

## PHYSICS 218 FALL 2009

Instructor : Dr. Alexey Belyanin

Office: 509 ENPO

Phone: 845 7785 (office)

E-mail: [belyanin@tamu.edu](mailto:belyanin@tamu.edu)

Homepage: <http://faculty.physics.tamu.edu/belyanin/P218/P218.htm>

Office hours: Tuesday, Thursday 10:00 a.m. - 12:00 p.m. or by appointment

Textbook: "Don't Panic: Volume I", by William H. Bassichis, 5th Edition

### Tentative Schedule

Aug. 31	Calculus
Sept. 7	One Dimensional Motion
Sept. 14	Vectors and Two Dimensional Motion
Sept. 21	Newton's Laws
Sept. 28	The Second Law, EXAM I
Oct. 5	Work and the Work Energy Theorem
Oct. 12	Potential Energy Functions
Oct. 19	Conservation of Energy
Oct. 26	Conservation of Momentum , EXAM II
Nov. 2	Polar Coordinates, Circular Motion
Nov. 9	Torque and Angular Momentum
Nov. 16	Conservation of Angular Momentum
Nov. 23	EXAM III
Nov. 30	Harmonic Motion
Dec. 7	Frames of Reference, Review
Dec. 11-16	FINAL EXAM Date TBA

## COURSE POLICIES

- 1) It is your responsibility to determine what material is being covered each class and the dates of all exams
- 2) Team work is encouraged outside of class but not on exams
- 3) You should expect a quiz each class
- 4) No calculators or notes are permitted on exams
- 5) Makeup exams are only for University excused absences
- 6) You should come to lecture having read about the topic and tried problems
- 7) You should come to recitation with questions on problems
- 8) You should read the lab manual before each lab

We will use CPS clickers for various kinds of assessment: pop quizzes, homework quizzes, in class discussion, etc. You will need to buy the clickers at the MSC Bookstore and register them for this class at [elearning.tamu.edu](http://elearning.tamu.edu).

Grading: Mid-term exams 45%, Lab 5%, Quizzes (including homework quizzes) 10%, Final exam 40%

You must pass both the lecture (3 midterm exams, final exam, quizzes) and laboratory (>70%) parts of the course separately in order to pass the course. If your grade on the final exam is higher than your lowest grade on one of the three exams during the semester, the grade on the Final will replace that one lowest exam grade in computing the course grade (it will only replace one grade in case of two exams having the same lowest grade). The final exam grade cannot be used to replace an exam that has been missed without a University excused absence. The missed exam will count as a zero when computing your final grade. Very few conditions qualify as an authorized excused absence, so please avoid missing an exam.

---

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities, in Room B118 of Cain Hall, or call 979-845-1637.

Aggie Honor Code

*“An Aggie does not lie, cheat, or steal or tolerate those who do.”* (See the Honor Council Rules and Procedures on the web at <http://www.tamu.edu/aggiehonor>.)