

## **EOS 121 Checklist**

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The following skills are recommended for EOS 121 –Dynamic Atmosphere and Hydrosphere. 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: **Akst: Basic Mathematics Through Applications, 4e**

- ☐ Chapter O - Orientation Questions for Students
- ☐ Chapter 5 – Ratio and Proportion
  - 5.1 Ratios
  - 5.2 Solving Proportions
- ☐ Chapter 9 – Algebra
  - 9.1, 9.2 Solving Equations
  - 9.3 Using Formulas
- ☐ Chapter 10 – Measurements and Units
  - 10.1 Customary Units
  - 10.2 Metric Units
- ☐ Chapter 11 – Basic Geometry
  - 11.1 Basic Geometry
  - 11.2 Perimeter and Circumference
  - 11.3 Area
  - 11.4 Volume
  - 11.5 Similar Triangles
  - 11.6 Pythagorean Theorem

Textbook: **Lial: College Algebra & Trigonometry, 4e**

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

- ☐ Chapter 5 – Trigonometric Functions
  - 5.1 Angles
  - 5.2 Trigonometric Functions
  - 5.3 Evaluating Trigonometric Functions
  - 5.4 Solving Right Triangles
- ☐ Chapter 8 – Applications Of Trigonometry
  - 8.1 Law of Sines
  - 8.2 Law of Cosines