

Fun Facts

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myslu.stlawu.edu/~aodo/SLU/astronomy/index.htm

TEXTS: **Pasachoff**: Peterson Field Guides: Stars and Planets,
Ryan: Cycles, **Raymo**: 365 Starry Nights, Raymo
OpenStax: <https://openstax.org/details/books/astronomy>
T-Drive: **T:/Astronomy/102**

SCIENCE

Science is simply a long and careful look beneath and beyond the world's skin. In the same field where I see only a muddle of anonymous green, Henry David Thoreau, scientist of Walden Pond, saw infinite variety: cotton grass, foxtail, life-everlasting, goldenrod, Saint Johnswort, mullein, meadowsweet. An astronomer sees a sky far richer than mine, filled with quasars and pulsars, galaxies and nebulae. In all that bickering at the bird feeder, an ornithologist sees pair bonds and pecking order. In that annoying rock dug out of the strawberry patch, a geologist sees grey granite left in the 10,000-year-old path of glaciers. This new depth of seeing has taken us from the beetles in our own back yards to the particles inside the atom and the gaseous glow at the end of the universe.

-- Rebecca Rupp

COURSE REQUIREMENTS:

- 1) **Attendance** - Attendance is required and will count as one exam.
 - **Classwork**- Class exercises completed & handed in during class period
 - 50% of attendance
- 2) **Papers** - **PERSONAL STAR** - research & fiction, worth one exam
- 3) **Observing** - Each will be explained at the time of assignment
 - CONSTELLATIONS - worth $\frac{1}{2}$ an exam
 - STAR-WATCHING - worth $\frac{1}{2}$ an exam
 - SUN-WATCHING - worth $\frac{1}{2}$ an exam
 - MOON-WATCHING - worth $\frac{1}{2}$ an exam
- 4) **Exams** - Three as scheduled in the calendar, part individual, part group work.
- 5) **Final** - Scheduled for 1:30 PM, Tuesday, December 8 on line.
 - **Cumulative** over all material from the semester (Yep, all of it!)
 - Worth **twice** as much as a regular exam

**YOU MUST COMPLETE THE
OBSERVING PROJECTS TO
PASS THE COURSE!!**

AN EXAM IS WORTH $1/9^{\text{TH}}$ OR 11.1% OF THE FINAL GRADE

THE FINAL GRADE WILL BE A SIMPLE AVERAGE OF ALL THE GRADES SCALED TO:

4.0	3.75	3.5	3.25	3.0	2.75	2.5	2.25	2.0	1.75	1.5	1.25	1.0	0.0
>94%	91-94	88-91	85-88	82-85	79-82	76-79	73-76	70-73	67-70	64-67	61-64	58-61	<58

with the instructor's subjective freedom for the treatment of borderline cases!