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)