, 2023	October 27, 2023	Archimedes Principle	November 2, 2023 – 1:10PM
Week 11	October 30, 2023	November 3, 2023	Specific Heat of Solids	November 9, 2023 – 1:10PM
Week 12	November 6, 2023	November 10, 2023	Thermal Expansion	November 16, 2023 – 1:10PM
Week 13	November 13, 2023	November 17, 2023	Resonance in Air Columns	November 30, 2023 – 1:10PM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Weekend	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

**Course: PHYS 001-08 General Physics I (Laboratory)**

**Location: Room 305, Wednesday 5:10-7:00pm**

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

Course Instructor	Dr. Dragana Tankosic
Email	<a href="mailto:dragana.tankosic@howard.edu">dragana.tankosic@howard.edu</a>
Office	Room 202

Lab Instructor	Asibey Lordina
Email	<a href="mailto:Lordina.Asibey@bison.howard.edu">Lordina.Asibey@bison.howard.edu</a>

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

Schedule (subject to change)

**Deadline for lab report: Wednesdays 5:10pm**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Measurements	September 6, 2023 – 5:10PM
Week 3	September 4, 2023	September 8, 2023	Force Table	September 13, 2023 – 5:10PM
Week 4	September 11, 2023	September 15, 2023	Rectilinear Motion	September 20, 2023 – 5:10PM
Week 5	September 18, 2023	September 22, 2023	Atwood's Machine	September 27, 2023 – 5:10PM
Week 6	September 25, 2023	September 29, 2023	Ballistic Pendulum	October 4, 2023 – 5:10PM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Rotation and Torque	October 18, 2023 – 5:10PM
Week 9	October 16, 2023	October 20, 2023	Simple Harmonic Motion	October 25, 2023 – 5:10PM
Week 10	October 23, 2023	October 27, 2023	Archimedes Principle	November 1, 2023 – 5:10PM
Week 11	October 30, 2023	November 3, 2023	Specific Heat of Solids	November 8, 2023 – 5:10PM
Week 12	November 6, 2023	November 10, 2023	Thermal Expansion	November 15, 2023 – 5:10PM
Week 13	November 13, 2023	November 17, 2023	Resonance in Air Columns	November 29, 2023 – 5:10PM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Weekend	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

**Course: PHYS 001-09 General Physics I (Laboratory)**

**Location: Room 305, Monday 5:10-7:00pm**

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

Course Instructor	Dr. Dragana Tankosic
Email	<a href="mailto:dragana.tankosic@howard.edu">dragana.tankosic@howard.edu</a>
Office	Room 202

Lab Instructor	Ravneet Kaur
Email	<a href="mailto:Ravneet.Kaur@bison.howard.edu">Ravneet.Kaur@bison.howard.edu</a>

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

Schedule (subject to change)

**Deadline for lab report: Mondays 5:10pm**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Measurements	September 11, 2023 – 5:10PM
Week 3	September 4, 2023	September 8, 2023	Force Table <b>Labor Day Complete Online</b>	September 11, 2023 – 5:10PM
Week 4	September 11, 2023	September 15, 2023	Rectilinear Motion	September 18, 2023 – 5:10PM
Week 5	September 18, 2023	September 22, 2023	Atwood's Machine	September 25, 2023 – 5:10PM
Week 6	September 25, 2023	September 29, 2023	Ballistic Pendulum	October 2, 2023 – 5:10PM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Rotation and Torque <b>Mental Health Day Complete Online</b>	October 16, 2023 – 5:10PM
Week 9	October 16, 2023	October 20, 2023	Simple Harmonic Motion	October 23, 2023 – 5:10PM
Week 10	October 23, 2023	October 27, 2023	Archimedes Principle	October 30, 2023 – 5:10PM
Week 11	October 30, 2023	November 3, 2023	Specific Heat of Solids	November 6, 2023 – 5:10PM
Week 12	November 6, 2023	November 10, 2023	Thermal Expansion	November 13, 2023 – 5:10PM
Week 13	November 13, 2023	November 17, 2023	Resonance in Air Columns	November 27, 2023 – 5:10PM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Weekend	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

**Course: PHYS 001-10 General Physics I (Laboratory)**

**Location: Room 305, Friday 11:10-1:00pm**

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

Course Instructor	Dr. Dragana Tankosic
Email	<a href="mailto:dragana.tankosic@howard.edu">dragana.tankosic@howard.edu</a>
Office	Room 202

Lab Instructor	Aaron Conard
Email	<a href="mailto:aaron.conard@bison.howard.edu">aaron.conard@bison.howard.edu</a>

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

Schedule (subject to change)

**Deadline for lab report: Fridays 11:10am**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Measurements	September 8, 2023 – 11:10AM
Week 3	September 4, 2023	September 8, 2023	Force Table	September 15, 2023 – 11:10AM
Week 4	September 11, 2023	September 15, 2023	Rectilinear Motion	September 22, 2023 – 11:10AM
Week 5	September 18, 2023	September 22, 2023	Atwood's Machine	September 29, 2023 – 11:10AM
Week 6	September 25, 2023	September 29, 2023	Ballistic Pendulum	October 6, 2023 – 11:10AM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Rotation and Torque	October 20, 2023 – 11:10AM
Week 9	October 16, 2023	October 20, 2023	Simple Harmonic Motion	October 27, 2023 – 11:10AM
Week 10	October 23, 2023	October 27, 2023	Archimedes Principle	November 3, 2023 – 11:10AM
Week 11	October 30, 2023	November 3, 2023	Specific Heat of Solids	November 17, 2023 – 11:10AM
Week 12	November 6, 2023	November 10, 2023	Thermal Expansion <b>Veteran's Day Complete Online</b>	November 17, 2023 – 11:10AM
Week 13	November 13, 2023	November 17, 2023	Resonance in Air Columns	December 1, 2023 – 11:10AM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Weekend	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

**Course: PHYS 001-11 General Physics I (Laboratory)**

**Location: Room 305, Monday 11:10-1:00pm**

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

Course Instructor	Dr. Dragana Tankosic
Email	<a href="mailto:dragana.tankosic@howard.edu">dragana.tankosic@howard.edu</a>
Office	Room 202

Lab Instructor	Vishal Thakur
Email	<a href="mailto:Vishal.Thakur@bison.howard.edu">Vishal.Thakur@bison.howard.edu</a>

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

Schedule (subject to change)

**Deadline for lab report: Mondays 11:10am**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Measurements	September 11, 2023 – 11:10AM
Week 3	September 4, 2023	September 8, 2023	Force Table <b>Labor Day</b> <b>Complete Online</b>	September 11, 2023 – 11:10AM
Week 4	September 11, 2023	September 15, 2023	Rectilinear Motion	September 18, 2023 – 11:10AM
Week 5	September 18, 2023	September 22, 2023	Atwood's Machine	September 25, 2023 – 11:10AM
Week 6	September 25, 2023	September 29, 2023	Ballistic Pendulum	October 2, 2023 – 11:10AM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Rotation and Torque <b>Mental Health Day</b> <b>Complete Online</b>	October 16, 2023 – 11:10AM
Week 9	October 16, 2023	October 20, 2023	Simple Harmonic Motion	October 23, 2023 – 11:10AM
Week 10	October 23, 2023	October 27, 2023	Archimedes Principle	October 30, 2023 – 11:10AM
Week 11	October 30, 2023	November 3, 2023	Specific Heat of Solids	November 6, 2023 – 11:10AM
Week 12	November 6, 2023	November 10, 2023	Thermal Expansion	November 13, 2023 – 11:10AM
Week 13	November 13, 2023	November 17, 2023	Resonance in Air Columns	November 27, 2023 – 11:10AM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Weekend	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

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

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

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

Course Instructor	Dr. Hawazin Alghamdi
Email	<a href="mailto:hawazin.alghamdi@bison.howard.edu">hawazin.alghamdi@bison.howard.edu</a>
Office	Room 201

Lab Instructor	Sahil Pradhan
Email	<a href="mailto:Sahil.Pradhan@bison.howard.edu">Sahil.Pradhan@bison.howard.edu</a>

**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	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Electric Field	September 7, 2023 – 10:10AM
Week 3	September 4, 2023	September 8, 2023	Wheatstone Bridge	September 14, 2023 – 10:10AM
Week 4	September 11, 2023	September 15, 2023	Ohm's Law	September 21, 2023 – 10:10AM
Week 5	September 18, 2023	September 22, 2023	RC Circuits	September 28, 2023 – 10:10AM
Week 6	September 25, 2023	September 29, 2023	External Magnetic Field	October 5, 2023 – 10:10AM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Oscilloscope	October 19, 2023 – 10:10AM
Week 9	October 16, 2023	October 20, 2023	Ray Tracing	October 26, 2023 – 10:10AM
Week 10	October 23, 2023	October 27, 2023	Refraction	November 2, 2023 – 10:10AM
Week 11	October 30, 2023	November 3, 2023	Focal Length of Lenses	November 9, 2023 – 10:10AM
Week 12	November 6, 2023	November 10, 2023	Diffraction	November 16, 2023 – 10:10AM
Week 13	November 13, 2023	November 17, 2023	Atomic Spectra	November 30, 2023 – 10:10AM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Weekend	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

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

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

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

Course Instructor	Dr. Hawazin Alghamdi
Email	<a href="mailto:hawazin.alghamdi@bison.howard.edu">hawazin.alghamdi@bison.howard.edu</a>
Office	Room 201

Lab Instructor	Emmanuel Yakubu
Email	<a href="mailto:emmanuel.yakubu@bison.howard.edu">emmanuel.yakubu@bison.howard.edu</a>

**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	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Electric Field	September 5, 2023 – 10:10AM
Week 3	September 4, 2023	September 8, 2023	Wheatstone Bridge	September 12, 2023 – 10:10AM
Week 4	September 11, 2023	September 15, 2023	Ohm's Law	September 19, 2023 – 10:10AM
Week 5	September 18, 2023	September 22, 2023	RC Circuits	September 26, 2023 – 10:10AM
Week 6	September 25, 2023	September 29, 2023	External Magnetic Field	October 3, 2023 – 10:10AM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Oscilloscope	October 17, 2023 – 10:10AM
Week 9	October 16, 2023	October 20, 2023	Ray Tracing	October 24, 2023 – 10:10AM
Week 10	October 23, 2023	October 27, 2023	Refraction	October 31, 2023 – 10:10AM
Week 11	October 30, 2023	November 3, 2023	Focal Length of Lenses	November 7, 2023 – 10:10AM
Week 12	November 6, 2023	November 10, 2023	Diffraction	November 14, 2023 – 10:10AM
Week 13	November 13, 2023	November 17, 2023	Atomic Spectra	November 28, 2023 – 10:10AM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Week	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

**Course: PHYS 002-03 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. Hawazin Alghamdi
Email	<a href="mailto:hawazin.alghamdi@bison.howard.edu">hawazin.alghamdi@bison.howard.edu</a>
Office	Room 201

Lab Instructor	Aaron Conard
Email	<a href="mailto:aaron.conard@bison.howard.edu">aaron.conard@bison.howard.edu</a>

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

Schedule (subject to change)

**Deadline for lab report: Tuesdays 1:10pm**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Electric Field	September 5, 2023 – 1:10PM
Week 3	September 4, 2023	September 8, 2023	Wheatstone Bridge	September 12, 2023 – 1:10PM
Week 4	September 11, 2023	September 15, 2023	Ohm's Law	September 19, 2023 – 1:10PM
Week 5	September 18, 2023	September 22, 2023	RC Circuits	September 26, 2023 – 1:10PM
Week 6	September 25, 2023	September 29, 2023	External Magnetic Field	October 3, 2023 – 1:10PM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Oscilloscope	October 17, 2023 – 1:10PM
Week 9	October 16, 2023	October 20, 2023	Ray Tracing	October 24, 2023 – 1:10PM
Week 10	October 23, 2023	October 27, 2023	Refraction	October 31, 2023 – 1:10PM
Week 11	October 30, 2023	November 3, 2023	Focal Length of Lenses	November 7, 2023 – 1:10PM
Week 12	November 6, 2023	November 10, 2023	Diffraction	November 14, 2023 – 1:10PM
Week 13	November 13, 2023	November 17, 2023	Atomic Spectra	November 28, 2023 – 1:10PM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Week	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

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

**Location: Room 304, Tuesday 5:10-7:00pm**

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

Course Instructor	Dr. Hawazin Alghamdi
Email	<a href="mailto:hawazin.alghamdi@bison.howard.edu">hawazin.alghamdi@bison.howard.edu</a>
Office	Room 201

Lab Instructor	Asibey Lordina
Email	<a href="mailto:Lordina.Asibey@bison.howard.edu">Lordina.Asibey@bison.howard.edu</a>

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

Schedule (subject to change)

**Deadline for lab report: Tuesdays 5:10pm**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Electric Field	September 5, 2023 – 5:10PM
Week 3	September 4, 2023	September 8, 2023	Wheatstone Bridge	September 12, 2023 – 5:10PM
Week 4	September 11, 2023	September 15, 2023	Ohm's Law	September 19, 2023 – 5:10PM
Week 5	September 18, 2023	September 22, 2023	RC Circuits	September 26, 2023 – 5:10PM
Week 6	September 25, 2023	September 29, 2023	External Magnetic Field	October 3, 2023 – 5:10PM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Oscilloscope	October 17, 2023 – 5:10PM
Week 9	October 16, 2023	October 20, 2023	Ray Tracing	October 24, 2023 – 5:10PM
Week 10	October 23, 2023	October 27, 2023	Refraction	October 31, 2023 – 5:10PM
Week 11	October 30, 2023	November 3, 2023	Focal Length of Lenses	November 7, 2023 – 5:10PM
Week 12	November 6, 2023	November 10, 2023	Diffraction	November 14, 2023 – 5:10PM
Week 13	November 13, 2023	November 17, 2023	Atomic Spectra	November 28, 2023 – 5:10PM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Week	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

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

**Location: Room 305, Friday 3:10-5:00pm**

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

Course Instructor	Dr. Sidi Maiga
Email	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Office	Room 203, MW 5PM-6PM

Lab Instructor	Aaron Conard
Email	<a href="mailto:aaron.conard@bison.howard.edu">aaron.conard@bison.howard.edu</a>

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

Schedule (subject to change)

**Deadline for lab report: Fridays 3:10pm**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Measurements	September 8, 2023 – 3:10PM
Week 3	September 4, 2023	September 8, 2023	Force Table	September 15, 2023 – 3:10PM
Week 4	September 11, 2023	September 15, 2023	Rectilinear Motion	September 22, 2023 – 3:10PM
Week 5	September 18, 2023	September 22, 2023	Atwood's Machine	September 29, 2023 – 3:10PM
Week 6	September 25, 2023	September 29, 2023	Ballistic Pendulum	October 6, 2023 – 3:10PM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Rotation and Torque	October 20, 2023 – 3:10PM
Week 9	October 16, 2023	October 20, 2023	Simple Harmonic Motion	October 27, 2023 – 3:10PM
Week 10	October 23, 2023	October 27, 2023	Archimedes Principle	November 3, 2023 – 3:10PM
Week 11	October 30, 2023	November 3, 2023	Specific Heat of Solids	November 17, 2023 – 3:10PM
Week 12	November 6, 2023	November 10, 2023	Thermal Expansion <b>Veteran's Day Complete Online</b>	November 17, 2023 – 3:10PM
Week 13	November 13, 2023	November 17, 2023	Resonance in Air Columns	December 1, 2023 – 3:10PM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Weekend	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

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

**Location: Room 305, 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	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Office	Room 203, MW 5PM-6PM

Lab Instructor	Millicent Cosmas
Email	<a href="mailto:millicentcosm@gmail.com">millicentcosm@gmail.com</a>

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

Schedule (subject to change)

**Deadline for lab report: Wednesdays 1:10pm**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Measurements	September 6, 2023 – 1:10PM
Week 3	September 4, 2023	September 8, 2023	Force Table	September 13, 2023 – 1:10PM
Week 4	September 11, 2023	September 15, 2023	Rectilinear Motion	September 20, 2023 – 1:10PM
Week 5	September 18, 2023	September 22, 2023	Atwood's Machine	September 27, 2023 – 1:10PM
Week 6	September 25, 2023	September 29, 2023	Ballistic Pendulum	October 4, 2023 – 1:10PM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Rotation and Torque	October 18, 2023 – 1:10PM
Week 9	October 16, 2023	October 20, 2023	Simple Harmonic Motion	October 25, 2023 – 1:10PM
Week 10	October 23, 2023	October 27, 2023	Archimedes Principle	November 1, 2023 – 1:10PM
Week 11	October 30, 2023	November 3, 2023	Specific Heat of Solids	November 8, 2023 – 1:10PM
Week 12	November 6, 2023	November 10, 2023	Thermal Expansion	November 15, 2023 – 1:10PM
Week 13	November 13, 2023	November 17, 2023	Resonance in Air Columns	November 29, 2023 – 1:10PM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Weekend	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

**Course: PHYS 023-03 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	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Office	Room 203, MW 5PM-6PM

Lab Instructor	Vishal Thakur
Email	<a href="mailto:Vishal.Thakur@bison.howard.edu">Vishal.Thakur@bison.howard.edu</a>

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

Schedule (subject to change)

**Deadline for lab report: Tuesdays 1:10pm**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Measurements	September 5, 2023 – 1:10PM
Week 3	September 4, 2023	September 8, 2023	Force Table	September 12, 2023 – 1:10PM
Week 4	September 11, 2023	September 15, 2023	Rectilinear Motion	September 19, 2023 – 1:10PM
Week 5	September 18, 2023	September 22, 2023	Atwood's Machine	September 26, 2023 – 1:10PM
Week 6	September 25, 2023	September 29, 2023	Ballistic Pendulum	October 3, 2023 – 1:10PM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Rotation and Torque	October 17, 2023 – 1:10PM
Week 9	October 16, 2023	October 20, 2023	Simple Harmonic Motion	October 24, 2023 – 1:10PM
Week 10	October 23, 2023	October 27, 2023	Archimedes Principle	October 31, 2023 – 1:10PM
Week 11	October 30, 2023	November 3, 2023	Specific Heat of Solids	November 7, 2023 – 1:10PM
Week 12	November 6, 2023	November 10, 2023	Thermal Expansion	November 14, 2023 – 1:10PM
Week 13	November 13, 2023	November 17, 2023	Resonance in Air Columns	November 28, 2023 – 1:10PM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Weekend	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

**Course: PHYS 023-04 Physics for Sci and Eng I (Laboratory)**

**Location: Room 305, Wednesday 11:10-1:00pm**

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

Course Instructor	Dr. Sidi Maiga
Email	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Office	Room 203, MW 5PM-6PM

Lab Instructor	Millicent Cosmas
Email	<a href="mailto:milicentcosm@gmail.com">milicentcosm@gmail.com</a>

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

Schedule (subject to change)

**Deadline for lab report: Wednesdays 11:10am**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Measurements	September 6, 2023 – 11:10AM
Week 3	September 4, 2023	September 8, 2023	Force Table	September 13, 2023 – 11:10AM
Week 4	September 11, 2023	September 15, 2023	Rectilinear Motion	September 20, 2023 – 11:10AM
Week 5	September 18, 2023	September 22, 2023	Atwood's Machine	September 27, 2023 – 11:10AM
Week 6	September 25, 2023	September 29, 2023	Ballistic Pendulum	October 4, 2023 – 11:10AM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Rotation and Torque	October 18, 2023 – 11:10AM
Week 9	October 16, 2023	October 20, 2023	Simple Harmonic Motion	October 25, 2023 – 11:10AM
Week 10	October 23, 2023	October 27, 2023	Archimedes Principle	November 1, 2023 – 11:10AM
Week 11	October 30, 2023	November 3, 2023	Specific Heat of Solids	November 8, 2023 – 11:10AM
Week 12	November 6, 2023	November 10, 2023	Thermal Expansion	November 15, 2023 – 11:10AM
Week 13	November 13, 2023	November 17, 2023	Resonance in Air Columns	November 29, 2023 – 11:10AM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Weekend	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

**Course: PHYS 023-05 Physics for Sci and Eng I (Laboratory)**

**Location: Room 305, Monday 1:10-3:00pm**

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

Course Instructor	Dr. Sidi Maiga
Email	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Office	Room 203, MW 5PM-6PM

Lab Instructor	Emmanuel Yakubu
Email	<a href="mailto:emmanuel.yakubu@bison.howard.edu">emmanuel.yakubu@bison.howard.edu</a>

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

Schedule (subject to change)

**Deadline for lab report: Mondays 1:10pm**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Measurements	September 11, 2023 – 1:10PM
Week 3	September 4, 2023	September 8, 2023	Force Table <b>Labor Day: Complete Online</b>	September 11, 2023 – 1:10PM
Week 4	September 11, 2023	September 15, 2023	Rectilinear Motion	September 18, 2023 – 1:10PM
Week 5	September 18, 2023	September 22, 2023	Atwood's Machine	September 25, 2023 – 1:10PM
Week 6	September 25, 2023	September 29, 2023	Ballistic Pendulum	October 2, 2023 – 1:10PM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Rotation and Torque <b>Mental Health Day: Complete Online</b>	October 16, 2023 – 1:10PM
Week 9	October 16, 2023	October 20, 2023	Simple Harmonic Motion	October 23, 2023 – 1:10PM
Week 10	October 23, 2023	October 27, 2023	Archimedes Principle	October 30, 2023 – 1:10PM
Week 11	October 30, 2023	November 3, 2023	Specific Heat of Solids	November 6, 2023 – 1:10PM
Week 12	November 6, 2023	November 10, 2023	Thermal Expansion	November 13, 2023 – 1:10PM
Week 13	November 13, 2023	November 17, 2023	Resonance in Air Columns	November 27, 2023 – 1:10PM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Weekend	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

**Course: PHYS 023-06 Physics for Sci and Eng I (Laboratory)**

**Location: Room 305, Friday 1:10-3:00pm**

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

Course Instructor	Dr. Sidi Maiga
Email	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Office	Room 203, MW 5PM-6PM

Lab Instructor	Ravneet Kaur
Email	<a href="mailto:Ravneet.Kaur@bison.howard.edu">Ravneet.Kaur@bison.howard.edu</a>

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

Schedule (subject to change)

**Deadline for lab report: Fridays 1:10pm**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Measurements	September 8, 2023 – 1:10PM
Week 3	September 4, 2023	September 8, 2023	Force Table	September 15, 2023 – 1:10PM
Week 4	September 11, 2023	September 15, 2023	Rectilinear Motion	September 22, 2023 – 1:10PM
Week 5	September 18, 2023	September 22, 2023	Atwood's Machine	September 29, 2023 – 1:10PM
Week 6	September 25, 2023	September 29, 2023	Ballistic Pendulum	October 6, 2023 – 1:10PM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Rotation and Torque	October 20, 2023 – 1:10PM
Week 9	October 16, 2023	October 20, 2023	Simple Harmonic Motion	October 27, 2023 – 1:10PM
Week 10	October 23, 2023	October 27, 2023	Archimedes Principle	November 3, 2023 – 1:10PM
Week 11	October 30, 2023	November 3, 2023	Specific Heat of Solids	November 17, 2023 – 1:10PM
Week 12	November 6, 2023	November 10, 2023	Thermal Expansion <b>Veteran's Day Complete Online</b>	November 17, 2023 – 1:10PM
Week 13	November 13, 2023	November 17, 2023	Resonance in Air Columns	December 1, 2023 – 1:10PM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Weekend	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

**Course: PHYS 023-07 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	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Office	Room 203, MW 5PM-6PM

Lab Instructor	Millicent Cosmas
Email	<a href="mailto:millicentcosm@gmail.com">millicentcosm@gmail.com</a>

**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: Wednesdays 5:10pm**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Measurements	September 6, 2023 – 5:10PM
Week 3	September 4, 2023	September 8, 2023	Force Table	September 13, 2023 – 5:10PM
Week 4	September 11, 2023	September 15, 2023	Rectilinear Motion	September 20, 2023 – 5:10PM
Week 5	September 18, 2023	September 22, 2023	Atwood's Machine	September 27, 2023 – 5:10PM
Week 6	September 25, 2023	September 29, 2023	Ballistic Pendulum	October 4, 2023 – 5:10PM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person or Online exam
Week 8	October 9, 2023	October 13, 2023	Rotation and Torque	October 18, 2023 – 5:10PM
Week 9	October 16, 2023	October 20, 2023	Simple Harmonic Motion	October 25, 2023 – 5:10PM
Week 10	October 23, 2023	October 27, 2023	Archimedes Principle	November 1, 2023 – 5:10PM
Week 11	October 30, 2023	November 3, 2023	Specific Heat of Solids	November 8, 2023 – 5:10PM
Week 12	November 6, 2023	November 10, 2023	Thermal Expansion	November 15, 2023 – 5:10PM
Week 13	November 13, 2023	November 17, 2023	Resonance in Air Columns	November 29, 2023 – 5:10PM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Weekend	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

**Grade breakdown:** Lab reports 60% | Exams 40%

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

**Course: PHYS 024-01 Physics for Sci and Eng 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	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Office	Room 203, MW 5PM-6PM

Lab Instructor	Sahil Pradhan
Email	<a href="mailto:Sahil.Pradhan@bison.howard.edu">Sahil.Pradhan@bison.howard.edu</a>

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

Schedule (subject to change)

**Deadline for lab report: Tuesdays 3:10PM**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Electric Field	September 5, 2023 – 3:10PM
Week 3	September 4, 2023	September 8, 2023	Wheatstone Bridge	September 12, 2023 – 3:10PM
Week 4	September 11, 2023	September 15, 2023	Ohm's Law	September 19, 2023 – 3:10PM
Week 5	September 18, 2023	September 22, 2023	RC Circuits	September 26, 2023 – 3:10PM
Week 6	September 25, 2023	September 29, 2023	External Magnetic Field	October 3, 2023 – 3:10PM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Oscilloscope	October 17, 2023 – 3:10PM
Week 9	October 16, 2023	October 20, 2023	Ray Tracing	October 24, 2023 – 3:10PM
Week 10	October 23, 2023	October 27, 2023	Refraction	October 31, 2023 – 3:10PM
Week 11	October 30, 2023	November 3, 2023	Focal Length of Lenses	November 7, 2023 – 3:10PM
Week 12	November 6, 2023	November 10, 2023	Diffraction	November 14, 2023 – 3:10PM
Week 13	November 13, 2023	November 17, 2023	Atomic Spectra	November 28, 2023 – 3:10PM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Weekend	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

**Course: PHYS 024-02 Physics for Sci and Eng 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	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Office	Room 203, MW 5PM-6PM

Lab Instructor	Vishal Thakur
Email	<a href="mailto:Vishal.Thakur@bison.howard.edu">Vishal.Thakur@bison.howard.edu</a>

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

Schedule (subject to change)

**Deadline for lab report: Thursdays 3:10pm**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Electric Field	September 7, 2023 – 3:10PM
Week 3	September 4, 2023	September 8, 2023	Wheatstone Bridge	September 14, 2023 – 3:10PM
Week 4	September 11, 2023	September 15, 2023	Ohm's Law	September 21, 2023 – 3:10PM
Week 5	September 18, 2023	September 22, 2023	RC Circuits	September 28, 2023 – 3:10PM
Week 6	September 25, 2023	September 29, 2023	External Magnetic Field	October 5, 2023 – 3:10PM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Oscilloscope	October 19, 2023 – 3:10PM
Week 9	October 16, 2023	October 20, 2023	Ray Tracing	October 26, 2023 – 3:10PM
Week 10	October 23, 2023	October 27, 2023	Refraction	November 2, 2023 – 3:10PM
Week 11	October 30, 2023	November 3, 2023	Focal Length of Lenses	November 9, 2023 – 3:10PM
Week 12	November 6, 2023	November 10, 2023	Diffraction	November 16, 2023 – 3:10PM
Week 13	November 13, 2023	November 17, 2023	Atomic Spectra	November 30, 2023 – 3:10PM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Weekend	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

**Course: PHYS 024-03 Physics for Sci and Eng II (Laboratory)**

**Location: Room 304, Wednesday 11:10-1:00pm**

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

Course Instructor	Dr. Sidi Maiga
Email	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Office	Room 203, MW 5PM-6PM

Lab Instructor	Sahil Pradhan
Email	<a href="mailto:Sahil.Pradhan@bison.howard.edu">Sahil.Pradhan@bison.howard.edu</a>

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

Schedule (subject to change)

**Deadline for lab report: Wednesdays 11:10am**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Electric Field	September 6, 2023 – 11:10AM
Week 3	September 4, 2023	September 8, 2023	Wheatstone Bridge	September 13, 2023 – 11:10AM
Week 4	September 11, 2023	September 15, 2023	Ohm's Law	September 20, 2023 – 11:10AM
Week 5	September 18, 2023	September 22, 2023	RC Circuits	September 27, 2023 – 11:10AM
Week 6	September 25, 2023	September 29, 2023	External Magnetic Field	October 4, 2023 – 11:10AM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Oscilloscope	October 18, 2023 – 11:10AM
Week 9	October 16, 2023	October 20, 2023	Ray Tracing	October 25, 2023 – 11:10AM
Week 10	October 23, 2023	October 27, 2023	Refraction	November 1, 2023 – 11:10AM
Week 11	October 30, 2023	November 3, 2023	Focal Length of Lenses	November 8, 2023 – 11:10AM
Week 12	November 6, 2023	November 10, 2023	Diffraction	November 15, 2023 – 11:10AM
Week 13	November 13, 2023	November 17, 2023	Atomic Spectra	November 29, 2023 – 11:10AM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Weekend	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person or Online exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

**Course: PHYS 024-04 Physics for Sci and Eng II (Laboratory)**

**Location: Room 304, Monday 3:10-5:00pm**

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

Course Instructor	Dr. Sidi Maiga
Email	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Office	Room 203, MW 5PM-6PM

Lab Instructor	Emmanuel Yakubu
Email	<a href="mailto:emmanuel.yakubu@bison.howard.edu">emmanuel.yakubu@bison.howard.edu</a>

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

Schedule (subject to change)

**Deadline for lab report: Mondays 3:10pm**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Electric Field	September 11, 2023 – 3:10PM
Week 3	September 4, 2023	September 8, 2023	Wheatstone Bridge <b>Labor Day: Complete Online</b>	September 11, 2023 – 3:10PM
Week 4	September 11, 2023	September 15, 2023	Ohm's Law	September 18, 2023 – 3:10PM
Week 5	September 18, 2023	September 22, 2023	RC Circuits	September 25, 2023 – 3:10PM
Week 6	September 25, 2023	September 29, 2023	External Magnetic Field	October 2, 2023 – 3:10PM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person exam
Week 8	October 9, 2023	October 13, 2023	Oscilloscope <b>Mental Health Day: Complete Online</b>	October 16, 2023 – 3:10PM
Week 9	October 16, 2023	October 20, 2023	Ray Tracing	October 23, 2023 – 3:10PM
Week 10	October 23, 2023	October 27, 2023	Refraction	October 30, 2023 – 3:10PM
Week 11	October 30, 2023	November 3, 2023	Focal Length of Lenses	November 6, 2023 – 3:10PM
Week 12	November 6, 2023	November 10, 2023	Diffraction	November 13, 2023 – 3:10PM
Week 13	November 13, 2023	November 17, 2023	Atomic Spectra	November 27, 2023 – 3:10PM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Weekend	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person or Online exam

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

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

**Course: PHYS 024-05 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	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Office	Room 203, MW 5PM-6PM

Lab Instructor	Ravneet Kaur
Email	<a href="mailto:Ravneet.Kaur@bison.howard.edu">Ravneet.Kaur@bison.howard.edu</a>

**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: Thursdays 5:10pm**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Electric Field	September 7, 2023 – 5:10PM
Week 3	September 4, 2023	September 8, 2023	Wheatstone Bridge	September 14, 2023 – 5:10PM
Week 4	September 11, 2023	September 15, 2023	Ohm's Law	September 21, 2023 – 5:10PM
Week 5	September 18, 2023	September 22, 2023	RC Circuits	September 28, 2023 – 5:10PM
Week 6	September 25, 2023	September 29, 2023	External Magnetic Field	October 5, 2023 – 5:10PM
Week 7	October 2, 2023	October 6, 2023	Exam 1	In-person or Online exam
Week 8	October 9, 2023	October 13, 2023	Oscilloscope	October 19, 2023 – 5:10PM
Week 9	October 16, 2023	October 20, 2023	Ray Tracing	October 26, 2023 – 5:10PM
Week 10	October 23, 2023	October 27, 2023	Refraction	November 2, 2023 – 5:10PM
Week 11	October 30, 2023	November 3, 2023	Focal Length of Lenses	November 9, 2023 – 5:10PM
Week 12	November 6, 2023	November 10, 2023	Diffraction	November 16, 2023 – 5:10PM
Week 13	November 13, 2023	November 17, 2023	Atomic Spectra	November 30, 2023 – 5:10PM
Week 14	November 20, 2023	November 24, 2023	Thanksgiving Weekend	
Week 15	November 27, 2023	December 1, 2023	Exam 2	In-person or Online exam

**Grade breakdown:** Lab reports 60% | Exams 40%

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2023**

**Course: PHYS 025-01 Physics for Sci and Eng II (Laboratory)**

**ONLINE COURSE**

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

Course/Lab Instructor	Dr. Sidi Maiga
Email	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Office	Room 203, MW 5PM-6PM

Lab Instructor	Emmanuel Yakubu
Email	<a href="mailto:emmanuel.yakubu@bison.howard.edu">emmanuel.yakubu@bison.howard.edu</a>

**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 1:10pm**

Week #	Week Starts	Week Ends	Laboratory Name	Report Due Date
Week 1	August 21, 2023	August 25, 2023	Introduction	N/A
Week 2	August 28, 2023	September 1, 2023	Interferometry	September 7, 2023 – 1:10PM
Week 3	September 4, 2023	September 8, 2023	Index of Refraction	September 14, 2023 – 1:10PM
Week 4	September 11, 2023	September 15, 2023	Photoelectric Effect Lab#1	September 21, 2023 – 1:10PM
Week 5	September 18, 2023	September 22, 2023	Photoelectric Effect Lab#2	September 28, 2023 – 1:10PM
Week 6	September 25, 2023	September 29, 2023	Exam 1	In-person or Online exam
Week 7	October 2, 2023	October 6, 2023	Photoelectric Effect Lab#3	October 12, 2023 – 1:10PM
Week 8	October 9, 2023	October 13, 2023	Bragg Diffraction	October 19, 2023 – 1:10PM
Week 9	October 16, 2023	October 20, 2023	Double Slit Interference	October 26, 2023 – 1:10PM
Week 10	October 23, 2023	October 27, 2023	Mass-to-Charge Ratio	November 2, 2023 – 1:10PM
Week 11	October 30, 2023	November 3, 2023	Exam 2	In-person or Online exam

**Grade breakdown:** Lab reports 60% | Exams 40%