

**HOWARD UNIVERSITY
DEPARTMENT
OF
PHYSICS AND ASTRONOMY
FALL 2018 (Syllabus)**

COURSE: **Phys. 001-03
General Physics (Laboratory)**

Location /Time **TKH 305 / (R 10:10 AM - 12:00 noon)**

Lab Professor:	Raul Garcia-Sanchez (TKH Room 101)
Office Hours:	M.,W. 3:10 - 5:00 PM
Lab Instructor:	Ifeany Ifeduba
Office	TKH 408
Off. Hours:	
Phone:	202-806-6241
Email:	ifeanyii08@yahoo.com

Lab Manual: General Physics Laboratory Handbook, A description of Computer-Aided Experiments in General Physics, Venable et al. (1997)

Schedule (Tentative)

Dates	Experiments
08/23	Introduction
08/30	Measurements
09/06	Force Table
09/13	Rectilinear Motion
09/20	Atwood's Machine
09/27	Ballistic Pendulum
10/04	Exam 1
10/11	Simple Harmonic Motion
10/18	Rotation and Torque/Archimedes' Principle
10/25	Specific Heat of Solids
11/01	Thermal Expansion
11/08	Resonance of Air Columns
11/15	Exam 2
11/22	Thanksgiving Recess
11/29	Makeups

**HOWARD UNIVERSITY
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OF
PHYSICS AND ASTRONOMY
FALL 2018 (Syllabus)**

COURSE: **Phys. 001-04
General Physics (Laboratory)**

Location /Time **TKH 305 / (T 10:10 PM – 12:00 PM)**

Lab Professor:	Raul Garcia-Sanchez (TKH Room 101)
Office Hours:	M.,W. 3:10 - 5:00 PM
Lab Instructor:	Hawazin Alghamdi
Office	402
Off. Hours:	
Phone:	
Email:	hawazin.alghamdi@bison.howard.edu

Lab Manual: General Physics Laboratory Handbook, A description of Computer-Aided Experiments in General Physics, Venable et al. (1997)

Schedule (Tentative)

Dates	Experiments
08/21	Introduction
08/28	Measurements
09/04	Force Table
09/11	Rectilinear Motion
09/18	Atwood's Machine
09/25	Ballistic Pendulum
10/02	Exam 1
10/09	Simple Harmonic Motion
10/16	Rotation and Torque/Archimedes' Principle
10/23	Specific Heat of Solids
10/30	Thermal Expansion
11/06	Resonance of Air Columns
11/13	Exam 2
11/20	Thanksgiving Recess
11/27	Makeups

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OF
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FALL 2018 (Syllabus)**

COURSE: **Phys. 001-05
General Physics (Laboratory)**

Location /Time **TKH 305 / (R 3:10 PM - 5:00 PM)**

Lab Professor:	Raul Garcia-Sanchez (TKH Room 101)
Office Hours:	M.,W. 3:10 - 5:00 PM
Lab Instructor:	Hawazin Alghamdi
Office	402
Off. Hours:	
Phone:	
Email:	hawazin.alghamdi@bison.howard.edu

Lab Manual: General Physics Laboratory Handbook, A description of Computer-Aided Experiments in General Physics, Venable et al. (1997)

Schedule (Tentative)

Dates	Experiments
08/23	Introduction
08/30	Measurements
09/06	Force Table
09/13	Rectilinear Motion
09/20	Atwood's Machine
09/27	Ballistic Pendulum
10/04	Exam 1
10/11	Simple Harmonic Motion
10/18	Rotation and Torque/Archimedes' Principle
10/25	Specific Heat of Solids
11/01	Thermal Expansion
11/08	Resonance of Air Columns
11/15	Exam 2
11/22	Thanksgiving Recess
11/29	Makeups

**HOWARD UNIVERSITY
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OF
PHYSICS AND ASTRONOMY
FALL 2018 (Syllabus)**

COURSE: **Phys. 001-06
General Physics (Laboratory)**

Location /Time **TKH 305 / (T 3:10 PM – 5:00 PM)**

Lab Professor:	Raul Garcia-Sanchez (TKH Room 101)
Office Hours:	M.,W. 3:10 - 5:00 PM
Lab Instructor:	Yahya Alqahtani
Office	405
Off. Hours:	
Phone:	
Email:	Aburakaan40@gmail.com

Lab Manual: General Physics Laboratory Handbook, A description of Computer-Aided Experiments in General Physics, Venable et al. (1997)

Schedule (Tentative)

Dates	Experiments
08/21	Introduction
08/28	Measurements
09/04	Force Table
09/11	Rectilinear Motion
09/18	Atwood's Machine
09/25	Ballistic Pendulum
10/02	Exam 1
10/09	Simple Harmonic Motion
10/16	Rotation and Torque/Archimedes' Principle
10/23	Specific Heat of Solids
10/30	Thermal Expansion
11/06	Resonance of Air Columns
11/13	Exam 2
11/20	Thanksgiving Recess
11/27	Makeups