Use the scientific method and appreciate its importance to the development of scientific thought.

**CAN Dept - Astronomy**

CAN ASTR 101    - Astronomy Laboratory

*Course Outcomes:*
* Data - Students will be able to accurately collect and analyze scientific data (Created By CAN Dept - Astronomy)
* Temperature and Spectra - Students will be able to identify changes in source temperature based on spectral shifts (Created By CAN Dept - Astronomy)

Document and communicate their work effectively.

**CAN Dept - Astronomy**

CAN ASTR 101    - Astronomy Laboratory

*Course Outcomes:*
* Communication and Reporting - Demonstrate scientific communication skills through clear, well-organized laboratory and project reports, as well as oral presentations (Created By CAN Dept - Astronomy)

Demonstrate critical thinking to analyze physical systems in terms of scientific concepts.

**CAN Dept - Astronomy**

CAN ASTR 100    - Introduction To Astronomy

*Course Outcomes:*
* Data Collection and Reporting - Demonstrate their astronomical skills and use of measurement tools through systematic collection, analysis, and reporting of data of solar elevation angle and length of daylight in a semester long project regarding the cause of the seasons (Created By CAN Dept - Astronomy)
* Stars - Students will be able to correctly identify different classes of stars based their position in an HR diagram and accurately describe the appropriate life-cycle stage of each type of star. (Created By CAN Dept - Astronomy)

CAN ASTR 101    - Astronomy Laboratory

*Course Outcomes:*
* Data - Students will be able to accurately collect and analyze scientific data (Created By CAN Dept - Astronomy)
* Solar System - Students will demonstrate an understanding of the size and scale of the solar system (Created By CAN Dept - Astronomy)
* Temperature and Spectra - Students will be able to identify changes in source temperature based on spectral shifts (Created By CAN Dept - Astronomy)