Instructor : Aaron Montgomery
Office : Samuelson 221 E
Office Hours : M @ 11am, T @ 1pm, Th @ 1pm & 3pm, and by appointment
Email : montgoaa@cwu.edu
Phone : 963-1906

Content

We will be covering topics associated with celestial and astrodynamics. The rough order of presentation is:

- Derivation of Kepler's Laws of Motion from Newton's Law of Gravitation.
- Escape Velocity
- Multistage Rocket Design
- Hohman Transfers
- Gravity Assist Acceleration
- Constant Acceleration Travel
- Lagrange Points and the Interplanetary Transfer Network

Grading

Grades will be based on homework (seven assigned, top 6 will count for 10 points each).

		$\geq 93\%$	A	$\geq 90\%$	A-
$\geq 87\%$	B+	$\geq 83\%$	B	$\geq 80\%$	B-
$\geq 77\%$	C+	$\geq 73\%$	C	$\geq 70\%$	C-
$\geq 67\%$	D+	$\geq 63\%$	D	$\geq 60\%$	D-

Accommodations

In compliance with RCW 28B.137.010, Central Washington University makess every effort to deal reasonably and fairly with students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. Students must present written notice to their instructor

within the first two weeks of class listing the specific dates on which accommodations are required. Contact the Dean of Student Success at (509) 963-1515 for further information or questions.

Central Washington University is committed to creating a learning environment that meets the needs of its diverse student body. Students with disabilities should contact Disability Services to discuss a range of options to removing barriers, including accommodations. Disability Services is located in Hogue 126. Call (509) 963-2214 or email `ds@cwu.edu` for more information.