

PHYSICS 201 — SYLLABUS

SUMMER 2008

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| LECTURES: | MWF 10:00 AM – 11:25 AM (HELD 113) | |
| INSTRUCTORS: | Dr. Michael B. Weimer / Dr. Joseph H. Ross | |
| EMAIL: | weimer@physics.tamu.edu / ross@physics.tamu.edu | |
| PHONE: | 845-7815 (ENPH B01) / 845-3842 (ENPH 422) | |
| OFFICE HOURS: | R 3:00 – 5:00 PM (ENPH 405) | |
| TEXTBOOK: | <i>COLLEGE PHYSICS — VOLUME ONE, 8TH EDITION</i> , Young & Geller | |
| WEB PAGE: | http://stmlab.tamu.edu/PHYS201/ | |
| EVALUATION: | Midterm Examinations (4) | 60% |
| | Comprehensive Final | 15% |
| | Homework | 15% |
| | Laboratory | 10% |

Academic Integrity Statement

“An Aggie does not lie, cheat, or steal, or tolerate those who do.” See <http://www.tamu.edu/aggiehonor/>

ADA Statement

The Americans with Disabilities Act (ADA) is a federal antidiscrimination 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, Service for Students with Disabilities in Cain Hall, Room B118, or call 845-1637.

COURSE OUTLINE:

| WEEK | DATE | TOPIC | TEXT |
|------|----------|-------------------------------|---------------------------|
| 1 | May 28 W | Units / Coordinates / Vectors | 1.1 – 1.6, 1.7 – 1.8 |
| | May 30 F | Kinematics | 2.1 – 2.6 |
| 2 | Jun 02 M | Kinematics | 3.1 – 3.3, 3.5 |
| | Jun 04 W | Newton's Laws | 4.1 – 4.3 |
| | Jun 06 F | Newton's Laws | 4.4, 4.6, 5.4 |
| 3 | Jun 09 M | Newton's Laws | 4.5, 5.1 – 5.3 |
| | Jun 11 W | Circular Motion | 3.4, 6.1 – 6.5 |
| | Jun 13 F | EXAM I | CHAPTERS 1 – 5 |
| 4 | Jun 16 M | Work / Energy | 7.1 – 7.3 |
| | Jun 18 W | Work / Energy | 7.4 – 7.6 |
| | Jun 20 F | Work / Energy | 7.6 – 7.8 |
| 5 | Jun 23 M | Simple Harmonic Motion | 11.2 – 11.3, 11.5 |
| | Jun 25 W | Simple Harmonic Motion | 11.4 – 11.5 |
| | Jun 27 F | EXAM II | CHAPTERS 6 – 7, 11 |
| 6 | Jun 30 M | Linear Momentum / Collisions | 8.1 – 8.4 |
| | Jul 02 W | | |
| | Jul 04 F | | |
| 7 | Jul 07 M | Linear Momentum / Collisions | 8.6 – 8.7 |
| | Jul 09 W | Rotational Kinematics | 9.1 – 9.3 |
| | Jul 11 F | Rotational Energy | 9.4 – 9.5 |

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| 8 | Jul 14 M | Rotational Dynamics / Statics | 10.1 — 10.3, 10.6 |
| | Jul 16 W | Angular Momentum | 10.4 — 10.5, 10.7 |
| | Jul 18 F | EXAM III | CHAPTERS 8 – 10 |
| 9 | Jul 21 M | Mechanical Waves | 12.1 — 12.6 |
| | Jul 23 W | Fluid Statics / Sound | 13.1 — 13.3, 12.7, 12.10 |
| | Jul 25 F | Temperature / Heat | 14.1 — 14.6 |
| 10 | Jul 28 M | Thermodynamics | 15.1 — 15.3 |
| | Jul 30 W | Thermodynamics | 15.4 — 15.7 |
| | Aug 01 F | EXAM IV | CHAPTERS 12 – 15 |
| 11 | Aug 04 M | REVIEW | |
| | Aug 05 T | FINAL EXAM | 10:30 AM — 12:30 PM |