



PHY101 Introduction to Physics (With Lab)

A transcript for this course will be issued by the host university, Shanghai International Studies University.

Basic Information:

Instructor Name	TBA
E- Mail	
Office	
Office Hours	TBA, and by appointment

Course Description:

This course is an introduction to physics. It includes the study of motion and the causes of motion through the applications of fundamental principles of physics. By the end of this session, you should have a deeper understanding of the phenomena occurring in your surrounding physical world and will be more competent at measurement and quantitative reasoning concerning physical processes.

Required Course Materials:

Textbook	Edition	Author	Publisher	ISBN-10
College Physics	10th	Serway/Vuille	Brooks/Cole	1285737024

Course Hours:

The course has 19 class sessions, 5 lab sessions and a 5-hour field trip. Each class session is 160 minutes in length while each lab session is 120 minutes in length. The course normally meets from Monday to Friday. This course has a total of 79 contact hours including a final exam. Final exams are scheduled on July 29 and 30, 2019.

Prerequisite:

None

Course Schedule:

Week	Session	Day	Topic (s)	Chapter(s)	Homework
Week 1	July 2	T	School Orientation		
	July 3	W	Displacement, velocity, acceleration	2	Hwk 1
	July 4	TH	Motion with constant acceleration, vectors Motion in two Dimensions	2 and 3	Hwk 2&3
	July 5	F	Laws of Motion Friction Forces / Energy	4 and 5	Hwk 4&5
	July 5	F	Lab 1: Vectors; Velocity		
Week 2	July 8	M	Energy Conservation and Power	5	Hwk 6



	July 8	M	Lab 2: Circular Motion; Energy Conservation		
	July 9	T	Momentum Conservation	6	Hwk 7
	July 10	W	Momentum and Collisions	6	Hwk 8
	July 11	TH	Collisions and Rocket Propulsion	6	Hwk 9
	July 12	F	Rotational Motion	7	Hwk 10
Week 3	July 15	M	Law of Gravity	7	Hwk 11
	July 15	M	Lab 3: Conservation of Momentum		
	July 16	T	Rotational Equilibrium	8	Hwk 12
	July 17	W	Rotational Dynamics	8	Hwk 13
	July 18	TH	Rotational Kinetic Energy	8	Hwk 14
	July 19	F	Field Trip (5-Hour) Shanghai Museum Shanghai Museum is a large museum of ancient Chinese art. The Shanghai Museum boasts a collection of 140,000 precious relics, featuring bronzes, ceramics, paintings and calligraphy. The abundance and quality of the collection have enjoyed a high reputation both at home and abroad.		
	July 22	M	Solids Deformation, Density and Pressure	9	Hwk 15
	July 22	M	Lab 4: Billiards		
	July 23	T	Fluid Phenomena	9	Hwk 16
	July 24	W	Thermal Physics	10	Hwk 17
	July 25	TH	Thermal Processes	10	Hwk 18
	July 26	F	Vibrations, Waves and Sound	13 and 14	Hwk 19
	July 26	F	Lab 5: Archimedes' Principle		
	July 28	Sta	Reading Day		
Week 5	July 29	M	Final Exam		
	July 30	T	Final Exam		

Grading Policies:

Part	Percentage	Points
Lab Activities	20%	20
Homework (presentation)	20%	20
Exams	30%	30
Quizzes	30%	30
Course Total	100%	100



Grade Distribution:

Percentage	Letter Grade	Grade Points
100-90	A	4.0
80-89	B	3.0
70-79	C	2.0
60-69	D	1.0
59 or below	F	0.0

Academic Integrity

School expects honesty from students in presenting all of their academic work. Students are responsible for knowing and observing accepted principles of scholarly research and writing in all academic work.

Academic dishonesty or cheating includes acts of plagiarism, forgery, fabrication or misrepresentation, such as the following:

- claiming the work or thoughts of others as your own
- copying the writing of others into your written work without appropriate attribution
- writing papers for other students or allowing them to submit your work as their own
- buying papers and turning them in as your own
- having someone else write or create all or part of the content of your assignments
- submitting the same paper for more than one study or class without explicit permission from the faculty members

General Principles

This program is committed to principles of trust, accountability, clear expectations and consequences. It is also committed to redemptive efforts, which are meaningful only in light of these principles. Students will be granted due process and the opportunity for an appeal.

Academic dishonesty offenses generally are subject to incremental disciplinary actions. Some first offenses, however, receive severe penalties, including dismissal from the program.

General Disciplinary

The following is a non-comprehensive list of possible actions apart from dismissal from the program: warning from a professor, program director; a lower or failing grade on an assignment, test or course; suspension or dismissal from the course; suspension or dismissal from the program.

Disciplinary Actions for Specific Offenses

Some academic dishonesty offenses call for specific disciplinary actions. The following have been identified:

Falsification of documents: Students who falsify or present falsified documents may be dismissed. Prospective students who are discovered to have presented falsified admission documents prior to admission shall be denied admission to the program. Should it be discovered after admission that a student had presented falsified documents for admission, such admission may be annulled and the record of academic achievement removed from the academic record, with appropriate notations. Such annulments or denials may be reviewed after one year.



Dishonesty in course requirements: Course work (a quiz, assignment, report, mid-term examination, research paper, etc.) in which a student has been dishonest generally will receive zero points towards the grade in fulfillment of a course requirement, and/or the student may receive a failing grade for the course. The professor of the course determines the appropriate consequence.

Final assignment: When a student cheats in a major or final assignment such as a comprehensive examination or presents plagiarized material in a major or final assignment, that student shall receive an F in that particular subject. Student cheats on more than two exams shall be dismissed from this program.