

SCI101L

Quantitative Reasoning: Measurement and Skills Lab

This interdisciplinary science laboratory course will expose students to different science, technology, engineering, and mathematics (STEM) disciplines through a series of modules and projects centered on the common theme of measurement. **All projects require mastering basic quantitative skills, high-order reasoning, and the practical use of laboratory measurement tools.**

This course is also designed to **prepare students for upper level laboratory and research-based courses** by providing them with a foundation for understanding the scientific process and improving their scientific writing skills.

Students will work in teams to complete the following laboratory modules and projects:

Laboratory Modules

-  *Physics*
-  *Chemistry*
-  *Environmental Science*
-  *Mechanical Engineering*
-  *Biology*

Laboratory Projects

-  *Measurement Challenge*
-  *Final Project*



To register for this course, enroll in **SCI101L, Section 1 (course 7345; lecture)** and **Section 2 (course 7346; lab)**.

- Lab - **Tuesdays from 1:00 - 5:00 PM** in Meyerhoff Chemistry 201,
- Lecture - **Fridays from 1:00 PM to 1:50 PM** in Sherman Hall 011.

**If you have questions, contact Dr. Laura Ott
(leott@umbc.edu)**