Instructor: Prof. Juyang Huang, Tel: 742-4780, E-mail: juyang.huang@ttu.edu
Lecture: MWF 12:00 - 12:50 PM in Science 204
Office Hours: MWF 1:00-1:50 PM, and by appointment, Science 35


Learning Outcomes: Students should be able to thoroughly understand the concepts and methods of classical dynamics at junior/senior level. Students are expected to be able to apply key principles to solving problems, both familiar and unfamiliar, in this area of physics.

Outcome assessment: The expected course outcomes will be assessed through homework and exams, as well as in-class discussion. The exams will provide a mixture of relatively familiar and unfamiliar problems, which will test the students’ abilities to apply reasoning and math skills based on the conceptual aspects of the material to their solution.

Course website (http://www.phys.ttu.edu/~huang24/Teaching/Phys4304): The site contains syllabus, homework assignment, announcements, and other important course information.

Physics/Math level: This is the standard junior-senior mechanics course for Physics and Engineering major. Differential equations and vectors calculus are assumed.

Homework: Problems will be assigned from the textbook and other sources. These will be collected and graded. Solving problems and working through derivations is the primary means of learning classical dynamics. You are expected to devote many hours outside of class for every hour in class. You may discuss homework assignments with your classmates or use resources available in the web for help, but you must turn in your own work. Homework is due in my office or mailbox no later than 4 PM on the due day. The penalty for late homework will be 10 points/day.

Examinations: All exams will be closed-book and will be given in-class. Evening exams will be arranged to give you more time to finish. The coverage and time will be announced.

Grading Policy: Homework 25%; four exams (drop the lowest one): 25% each.
100-86: A; 85-72: B; 71-58: C; 57-44: D

Attendance: You are expected to attend ALL lectures unless you have an emergency. The first non-emergency absence will be excused. However, any additional non-emergency absence will cost you 1% of your semester grade per absence.

Disability: Any student who, because of a disability, may require special arrangements in order to meet the course requirements should contact the instructor as soon as possible to make any necessary arrangements. Students should present appropriate verification from Student Disability Services during the instructor's office hours. Please note instructors are not allowed to provide classroom accommodations to a student until appropriate verification from Student Disability Services has been provided. For additional information, you may contact the Student Disability Services office in 335 West Hall or 806-742-2405.

Academic dishonesty will not be tolerated and will be treated according to the Student Handbook rules.