teaching labs, outreach programs or regional schools. In addition, students will design, implement, and present an action research project. This course is intended to be taken as a two-semester co-requisite of SCI 510 and SCI 520.

3 credits, Letter graded (A, A-, B+, etc.)

**SCI 549: Science Field Experience I**

This course requires teacher candidates to complete 50 hours of supervised field experience at various sites and with diverse learners, including: high needs schools, students with disabilities or special needs, English language learners, and diverse age groups. The field experience will involve: observing instruction by sponsoring teacher and other teachers using a structured observation protocol, assisting sponsoring teacher with class activities, tutoring students, planning curriculum and negotiating curriculum with students, assessing student knowledge, and preparing written assignments for the methods courses on the basis of the above activities.

1 credit, S/U grading

**SCI 550: Science Field Experience II**

This course requires teacher candidates to complete 50 hours of supervised field experience at various sites and with diverse learners, including: high needs schools, students with disabilities or special needs, English language learners, and diverse age groups. The field experience will involve: observing instruction by sponsoring teacher and other teachers using a structured observation protocol, assisting sponsoring teacher with class activities, tutoring students, planning curriculum and negotiating curriculum with students, assessing student knowledge, and preparing written assignments for the methods courses on the basis of the above activities. Prerequisite: Matriculation in degree (MAT, MS, Ph.D or MA/LS) program; submission of portfolio and interview with and permission of Science Education Committee 631.632.7075

3 credits, Letter graded (A, A-, B+, etc.)