Syllabus for SCIE 3301 Physical Science

Wednesday 6:00-8:50 PM, Science Hall, room 226

Dr. R. Lopez, Science Hall room 008a, relopez@uta.edu, 817-272-0386 (office), 817-330-9729 (google voice – rings cell), Office hours – Wednesday, 5:00-6:00 PM, or by appointment

And

Melissa Gibbons (gibbons3@swbell.net)


This course will examine topics in three domains:

Motion: Description and Causes
Describing motion, Representing motion, Force and change in motion, Newton’s Laws

Applications of Newton’s Laws
Energy as force over distance, Momentum as force over time, Simple machines, Floating and sinking, Waves and optics

Electricity
Electric charge and current, Simple circuits, Magnetism and magnetic force

Grading:

Homework - 10%
Exams – 60% There will be 3 exams; your lowest exam will be dropped
Comprehensive final – 30%