Week 1 – Introduction January 13, 2025

Jeffrey T. Walton, Ph.D.

- Currently Registrar and Director of Institutional Research at Paul Smith's College
- Education:
 - Ph.D. (Remote Sensing, Photogrammetry, and GPS Positioning SUNY-ESF)
 - M.S. Remote Sensing, Texas A & M
 - M.S. Aerospace Engineering, University of Texas
 - B.S. Aeronautical Engineering, Embry-Riddle Aeronautical University
- Professional Experience:
 - Researcher with USDA Forest Service use satellite imagery to map urban tree cover
 - Ascent Flight Design Engineer, Rockwell Space Operations Co., Houston, Texas

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- Orbital Mechanics background
 - Fundamentals of Astrodynamics
 - Perturbation Methods
 - Computational Methods in Astrodynamics
 - Hamiltonian Mechanics
 - Attitude Dynamics and Control
 - Celestial Mechanics I
 - Celestial Mechanics II
 - Theory of Orbits I
 - Theory of Orbits II
 - Determination of Time
 - Satellite Geodesy
 - Statistical Estimation (Statistical Orbit Determination)
 - Dynamical Astronomy
 - Applied Orbital Mechanics

Enough about me...

Introduce yourself:

- Name
- Program, Year
- What is your desired area of Aerospace Engineering?
- Why Orbital Mechanics?
- What other courses are you taking this semester?
- What is your plan after graduation?
- What is your computer programming experience?

- Contact info:
 - Office: 364? CAMP
 - Office Hours: prior to class, after class
 - Email: jwalton@clarkson.edu
- Review Syllabus
 - https://github.com/jeffwalton/AE470_Sp25