

Methods of Science Education for PreK-6 GNSC 0360-0560 Online

Tarin Weiss, Ed.D.
tweiss@wsc.ma.edu



Course Objective: After successfully completing this course, students will understand the basic elements of teaching science, including how children learn science, how to develop inquiry-based lesson plans, and ways to incorporate authentic science learning experiences into the curriculum.

Course Description: This course serves to prepare students to teach science. The course focuses on meaningful teaching methods, materials, and curriculum development through the use of hands-on activities, readings, discussions, and lesson-plan writing.

Course Format: The material for this course will be presented on the Plato/Vista based college format. Using a high-speed internet connection, students will access online assignments, readings, videos, animations, discussions, and assessments. Students are required to assemble easily-available materials to carry out at-home hands-on activities and acquire a digital camera to document their work. There is no required textbook as all readings will derive from online sources.



Grades will be based on performance on 2 exams (online mid-term, final), reflection papers, nature journal, final project, and weekly discussions.

Assistance is available to help students learn how to complete all requirements of this online course.