

## University of North Alabama

<u>PH 241</u>	General Physics I
<u>Credit</u>	Four semester hours
<u>Class Meetings</u>	Lecture, 3 times per week, MWF – 9:00 to 9:50 - FSB 213 Lab, once a week, M – 3:00 to 4:50 – FSB 319
<u>Textbook</u>	Essentials of <u>College Physics</u> , Serway/Vuille
<u>Instructor</u>	Dr. Valeriy K. Dolmatov
<u>Office</u>	FSB 215

Office Hours

M	8am – 9am; 10am-11am; 1pm-2pm.
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W	8am - 9am; 10am–11am; 3pm-4pm.
TR	10am-12pm.
F	8am-9am; 10am-11am.

<u>Telephone</u>	765-4320
<u>e-mail</u>	<a href="mailto:vkdolmatov@una.edu">vkdolmatov@una.edu</a>

<u>Course Description</u>	A basic physics course covering mechanics and vibrations and waves motion. Designed for students in premedical, pre dental, prepharmacy, and other programs not requiring calculus-based physics. Not applicable for credit toward major or minor requirements in physics or in curricula specifically requiring PH 251 and 252. Three class periods; one 2-hour laboratory period per week.
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Prerequisites:	MA 101; 103 or 151.
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<u>Course Grading</u>	The list of exercises, along with each exercise's contribution to the final grade, is listed below.
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Homework:.....	10%
Laboratory..... (you can drop the lowest grade)	25%
4 Intermediate Exams..	40%
Comprehensive Final...	25%

The numerical grade for the semester, obtained using the percentage components listed above, will then be converted to a letter grade for the course according to the following table:

100-90	.....	A
89-80	.....	B
79-70	.....	C
69-55	.....	D
<55	.....	F

### Course Policies

#### Class Attendance:

Students are expected to attend all class meetings and to have read and worked on assigned material being discussed that day beforehand in order to succeed in this class. Attendance records will be kept. UNA maintains an attendance policy that is outlined in the school catalog. From this policy, if a student misses more than 12 class periods, final grade of “F” will be assigned. Furthermore, one letter grade will be deducted from the student’s final grade when the individual misses (for any reason) more than six class meetings. Two late arrivals to class will count as one absence.

Lectures: During a formal lecture, the instructor presents a monologue on the assigned subject.

Problem solving: A considerable number of class-hours are planned for training the student to solve physics problems, to help the student to understand theoretical physics concepts deeper.

Labs: To solidify the understanding of physics concepts, the course includes a number of labs to let the student verify the learned concepts by performing experimental investigations.

Exams: There will be 4 intermediate exams during the semester, and the final exam, as scheduled. You will have to solve typically 3 to 4 problems to demonstrate your knowledge and understanding of physics concepts in combination with your ability to apply them to solve a problem.

Homework: Homework will be assigned via the textbook or via the WWW assignments. Homework assignments are due as scheduled. It is extremely important that the student does his/her homework diligently and in due time, because many of physics problems on intermediate exams and on the final exam will be similar to those from homework assignments.

Office hours: You are WELCOMED, ENCOURAGED and EXPECTED to visit me in my office during my office hours to ask any questions related to the physics course as well as

to request the help in solving a problem from any particular homework assignment. Please, come!

Make-ups: Make-ups of missing activities will not be given except in extraordinary cases. Prior arrangement is required.

Academic integrity:

The instructor assumes absolutely the academic integrity of students. However, any student found cheating on an exam will be assigned a final grade of “F” for the course.

ADA policy:

It is the policy of UNA to afford equal opportunity in education to qualified students. Therefore, a student who has a disability that inhibits the student’s ability to meet course requirements and who desires accommodations must contact the instructor and Developmental Services within three class meetings of the semester. The goal is to develop a timely accommodation plan and to file an Americans with Disabilities Act (ADA) Accommodation form. Course requirements will not be waived, but accommodations will be made to allow each student to meet those requirements, provided the student acts within the first three class meetings to work with the instructor to develop an accommodation plan. If the disability is identified later in the semester, a non-retroactive plan will be developed at that time.