

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2021**

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

Course Instructor	Dr. Daniel Casimir
Email	<a href="mailto:Casimir.daniel@gmail.com">Casimir.daniel@gmail.com</a>
Virtual Office Hours	Monday 12-1PM Wednesday 12-1PM

Lab Instructor	Olasunbo Farinre
Email	<a href="mailto:Olasunbo.farinre@outlook.com">Olasunbo.farinre@outlook.com</a>
Virtual Office Hours	Thursday 2-4PM

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

Schedule (subject to change)

**Deadline for lab report: Tuesday 5pm**

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	August 23, 2021	August 27, 2021	Introduction	N/A
Week 2	August 30, 2021	September 3, 2021	Measurements	September 7, 2021 – 5PM
Week 3	September 6, 2021	September 10, 2021	Force Table	September 14, 2021 – 5PM
Week 4	September 13, 2021	September 17, 2021	Rectilinear Motion	September 21, 2021 – 5PM
Week 5	September 20, 2021	September 24, 2021	Atwood's Machine	September 28, 2021 – 5PM
Week 6	September 27, 2021	October 1, 2021	Ballistic Pendulum	October 5, 2021 – 5PM
Week 7	October 4, 2021	October 8, 2021	Rotation and Torque	October 12, 2021 – 5PM
Week 8	October 11, 2021	October 15, 2021	Simple Harmonic Motion	October 19, 2021 – 5PM
Week 9	October 18, 2021	October 22, 2021	Archimedes Principle	October 26, 2021 – 5PM
Week 10	October 25, 2021	October 29, 2021	Specific Heat of Solids	November 2, 2021 – 5PM
Week 11	November 1, 2021	November 5, 2021	Thermals Expansion	November 9, 2021 – 5PM
Week 12	November 8, 2021	November 12, 2021	Resonance in Air Columns	November 16, 2021 – 5PM

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2021**

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

Course Instructor	Dr. Daniel Casimir
Email	<a href="mailto:Casimir.daniel@gmail.com">Casimir.daniel@gmail.com</a>
Virtual Office Hours	Monday 12-1PM Wednesday 12-1PM

Lab Instructor	Olasunbo Farinre
Email	<a href="mailto:Olasunbo.farinre@outlook.com">Olasunbo.farinre@outlook.com</a>
Virtual Office Hours	Thursday 2-4PM

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

Schedule (subject to change)

**Deadline for lab report: Thursday 5pm**

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	August 23, 2021	August 27, 2021	Introduction	N/A
Week 2	August 30, 2021	September 3, 2021	Measurements	September 9, 2021 – 5PM
Week 3	September 6, 2021	September 10, 2021	Force Table	September 16, 2021 – 5PM
Week 4	September 13, 2021	September 17, 2021	Rectilinear Motion	September 23, 2021 – 5PM
Week 5	September 20, 2021	September 24, 2021	Atwood's Machine	September 30, 2021 – 5PM
Week 6	September 27, 2021	October 1, 2021	Ballistic Pendulum	October 7, 2021 – 5PM
Week 7	October 4, 2021	October 8, 2021	Rotation and Torque	October 14, 2021 – 5PM
Week 8	October 11, 2021	October 15, 2021	Simple Harmonic Motion	October 21, 2021 – 5PM
Week 9	October 18, 2021	October 22, 2021	Archimedes Principle	October 28, 2021 – 5PM
Week 10	October 25, 2021	October 29, 2021	Specific Heat of Solids	November 4, 2021 – 5PM
Week 11	November 1, 2021	November 5, 2021	Thermals Expansion	November 11, 2021 – 5PM
Week 12	November 8, 2021	November 12, 2021	Resonance in Air Columns	November 18, 2021 – 5PM

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2021**

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

Course Instructor	Dr. Daniel Casimir
Email	<a href="mailto:Casimir.daniel@gmail.com">Casimir.daniel@gmail.com</a>
Virtual Office Hours	Monday 12-1PM Wednesday 12-1PM

Lab Instructor	Millicent Cosmas
Email	<a href="mailto:milicentcosm@gmail.com">milicentcosm@gmail.com</a>
Virtual Office Hours	Tuesday 12-1PM Thursday 12-1PM

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

Schedule (subject to change)

**Deadline for lab report: Thursday 12PM**

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	August 23, 2021	August 27, 2021	Introduction	N/A
Week 2	August 30, 2021	September 3, 2021	Measurements	September 9, 2021 – 12PM
Week 3	September 6, 2021	September 10, 2021	Force Table	September 16, 2021 – 12PM
Week 4	September 13, 2021	September 17, 2021	Rectilinear Motion	September 23, 2021 – 12PM
Week 5	September 20, 2021	September 24, 2021	Atwood's Machine	September 30, 2021 – 12PM
Week 6	September 27, 2021	October 1, 2021	Ballistic Pendulum	October 7, 2021 – 12PM
Week 7	October 4, 2021	October 8, 2021	Rotation and Torque	October 14, 2021 – 12PM
Week 8	October 11, 2021	October 15, 2021	Simple Harmonic Motion	October 21, 2021 – 12PM
Week 9	October 18, 2021	October 22, 2021	Archimedes Principle	October 28, 2021 – 12PM
Week 10	October 25, 2021	October 29, 2021	Specific Heat of Solids	November 4, 2021 – 12PM
Week 11	November 1, 2021	November 5, 2021	Thermals Expansion	November 11, 2021 – 12PM
Week 12	November 8, 2021	November 12, 2021	Resonance in Air Columns	November 18, 2021 – 12PM

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2021**

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

Course Instructor	Dr. Daniel Casimir
Email	<a href="mailto:Casimir.daniel@gmail.com">Casimir.daniel@gmail.com</a>
Virtual Office Hours	Monday 12-1PM Wednesday 12-1PM

Lab Instructor	Millicent Cosmas
Email	<a href="mailto:millicentcosm@gmail.com">millicentcosm@gmail.com</a>
Virtual Office Hours	Tuesday 12-1PM Thursday 12-1PM

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

Schedule (subject to change)

**Deadline for lab report: Tuesday 12PM**

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	August 23, 2021	August 27, 2021	Introduction	N/A
Week 2	August 30, 2021	September 3, 2021	Measurements	September 7, 2021 – 12PM
Week 3	September 6, 2021	September 10, 2021	Force Table	September 14, 2021 – 12PM
Week 4	September 13, 2021	September 17, 2021	Rectilinear Motion	September 21, 2021 – 12PM
Week 5	September 20, 2021	September 24, 2021	Atwood's Machine	September 28, 2021 – 12PM
Week 6	September 27, 2021	October 1, 2021	Ballistic Pendulum	October 5, 2021 – 12PM
Week 7	October 4, 2021	October 8, 2021	Rotation and Torque	October 12, 2021 – 12PM
Week 8	October 11, 2021	October 15, 2021	Simple Harmonic Motion	October 19, 2021 – 12PM
Week 9	October 18, 2021	October 22, 2021	Archimedes Principle	October 26, 2021 – 12PM
Week 10	October 25, 2021	October 29, 2021	Specific Heat of Solids	November 2, 2021 – 12PM
Week 11	November 1, 2021	November 5, 2021	Thermals Expansion	November 9, 2021 – 12PM
Week 12	November 8, 2021	November 12, 2021	Resonance in Air Columns	November 16, 2021 – 12PM

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2021**

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

Course Instructor	Dr. Sidi Maiga
Email	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Virtual Office Hours	Monday 5-6PM Wednesday 5-6PM

Lab Instructor	Emmanuel Yakubu
Email	<a href="mailto:eyakubu@kent.edu">eyakubu@kent.edu</a>
Virtual Office Hours	Tuesday 4-5PM Thursday 4-5PM

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

Schedule (subject to change)

**Deadline for lab report: Tuesday 8PM**

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	August 23, 2021	August 27, 2021	Introduction	N/A
Week 2	August 30, 2021	September 3, 2021	Measurements	September 7, 2021 – 8PM
Week 3	September 6, 2021	September 10, 2021	Force Table	September 14, 2021 – 8PM
Week 4	September 13, 2021	September 17, 2021	Rectilinear Motion	September 21, 2021 – 8PM
Week 5	September 20, 2021	September 24, 2021	Atwood's Machine	September 28, 2021 – 8PM
Week 6	September 27, 2021	October 1, 2021	Ballistic Pendulum	October 5, 2021 – 8PM
Week 7	October 4, 2021	October 8, 2021	Rotation and Torque	October 12, 2021 – 8PM
Week 8	October 11, 2021	October 15, 2021	Simple Harmonic Motion	October 19, 2021 – 8PM
Week 9	October 18, 2021	October 22, 2021	Archimedes Principle	October 26, 2021 – 8PM
Week 10	October 25, 2021	October 29, 2021	Specific Heat of Solids	November 2, 2021 – 8PM
Week 11	November 1, 2021	November 5, 2021	Thermals Expansion	November 9, 2021 – 8PM
Week 12	November 8, 2021	November 12, 2021	Resonance in Air Columns	November 16, 2021 – 8PM

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2021**

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

Course Instructor	Dr. Sidi Maiga
Email	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Virtual Office Hours	Monday 5-6PM Wednesday 5-6PM

Lab Instructor	Emmanuel Yakubu
Email	<a href="mailto:eyakubu@kent.edu">eyakubu@kent.edu</a>
Virtual Office Hours	Tuesday 4-5PM Thursday 4-5PM

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

Schedule (subject to change)

**Deadline for lab report: Thursday 8PM**

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	August 23, 2021	August 27, 2021	Introduction	N/A
Week 2	August 30, 2021	September 3, 2021	Measurements	September 9, 2021 – 8PM
Week 3	September 6, 2021	September 10, 2021	Force Table	September 16, 2021 – 8PM
Week 4	September 13, 2021	September 17, 2021	Rectilinear Motion	September 23, 2021 – 8PM
Week 5	September 20, 2021	September 24, 2021	Atwood's Machine	September 30, 2021 – 8PM
Week 6	September 27, 2021	October 1, 2021	Ballistic Pendulum	October 7, 2021 – 8PM
Week 7	October 4, 2021	October 8, 2021	Rotation and Torque	October 14, 2021 – 8PM
Week 8	October 11, 2021	October 15, 2021	Simple Harmonic Motion	October 21, 2021 – 8PM
Week 9	October 18, 2021	October 22, 2021	Archimedes Principle	October 28, 2021 – 8PM
Week 10	October 25, 2021	October 29, 2021	Specific Heat of Solids	November 4, 2021 – 8PM
Week 11	November 1, 2021	November 5, 2021	Thermals Expansion	November 11, 2021 – 8PM
Week 12	November 8, 2021	November 12, 2021	Resonance in Air Columns	November 18, 2021 – 8PM

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2021**

**Course: PHYS 001-07 General Physics I (Laboratory)**

Course Instructor	Dr. Daniel Casimir
Email	<a href="mailto:Casimir.daniel@gmail.com">Casimir.daniel@gmail.com</a>
Virtual Office Hours	Monday 12-1PM Wednesday 12-1PM

Lab Instructor	Aaron Conard
Email	<a href="mailto:aaron.conard@bison.howard.edu">aaron.conard@bison.howard.edu</a>
Virtual Office Hours	Tuesday 2-3PM Thursday 2-3PM

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

Schedule (subject to change)

**Deadline for lab report: Thursday 3PM**

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	August 23, 2021	August 27, 2021	Introduction	N/A
Week 2	August 30, 2021	September 3, 2021	Measurements	September 9, 2021 – 3PM
Week 3	September 6, 2021	September 10, 2021	Force Table	September 16, 2021 – 3PM
Week 4	September 13, 2021	September 17, 2021	Rectilinear Motion	September 23, 2021 – 3PM
Week 5	September 20, 2021	September 24, 2021	Atwood's Machine	September 30, 2021 – 3PM
Week 6	September 27, 2021	October 1, 2021	Ballistic Pendulum	October 7, 2021 – 3PM
Week 7	October 4, 2021	October 8, 2021	Rotation and Torque	October 14, 2021 – 3PM
Week 8	October 11, 2021	October 15, 2021	Simple Harmonic Motion	October 21, 2021 – 3PM
Week 9	October 18, 2021	October 22, 2021	Archimedes Principle	October 28, 2021 – 3PM
Week 10	October 25, 2021	October 29, 2021	Specific Heat of Solids	November 4, 2021 – 3PM
Week 11	November 1, 2021	November 5, 2021	Thermals Expansion	November 11, 2021 – 3PM
Week 12	November 8, 2021	November 12, 2021	Resonance in Air Columns	November 18, 2021 – 3PM

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2021**

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

Course Instructor	Dr. Daniel Casimir
Email	<a href="mailto:Casimir.daniel@gmail.com">Casimir.daniel@gmail.com</a>
Virtual Office Hours	Monday 12-1PM Wednesday 12-1PM

Lab Instructor	Yahya Alqahtani
Email	<a href="mailto:yahya.alqahtani@bison.howard.edu">yahya.alqahtani@bison.howard.edu</a>
Virtual Office Hours	Tuesday 12-2PM

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

Schedule (subject to change)

**Deadline for lab report: Thursday 12PM**

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	August 23, 2021	August 27, 2021	Introduction	N/A
Week 2	August 30, 2021	September 3, 2021	Electric Field	September 9, 2021 – 12PM
Week 3	September 6, 2021	September 10, 2021	Wheatstone Bridge	September 16, 2021 – 12PM
Week 4	September 13, 2021	September 17, 2021	Ohm's Law	September 23, 2021 – 12PM
Week 5	September 20, 2021	September 24, 2021	RC Circuits	September 30, 2021 – 12PM
Week 6	September 27, 2021	October 1, 2021	External Magnetic Field	October 7, 2021 – 12PM
Week 7	October 4, 2021	October 8, 2021	Oscilloscope	October 14, 2021 – 12PM
Week 8	October 11, 2021	October 15, 2021	Ray Tracing	October 21, 2021 – 12PM
Week 9	October 18, 2021	October 22, 2021	Refraction	October 28, 2021 – 12PM
Week 10	October 25, 2021	October 29, 2021	Focal Length of Lenses	November 4, 2021 – 12PM
Week 11	November 1, 2021	November 5, 2021	Diffraction	November 11, 2021 – 12PM
Week 12	November 8, 2021	November 12, 2021	Atomic Spectra	November 18, 2021 – 12PM



**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2021**

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

Course Instructor	Dr. Daniel Casimir
Email	<a href="mailto:Casimir.daniel@gmail.com">Casimir.daniel@gmail.com</a>
Virtual Office Hours	Monday 12-1PM Wednesday 12-1PM

Lab Instructor	Yahya Alqahtani
Email	<a href="mailto:yahya.alqahtani@bison.howard.edu">yahya.alqahtani@bison.howard.edu</a>
Virtual Office Hours	Tuesday 12-2PM

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

Schedule (subject to change)

**Deadline for lab report: Tuesday 12PM**

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	August 23, 2021	August 27, 2021	Introduction	N/A
Week 2	August 30, 2021	September 3, 2021	Electric Field	September 7, 2021 – 12PM
Week 3	September 6, 2021	September 10, 2021	Wheatstone Bridge	September 14, 2021 – 12PM
Week 4	September 13, 2021	September 17, 2021	Ohm's Law	September 21, 2021 – 12PM
Week 5	September 20, 2021	September 24, 2021	RC Circuits	September 28, 2021 – 12PM
Week 6	September 27, 2021	October 1, 2021	External Magnetic Field	October 5, 2021 – 12PM
Week 7	October 4, 2021	October 8, 2021	Oscilloscope	October 12, 2021 – 12PM
Week 8	October 11, 2021	October 15, 2021	Ray Tracing	October 19, 2021 – 12PM
Week 9	October 18, 2021	October 22, 2021	Refraction	October 26, 2021 – 12PM
Week 10	October 25, 2021	October 29, 2021	Focal Length of Lenses	November 2, 2021 – 12PM
Week 11	November 1, 2021	November 5, 2021	Diffraction	November 9, 2021 – 12PM
Week 12	November 8, 2021	November 12, 2021	Atomic Spectra	November 16, 2021 – 12PM

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2021**

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

Course Instructor	Dr. Sidi Maiga
Email	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Virtual Office Hours	Monday 5-6PM Wednesday 5-6PM

Lab Instructor	Courtney McIntosh
Email	<a href="mailto:courtney.mcintosh@bison.howard.edu">courtney.mcintosh@bison.howard.edu</a>
Virtual Office Hours	Tuesday 1-2PM Thursday 1-2PM

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

Schedule (subject to change)

**Deadline for lab report: Friday 5PM**

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	August 23, 2021	August 27, 2021	Introduction	N/A
Week 2	August 30, 2021	September 3, 2021	Measurements	September 10, 2021 – 5PM
Week 3	September 6, 2021	September 10, 2021	Force Table	September 17, 2021 – 5PM
Week 4	September 13, 2021	September 17, 2021	Rectilinear Motion	September 24, 2021 – 5PM
Week 5	September 20, 2021	September 24, 2021	Atwood's Machine	October 1, 2021 – 5PM
Week 6	September 27, 2021	October 1, 2021	Ballistic Pendulum	October 8, 2021 – 5PM
Week 7	October 4, 2021	October 8, 2021	Rotation and Torque	October 15, 2021 – 5PM
Week 8	October 11, 2021	October 15, 2021	Simple Harmonic Motion	October 22, 2021 – 5PM
Week 9	October 18, 2021	October 22, 2021	Archimedes Principle	October 29, 2021 – 5PM
Week 10	October 25, 2021	October 29, 2021	Specific Heat of Solids	November 5, 2021 – 5PM
Week 11	November 1, 2021	November 5, 2021	Thermals Expansion	November 12, 2021 – 5PM
Week 12	November 8, 2021	November 12, 2021	Resonance in Air Columns	November 19, 2021 – 5PM

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2021**

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

Course Instructor	Dr. Sidi Maiga
Email	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Virtual Office Hours	Monday 5-6PM Wednesday 5-6PM

Lab Instructor	Courtney McIntosh
Email	<a href="mailto:courtney.mcintosh@bison.howard.edu">courtney.mcintosh@bison.howard.edu</a>
Virtual Office Hours	Tuesday 1-2PM Thursday 1-2PM

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

Schedule (subject to change)

**Deadline for lab report: Wednesday 3PM**

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	August 23, 2021	August 27, 2021	Introduction	N/A
Week 2	August 30, 2021	September 3, 2021	Measurements	September 8, 2021 – 3PM
Week 3	September 6, 2021	September 10, 2021	Force Table	September 15, 2021 – 3PM
Week 4	September 13, 2021	September 17, 2021	Rectilinear Motion	September 22, 2021 – 3PM
Week 5	September 20, 2021	September 24, 2021	Atwood's Machine	September 29, 2021 – 3PM
Week 6	September 27, 2021	October 1, 2021	Ballistic Pendulum	October 6, 2021 – 3PM
Week 7	October 4, 2021	October 8, 2021	Rotation and Torque	October 13, 2021 – 3PM
Week 8	October 11, 2021	October 15, 2021	Simple Harmonic Motion	October 20, 2021 – 3PM
Week 9	October 18, 2021	October 22, 2021	Archimedes Principle	October 27, 2021 – 3PM
Week 10	October 25, 2021	October 29, 2021	Specific Heat of Solids	November 3, 2021 – 3PM
Week 11	November 1, 2021	November 5, 2021	Thermals Expansion	November 10, 2021 – 3PM
Week 12	November 8, 2021	November 12, 2021	Resonance in Air Columns	November 17, 2021 – 3PM

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2021**

**Course: PHYS 023-03 Physics for Sci and Eng I (Laboratory)**

Course Instructor	Dr. Sidi Maiga
Email	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Virtual Office Hours	Monday 5-6PM Wednesday 5-6PM

Lab Instructor	Aaron Conard
Email	<a href="mailto:aaron.conard@bison.howard.edu">aaron.conard@bison.howard.edu</a>
Virtual Office Hours	Tuesday 2-3PM Thursday 2-3PM

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

Schedule (subject to change)

**Deadline for lab report: Tuesday 3PM**

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	August 23, 2021	August 27, 2021	Introduction	N/A
Week 2	August 30, 2021	September 3, 2021	Measurements	September 7, 2021 – 3PM
Week 3	September 6, 2021	September 10, 2021	Force Table	September 14, 2021 – 3PM
Week 4	September 13, 2021	September 17, 2021	Rectilinear Motion	September 21, 2021 – 3PM
Week 5	September 20, 2021	September 24, 2021	Atwood's Machine	September 28, 2021 – 3PM
Week 6	September 27, 2021	October 1, 2021	Ballistic Pendulum	October 5, 2021 – 3PM
Week 7	October 4, 2021	October 8, 2021	Rotation and Torque	October 12, 2021 – 3PM
Week 8	October 11, 2021	October 15, 2021	Simple Harmonic Motion	October 19, 2021 – 3PM
Week 9	October 18, 2021	October 22, 2021	Archimedes Principle	October 26, 2021 – 3PM
Week 10	October 25, 2021	October 29, 2021	Specific Heat of Solids	November 2, 2021 – 3PM
Week 11	November 1, 2021	November 5, 2021	Thermals Expansion	November 9, 2021 – 3PM
Week 12	November 8, 2021	November 12, 2021	Resonance in Air Columns	November 16, 2021 – 3PM

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2021**

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

Course Instructor	Dr. Sidi Maiga
Email	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Virtual Office Hours	Monday 5-6PM Wednesday 5-6PM

Lab Instructor	Gadeer Alqasseri
Email	<a href="mailto:gadeer.alqasseri@bison.howard.edu">gadeer.alqasseri@bison.howard.edu</a>
Virtual Office Hours	Monday 12-2PM

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

Schedule (subject to change)

**Deadline for lab report: Tuesday 5PM**

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	August 23, 2021	August 27, 2021	Introduction	N/A
Week 2	August 30, 2021	September 3, 2021	Electric Field	September 7, 2021 – 5PM
Week 3	September 6, 2021	September 10, 2021	Wheatstone Bridge	September 14, 2021 – 5PM
Week 4	September 13, 2021	September 17, 2021	Ohm's Law	September 21, 2021 – 5PM
Week 5	September 20, 2021	September 24, 2021	RC Circuits	September 28, 2021 – 5PM
Week 6	September 27, 2021	October 1, 2021	External Magnetic Field	October 5, 2021 – 5PM
Week 7	October 4, 2021	October 8, 2021	Oscilloscope	October 12, 2021 – 5PM
Week 8	October 11, 2021	October 15, 2021	Ray Tracing	October 19, 2021 – 5PM
Week 9	October 18, 2021	October 22, 2021	Refraction	October 26, 2021 – 5PM
Week 10	October 25, 2021	October 29, 2021	Focal Length of Lenses	November 2, 2021 – 5PM
Week 11	November 1, 2021	November 5, 2021	Diffraction	November 9, 2021 – 5PM
Week 12	November 8, 2021	November 12, 2021	Atomic Spectra	November 16, 2021 – 5PM

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2021**

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

Course Instructor	Dr. Sidi Maiga
Email	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Virtual Office Hours	Monday 5-6PM Wednesday 5-6PM

Lab Instructor	Gadeer Alqasseri
Email	<a href="mailto:gadeer.alqasseri@bison.howard.edu">gadeer.alqasseri@bison.howard.edu</a>
Virtual Office Hours	Monday 12-2PM

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

Schedule (subject to change)

**Deadline for lab report: Thursday 5PM**

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	August 23, 2021	August 27, 2021	Introduction	N/A
Week 2	August 30, 2021	September 3, 2021	Electric Field	September 9, 2021 – 5PM
Week 3	September 6, 2021	September 10, 2021	Wheatstone Bridge	September 16, 2021 – 5PM
Week 4	September 13, 2021	September 17, 2021	Ohm's Law	September 23, 2021 – 5PM
Week 5	September 20, 2021	September 24, 2021	RC Circuits	September 30, 2021 – 5PM
Week 6	September 27, 2021	October 1, 2021	External Magnetic Field	October 7, 2021 – 5PM
Week 7	October 4, 2021	October 8, 2021	Oscilloscope	October 14, 2021 – 5PM
Week 8	October 11, 2021	October 15, 2021	Ray Tracing	October 21, 2021 – 5PM
Week 9	October 18, 2021	October 22, 2021	Refraction	October 28, 2021 – 5PM
Week 10	October 25, 2021	October 29, 2021	Focal Length of Lenses	November 4, 2021 – 5PM
Week 11	November 1, 2021	November 5, 2021	Diffraction	November 11, 2021 – 5PM
Week 12	November 8, 2021	November 12, 2021	Atomic Spectra	November 18, 2021 – 5PM

**Howard University**  
**Department of Physics and Astronomy**  
**Fall 2021**

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

Course/Lab Instructor	Dr. Sidi Maiga
Email	<a href="mailto:sidi.maiga@howard.edu">sidi.maiga@howard.edu</a>
Virtual Office Hours	Monday 5-6PM Wednesday 5-6PM

Lab Instructor	Trey Jean-Baptiste
Email	<a href="mailto:trey.jeanbaptiste@gmail.com">trey.jeanbaptiste@gmail.com</a>
Virtual Office Hours	Tuesday 3-4PM Thursday 3-4PM

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

Schedule (subject to change)

**Deadline for lab report: Thursday 3PM**

Week #	Week Starts	Week Ends	Laboratory Name	Due Date
Week 1	August 23, 2021	August 27, 2021	Introduction	N/A
Week 2	August 30, 2021	September 3, 2021	Interferometry	September 9, 2021 – 3PM
Week 3	September 6, 2021	September 10, 2021	Index of Refraction	September 16, 2021 – 3PM
Week 4	September 13, 2021	September 17, 2021	Photoelectric Effect Lab#1	September 23, 2021 – 3PM
Week 5	September 20, 2021	September 24, 2021	Photoelectric Effect Lab#2	September 30, 2021 – 3PM
Week 6	September 27, 2021	October 1, 2021	Photoelectric Effect Lab#3	October 7, 2021 – 3PM
Week 7	October 4, 2021	October 8, 2021	Bragg Diffraction	October 14, 2021 – 3PM
Week 8	October 11, 2021	October 15, 2021	Double Slit Interference	October 21, 2021 – 3PM
Week 9	October 18, 2021	October 22, 2021	Mass-to-Charge Ratio	October 28, 2021 – 3PM