

## University of Houston-Downtown

**Course Prefix, Number, and Title:** UHD 2303 University Seminar–Life and Physical Sciences

**Component Area Option/Foundational Component Area:** Life and Physical Sciences

**Credits/Lecture/Lab Hours:** 3/3/0

**Prerequisites:** ENG 1301; sophomore standing or departmental approval

**Course Description:** Within the context of the discipline and the special topic, these courses introduce students to higher-level critical thinking about interactions among natural phenomena and the implications of scientific principles for the physical world and human experiences. These special topics courses focus on describing, explaining, and predicting natural phenomena using the scientific method. Written and oral communication within the context of the topic's related discipline are emphasized. These courses also provide opportunities for transfer students to link to their intended majors early in their academic careers at UHD. Strategies for academic success are practiced within the context of the special topic and discipline.

**Learning Outcomes:** Students will be able to:

- Utilize scientific processes to identify questions pertaining to natural phenomena
- Utilize scientific processes to develop hypotheses, collect and analyze data using quantitative and qualitative measures
- Utilize scientific processes to effectively communicate the analysis and results of analysis using written, oral, and visual communication
- Collaborate in the evaluation of the quality of scientific evidence from multiple perspectives toward the goal of reaching a shared objective
- Research and define academic and career goals within the sciences and develop learning strategies to support academic success and attainment of academic and career goals