

# ASTRONOMY 105 - EXPLORING THE MOON - WINTER 2016

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Office Hours: W 10:30 - 11:30. Walk-ins welcome at any time.

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**Website:** [exlunascientia.org](http://exlunascientia.org)

**Text:** Will be announced in lecture.

**Why?:** The motivation for this class is pretty simple. For an astonishingly short period, a long time ago (July 1969 to December 1972) humans walked on another world. *Why did we do this, how did we do this, what did we learn, and why do we want to go back?*

**Prerequisites:** This class is designed to be an extension to the topics that are covered in Astronomy 150 (and to a much lesser extent, Astronomy 101). Astronomy 150 is not a prerequisite, but it would help. A strong interest in space can certainly make up for the missing Astro 150. There will be a little math in the class (more than in Astro 150), but nothing beyond simple algebra.

**Class Mailing List:** I will be using the class mailing list during class. Please make sure to monitor your [uw.edu](http://uw.edu) email account or set it to forward email to the account you usually read.

**W Credit:** There is a writing credit component available for this class. For the vast majority of you, this will be irrelevant. If you are interested in receiving W credit for this class, send me an email before Jan 8th.

**Class Work:** There will be weekly on-line lecture quizzes, four short (~ 30 minute) in-class exams, a few homeworks, and one short (~ 500 word) paper during the quarter. The dates for the short in-class quizzes are given below (all are on Fridays).

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|        |        |        |        |
|--------|--------|--------|--------|
| Jan 22 | Feb 05 | Feb 26 | Mar 11 |
|--------|--------|--------|--------|

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**Weekly Online Quizzes:** Every week there will be a required online quiz that is based on that week's lectures and readings. The quizzes will be of the short (~ 15 questions) multiple choice variety. The quiz will be available starting on Friday after lecture (11 am) and will only be available until the following Tuesday (Noon) . These quizzes are a required part of your grade. Missing a quiz will result in a zero for that quiz, no exceptions (all email excuses will be ignored). There are no make-ups for these online assignments, and no assignments will be dropped.

**WARNING:** Be very careful if you save the quiz to submit later, the answers may re-randomize. It is up to you to make sure your submitted answers are what you intended!

**Class Grade:** The class grade will be based on the in-class quizzes, the weekly on-line quizzes and homework. The distribution of points will be as follows:

|                       |     |
|-----------------------|-----|
| Weekly Online Quizzes | 30% |
| Homeworks             | 30% |
| In-Class Quizzes      | 40% |

The chart below is a very rough guide to the grading scale in this class. Each exam is individually curved, but the curve always looks, more or less, like the chart below.

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|           |           |           |           |
|-----------|-----------|-----------|-----------|
| 4.0 - 95% | 3.0 - 82% | 2.0 - 68% | 1.0 - 54% |
|-----------|-----------|-----------|-----------|

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**There is no extra credit possible in this class.** As this is a large introductory survey class, I am required to make all possible points available to all students.

### Preliminary Class Schedule

| Week | Mon     | Wed       | Fri           |
|------|---------|-----------|---------------|
| 1    | Why     | Physics   | Rockets       |
| 2    | Mode    | Moon Ages | Landing Sites |
| 3    | Holiday | Ap 8-10   | <b>Quiz 1</b> |
| 4    | Ap 11   | Ap 11     | Ap 11         |
| 5    | Ap 12   | Ap 12     | <b>Quiz 2</b> |
| 6    | Ap 13   | Ap 14     | Ap 14         |
| 7    | Holiday | Ap 15     | Ap 15         |
| 8    | Ap 16   | Ap 16     | <b>Quiz 3</b> |
| 9    | Ap 17   | Ap 17     | Post Apollo   |
| 10   | USSR    | Why Back? | <b>Quiz 4</b> |

