



Buffalo State College, State University of New York  
**Department of *Earth Sciences and Science Education***

**SED 405W: Materials and Methods for Teaching Secondary School Science**

Course # (Semester YEAR)

Course Sessions: Days, Times

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Office Hours: Days, Times

Office (Building) #

Office: Phone:

Email

**Course Description**

***Prerequisites:***

**Required Texts:**

**Recommended Texts:**

**Buffalo State Teacher Education Unit Conceptual Framework:**

*Please provide additional information as needed to any/all of the following elements according to the specialization of your specific course:*

***Content***

The content reflects the subject matter to be taught to the learners.

***Learner***

The learner refers to the strong emphasis on professional education candidates attaining an understanding of P-12 learners' socialization, growth, and development; the learning process; reflection of teaching; and the establishment of a classroom climate that facilitates learning.

***Pedagogy***

Pedagogy encompasses the strategies that candidates use to teach all learners.

***Technology***

The use of technology in the classroom has become a vehicle for learners to acquire information, practice skills, use higher order thinking skills, and participate in collaborative projects.

***Reflective Learner***

The reflective learner for the teacher education candidate includes the ability to reflect and assess one's own effectiveness, and to systematically make adjustments to improve and strengthen areas needing attention.

***Diversity***

Diversity refers to the ability of candidates to be aware of and sensitive to diversity issues and to use culturally and socially responsive pedagogy.

***Dispositions***

Dispositions are a demonstration of respect for learner differences, commitment to own personal growth, and engagement in short and long-term planning.

**Course Procedure and Grading Policy**

**Course Expectations:**

**Attendance:**

**Evaluation:**

**Grading Scale:**

**Academic Dishonesty Policy:**