

## **Astronomy 111, 113 Checklist**

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The following skills are recommended for Astronomy 111 and 113 - Introductory Astronomy. Choose your textbook from the dropdown menu

Once you have chosen the textbook, click on the words “study plan”. Expand the Chapter + to see the individual sections. For each section below, start by watching the section video then proceed to exercises. If you need help with an exercise, you can click on the menu to the right of the exercise for help, to read the related section of the textbook, or to see additional examples.

Textbook: **Martin-Gay Basic College Mathematics, 3e**

- Chapter O - Orientation Questions for Students
- Chapter 1 – The Whole Numbers
  - Section 1.5 Rounding and Estimating
- Chapter 5 – Ratio and Proportion
  - Sections 5.1 - 5.4
- Chapter 8 – Geometry
  - Sections 8.1- 8.5 Lines and Angles, Perimeter, Area and Volume
- Chapter 11 – Introduction to Algebra
  - Sections 11.1 -11.5 Equations and Problem Solving

Textbook: **Blitzer Algebra & Trigonometry, 4e**

To open a new textbook: Click “My Courses”, then “Enroll in a new course”

- Chapter P – Prerequisites Fundamental Concepts of Algebra
  - P.2 Exponents and Scientific Notation
- Chapter 4 – Exponential and Log Functions
  - 4.1 Exponential Functions
  - 4.2 Logarithmic Functions
  - 4.3 Properties of Logarithms
  - 4.4 Exponential and Logarithmic Equations
  - 4.5 Exponential Growth and Decay
- Chapter 5 – Trigonometric Functions
  - 5.1 Angles and Radians
  - 5.2 Right Triangle Trigonometry
  - 5.8 Applications
- Chapter 10 – Conic Sections
  - 10.1 Ellipse
  - 10.2 Hyperbola