

Syllabus P201 (General Physics I),

Textbook: Knight, Jones and Field, "College Physics", 3th edition, Pearson

Topics:

- Vector algebra and units
- Kinematics in one and two dimensions
- Newton's law of motion, forces
- Uniform circular motion
- Work and energy
- Impulse and momentum
- Rotational kinematics
- Rotational dynamics
- Oscillations and wave motion
- Interference phenomena

Exams and grading: There will be four exams, each of which contributes 20% to your overall score (total

80%). The laboratory sessions grade will account for the remaining 20%. In case your score in one of the

exams is lower than 75%, you will be allowed to complete a make-up exam. The score of this make-up

exam replaces the score of the regular exam, but cannot exceed 75%. Make-up exams can only be requested

for a total of two exams out of four. If you miss an exam due to an emergency, you will be allowed to take

the exam at a later time, provided you show appropriate documentation regarding the emergency (doctor's

note etc.). If you miss an exam for a non-emergency reason, the exam's score will be 0% and no make-up is

allowed.

Policy regarding sexual misconduct: What you should know about sexual misconduct: IU does not

tolerate acts of sexual misconduct, including sexual harassment and all forms of sexual violence. If you

have experienced sexual misconduct, or know someone who has, the University can help. It is important to

know that federal regulations and University policy require faculty to promptly report complaints of

potential sexual misconduct known to them to their campus Deputy Title IX Coordinator(s) to ensure that

appropriate measures are taken and resources are made available. The University will work with you to

protect your privacy by sharing information with only those that need to know to ensure the University can

respond and assist. If you are seeking help and would like to speak to someone confidentially, you can

make an appointment with a Mental Health Counselor on campus(contact information available

at <http://stopsexualviolence.iu.edu/employee/confidential.html>). Find more information about sexual

violence, including campus and community resources at <http://stopsexualviolence.iu.edu/>.

Disability policy: If you need assistance with a learning, physical or psychological disability that may affect

your academic progress, please contact the Disability Services Coordinator at 219-980-6943/Hawthorn Hall 235.

Schedule: The following is a tentative schedule that may vary during the semester. Please attend the classes if you want to know about any changes.

Week Date Book chapter Odd-numbered problems for practicing

1 Aug 24 1 1-70

Aug 26 1

2 Aug 31 2

Sep 2 2 1-75

3 Sep 7 No classes

Sep 9 3 1-81

4 Sep 14 3

Sep 16 **Exam #1**

5 Sep 21 4 1-71

Sep 23 4

6 Sep 28 5 1-79

Sep 30 5

7 Oct 5 6 1-79

Oct 7 6

8 Oct 12 **Exam #2**

Oct 14 7 1-77

9 Oct 19 7

Oct 21 8 1-65

10 Oct 26 8

Oct 28 9 1-81

11 Nov 2 9

Nov 4 **Exam #3**

12 Nov 9 10 1-89

Nov 11 10

13 Nov 16 14 1-73

Nov 18 14

14 Nov 30 15 1-81

Dec 2 15

15 Dec 7 16 1-73

Dec 9 16

- Dec 14 **Exam #4**