UNIVERSITY OF CALIFORNIA, SAN DIEGO
EDUCATION STUDIES

EDS 39
Spring 2007

PRACTICUM IN SCIENCE & MATH TEACHING AND LEARNING

Instructor: Luz Chung
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Lecture: Thursdays, 3:30-4:50 PM
Office Hours:
Tuesdays, 3:00-5:00 PM
(or by appointment)

EDS 39 will provide students with the opportunity to examine some of the critical issues facing middle school and high school teachers and students in math and science today. Through course lectures, discussions, and the use of materials such as articles, videos, and the web we will consider issues in teaching and learning in secondary schools such as:
- addressing the varying academic needs of students;
- understanding culturally responsive teaching;
- working with diverse students;
- how policies affect teaching and learning; and
- assessing students’ performance

READINGS
- Various articles found through the library’s Electronic Reserves.
- Online resources.

COURSE EXPECTATIONS

<table>
<thead>
<tr>
<th>Attendance and Participation</th>
<th>Due Dates</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Your ongoing contribution to the EDS 39 class, through regular and punctual attendance, participation and contribution to class activities and discussions.</td>
<td>Weekly</td>
<td>30</td>
</tr>
<tr>
<td>K-12 Classroom Involvement and Reflections*</td>
<td>Weeks 4-9</td>
<td>60</td>
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<tr>
<td>You are required to observe K-12 classrooms and be engaged in educational activities with the students in those classrooms. A total of 20 hours of classroom time is required. You will be visiting classrooms at 6 different schools (1 school/week). As soon as you finish an observation(s), you must record your observation(s) and thoughtful reflections in an online system called WeTeach.</td>
<td></td>
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<tr>
<td>K-12 Classroom Involvement Log Sheet</td>
<td>In my box by 4 PM on Friday, June 8, 2007</td>
<td>10</td>
</tr>
<tr>
<td>You must record 20 hours of classroom time.</td>
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</tbody>
</table>

Total points 100

*Tuberculosis Test: You are required to have the results of a current TB test on file with the course instructor. You must submit your TB results during class no later than April 12, 2007. If you have had a TB test within the last 12 months, you may submit a copy of those results to the instructor in lieu of taking a new TB test. You may not start your classroom observations without your TB test results.

For your convenience, Student Health Services conducts TB testing.
For further information please go to the Student Health Services website at http://studenthealth.ucsd.edu. Click on “Clinic Services” and then on “Nurses Clinic”.
COURSE OUTLINE AND READINGS
(Please bring the weekly readings to class)

Week 1
Thursday, April 5, 2007 ....................... Learning vs. performance: A personal perspective

Readings from UCSD library’s Electronic Reserves

  - Pages: 83-96

Week 2
Thursday, April 12, 2007 ....................... Learning vs. performance: An institutional perspective

Readings from UCSD library’s Electronic Reserves:


Week 3
Thursday, April 19, 2007 ......................... No Child Left Behind

Reading from UCSD library’s Electronic Reserves:


Online Resources (Please print and bring to class. Glance over the data in these documents.):

- La Jolla High School Demographic Profile:
  http://studata.sandi.net/research/schoolprofiles/SCHPR342.PDF
- La Jolla High School’s SARC
- Hoover High School Demographic Profile:
  http://studata.sandi.net/research/schoolprofiles/SCHPR338.PDF
- Hoover High School's SARC

Week 4
Thursday, April 26, 2007 ....................... Dissecting the student experience

Readings from UCSD library’s Electronic Reserves:


Recommended Reading from UCSD library’s Electronic Reserves:

  - Introduction (pp. xix-xxii)
  - Chapter 6
Week 5  
**Thursday, May 3, 2007** .......................Dissecting the teaching experience

Reading from UCSD library’s Electronic Reserves:


Additional required reading (I will email you the pdf of this reading):


**Recommended** Reading from UCSD library’s Electronic Reserves:

  - Chapter 3 (pp. 50-83)

Week 6  
**Thursday, May 10, 2007** ......................Tracking

Readings from UCSD library’s Electronic Reserves:

  - Chapter 7 (pp. 154-173)

- Through this book review of *Radical equations: Civil rights from Mississippi to the Algebra Project,* you can get a glimpse of the Algebra Project, a program designed to help marginalized students access Algebra.

**Recommended readings:**
To learn more about the Algebra Project, take a look at the following two resources:

1) From UCSD library’s Electronic Reserves:

  - Chapter 1 (pp. 3-22)

2) Online resource (The Algebra Project):

Week 7  
Thursday, May 17, 2007 ...................Culturally Responsive Pedagogy

Readings from UCSD library’s Electronic Reserves:


Week 8  
Thursday, May 24, 2007 ...................Teaching and learning

Reading from UCSD library’s Electronic Reserves:


Online resources in preparation for Diego Gutiérrez’ (Crawford High School MVAS principal) visit next week:

- San Diego Unified School District’s efforts to establish small schools  
  [http://www.sandi.net/hsrenewal/sm_schools.html](http://www.sandi.net/hsrenewal/sm_schools.html)

- MVAS’ website  
  [http://prod031.sandi.net/MVAS/index.html](http://prod031.sandi.net/MVAS/index.html)

Week 9  
Thursday, May 31, 2007 ...................Building learning communities

Reading from UCSD library’s Electronic Reserves:

- San Diego County Office of Education. (January 2006). Annual report to the community (pp. 1-9).

Online resources in preparation for Jolie Pickett’s (Garfield High School principal) visit next week:

- [http://www.sandi.net/garfield/](http://www.sandi.net/garfield/)

Week 10  
Thursday, June 7, 2007 ....................Final reflections