PHYS 1403 outline Summer 2017

**Course Outline-** subject to modification, if needed

Week 1 May 29-June 4 Work due: Mon, June 5, noon CDT

About science

Newton’s First Law

Week 2 June 5- 11 Work due: Mon, June 12, noon CDT

Linear motion,

Newton’s Second Law

Newton’s Third law

*Start Moon observation*

Week 3 June 12 -18 Work due: Mon, June 19, noon CDT

Momentum

Energy

Simple Machines

Week 4 June 19 -25 Work due: Mon, June 26, noon CDT

Gravity

Projectile and Satellite Motion

Week 5 June 26- July 2 Work due: Mon, July 3, noon CDT

Solids

Liquids

Gases

Week 6 July 3- 9 Work due: Tues, July 10, noon CDT

*Midterm exam- proctored*

Temperature, Heat and expansion

Heat Transfer

Change of Phase

Week 7 July 10-16 Work due: Mon, July 17, noon CDT

Thermodynamics

Vibrations and Waves

Sound

Week 8 July 17-23 Work due: Mon, July 24, noon CDT

*Term paper due*

Electrostatics

Electric Current

Magnetism

Week 9 July 24-30 Work due: Mon, July 31, noon CDT

Electromagnetic Induction

Properties of Light

Color

Week 10 July 31- Aug 6 Work due: Mon, August 7, noon CDT

Reflection and Refraction

Light Waves

Light Emission

Week 11- Aug 7-12 *proctored final* Final due: Sat, August 12, midnight CDT

(final will be available during week 10 as well, to allow for scheduling problems)