Field Experiences for Science Education Program

Field Experiences and Internship:
Students engage in field experiences and teaching internships in schools with diverse populations that include students with exceptionalities and second language learners. For more information regarding the selection of schools and the qualifications of supervising faculty and cooperating teachers, please see Sections 1.2 and 1.3, respectively, of the Standard 1 summary document. Below is the number of clock hours students spend in field experiences and teaching internships throughout the course of their academic program.

<table>
<thead>
<tr>
<th>Science: Biology (BA, 6 – 12)</th>
<th>Field Experience Hours</th>
<th>Teaching Internship</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>总小时 (10 – 30小时/科)</td>
<td>15周全时等值学生教学 placement in a grades 6-12</td>
<td>610小时 for non-LAs</td>
<td>730小时 for LAs</td>
</tr>
<tr>
<td>85小时 for non-LAs</td>
<td>Total: 525小时</td>
<td>610小时 for non-LAs</td>
<td></td>
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<tr>
<td>205 for LAs</td>
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</tbody>
</table>

SCE 3813 Seminar in Biology Education

1. Weekly Teaching and Reflections on LA Teaching. Each student is expected to spend approximately 10 hours per week working with undergraduate mathematics and science students in collaborative, learner-centered, technology-enhanced environments. Each class member is expected to log a web-based reflection on his or her teaching and on student learning by 5:00 PM each Monday. You can find the online reflection forms at [http://physics.fiu.edu](http://physics.fiu.edu). You cannot pass the course if you do not complete your weekly online teaching reflections. In these reflections, you will be expected to address at least two of the associated Student Learning Outcomes as listed in the Weekly Schedule of Topics on pages 3 through 6 of this syllabus.

Note: Students can continue their LA experience after the initial semester but must enroll in a teacher preparation program after the third semester as an LA if they wish to continue.

2. FOR NON-LA STUDENTS ONLY: If you are not participating in the LA experience you are required to do 30 hrs of field experience in a local 6-12 science or math classroom. The Field Experience office ZEB 220 will facilitate the requisite fingerprinting process required by the state. Your faculty will facilitate with the choice of school and teacher. The assignment - Field Experience: You will visit a secondary science school classroom (grades 7-12), observe 4-5 different science classes and interview the classroom science teacher(s). You will submit a report that describes your observations and your personal reflections and thoughts. Focus on the specific details from the criteria below in your report. Be sure to include insights into classroom implementation and discuss specific pedagogical strategies observed.

Field Hours: Learning Assistant 150 hrs
Field Hours: Non Learning Assistant 30 hrs
SCE 4194 Perspectives on Science and Mathematics

Field Experience: You will visit a secondary science or mathematics classroom (grades 7-12), observe 4-5 different science lessons (min 10 hrs in the schools) and interview the classroom science teacher. You will submit a report/observation notebook that describes your observations and your personal reflections and thoughts. It is strongly suggested that you focus your observations and notes on a few of the topics listed below (see description of Issues Position Paper on pg 8 of this syllabus). It is intended that your observations will aid you in the choice of topic for your paper and influence your choices in writing the Multicultural Lesson Plan. Therefore the Field Experience should be completed early in the semester. Be sure to include insights into classroom implementation and discuss specific pedagogical strategies observed.

Field Hours 10 hrs

RED 4325 – Subject Area Reading

Field Experience Requirement: All students registered in RED 4325/5339 are required to spend 1 ½ to two hours a week in a secondary classroom of your subject area, for 10-12 weeks, observing and participating. The kinds of lessons to be taught can involve one student or a small group of up to three students, depending on the arrangements you make with the cooperating teacher. It is the participant's responsibility to inform the cooperating teacher of the course field requirements as soon as the cooperating teacher is identified. If arrangements cannot be made with the cooperating teacher, report to Dr. Cohen as soon as possible for an alternate assignment.

Field Hours 20 hrs

TSL 4324 – ESOL in the Content Area

Field Assignment – The field assignment in this class will be a case study in which individual students will meet with and tutor an English Language Learners from a field school or from the English Language Institute at FIU. Students will be required to meet with the learner a minimum of six times, plan a course of study for the learner that addresses specific language learning issues as identified by the learner, student and mentor teacher, and work on those issues in ways that correlate with the ESOL methods, theories and techniques taught in this course. For specific guidelines please see online icon for the Field Project. This is also the taskstream artifact for this class. See the description of the assignment on taskstream, the associated FEAPs and ESOL Standards and Competencies, as well as the scoring rubric. Students are also required to upload to taskstream a log of the field hours they spent in completion of this assignment (25%)

Field Hours 15 hrs
SCE 4330 – Methods of Secondary Science Education

1C. Teacher Interview/Classroom Observation Report -

You will visit a secondary science school classroom (grades 6-12), observe 4 different science lessons and interview the classroom science teacher. You will submit a report that describes your observations and your personal reflections and thoughts. Use the questions in the guideline below to focus your observations and interview questions.

*Focus on the specific details from the criteria below in your report. Be sure to include insights into classroom implementation and discuss specific pedagogical strategies observed.*

For extensive Guidelines on the nature of the observations and reflection please the SCE 4330 syllabus pages 11-12. Observation Report includes:


Field Hours 10 hrs

SCE 4944 – Student Teaching

The purpose of this 6-credit course, SCE 4944, is to provide a closely supervised internship for students who upon graduation from the science education program will be eligible for state physics, chemistry, or earth science certification. This experience is the culminating one in the teacher preparation program. It is the equivalent of 15 weeks of full-time teaching internship length and is completed under the supervision and guidance of a certified teacher who meets the state requirements for a clinical supervisor and a University supervisor credentialed in Science Education.

Field Hours 525 hrs