

## ED 349: SCIENCE METHODS LAB: MS & SECONDARY

Through this course, students will integrate content with pedagogical practice for middle and secondary sciences outlined in national science teaching standards and the Virginia Standards of Learning in order to develop a foundation for teaching within the discipline. The course addresses effective instruction in Middle School Science, Biology, and Chemistry. Students will identify and understand the processes necessary to effectively teach the sciences in grades 6-12, including knowledge, skills, and practices of the core areas of science, the nature of science and scientific inquiry; evaluation of instructional resources and practices; and instructional design to meet the needs of diverse learners.

**Credits:** 3

**Department:** [Education](#)