

EDUC 50B- FALL 2007
CAL TEACH 1 MATHEMATICS SEMINAR
TUESDAYS 4-5:45
THIMANN LABS 391

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COURSE DESCRIPTION

Open only to students in the Cal Teach program. Students analyze and evaluate classroom observations and education issues related to their placements in secondary math classrooms. Coursework includes readings, seminar participation and written weekly classroom observations. This quarter is a broad introduction to schools, teaching, and learning with emphasis on secondary mathematics.

COURSE REQUIREMENTS

1. **Attendance and Participation:** Attend weekly class meetings, complete assigned readings, and participate in discussions. Participation will be terminated after 3 or more absences in any required Cal Teach course.
2. **Classroom Observations and Reflections:** Conduct classroom observations in local middle or high school placements and complete observation and reflection assignments from the book *Learning to Teach*. Be prepared to participate in class discussions that focus on classroom observations and connections to required readings.
3. **Teacher Interview:** Conduct a teacher interview. Suggested questions will be distributed. Write a report summarizing your interview.
4. **Online Information System (OIS) Field Experience Entries and Reflections:** Get involved in the classroom by working with students individually or in a small groups, leading a warm-up activity or lab activity, leading a “what it’s like to be a college student” type discussion, or other activities that your host teacher suggests, including actually teaching the class. Log each field experience, activities, and your reflections into OIS. The reflection writing should focus on classroom observations such as: classroom management, classroom organization, classroom procedures, teaching strategies, math content and the math learning of the students in the classroom.
5. **Cal Teach Final Reflections: Next Steps paper.** At the end of the quarter, after spending weeks observing and assisting in a secondary mathematics class, think back on the experience and write about your next steps. Has Cal Teach affected your decision to become a teacher? Do you plan on continuing with a Cal Teach 2 internship? If you plan to continue with Cal Teach write about what you next steps would be. This may include ways of participating in the classroom you already did and wish do more of, as well as ways of participating that you did not get to do but would like to do in the future. This should be a 1-2 page reflection including specific techniques and/or activities and the rationale for considering them as appropriate next steps. As potential next steps you may also include things you want to learn more about concerning teaching methods & philosophy.

If you are certain you are not going to continue with Cal Teach, summarize what you have learned and gained by being in the Cal Teach program this quarter and comment on why you are choosing not to continue, and reflect on what kind of teaching, if any, you might do in the future.

COURSE GRADING POLICY

15%	Attendance and Participation
25%	Classroom Observation and Reflection Assignments
10%	Teacher Interview
35%	OIS Field Experience Entries and Reflections
15%	Cal Teach Final Reflections: Next Steps Paper

READINGS

Instructor will provide copies of readings.

1. Lakshmanan, Indira A.R., "Windows on Children's Worlds". Chapter 1 in *Encounters in Education* by Fitzgibbons, Robert E. and ZuWallack, Raymond J. Fort Worth: Harcourt Brace College Publishers.
2. Johnson, David R. (1982) "Don't Do It the Way I Did!", Chapter 1 in *Every Minute Counts, Making Your Math Class Work*. Palo Alto: Dale Seymour Publications.
3. New York Times Editorial (July 4, 2006), "Teachers Matter"
4. Johnson, David R. (1982) "The Art of Questioning", Chapter 2 in *Every Minute Counts, Making Your Math Class Work*. Palo Alto: Dale Seymour Publications.
5. Wallace, Claudia and Dell, Christine (May 2004). "What Makes Teens Tick". *Time Magazine*.
6. Johnson, David R. (1982) "The New Class Routine", Chapter 3 in *Every Minute Counts, Making Your Math Class Work*. Palo Alto: Dale Seymour Publications.
7. Johnson, David R. (1982) "More Ideas for Making It Work", Chapter 4 in *Every Minute Counts, Making Your Math Class Work*. Palo Alto: Dale Seymour Publications.

OBSERVATION AND REFLECTION ASSIGNMENT MATERIALS

Adams, N.G.; Shea, C.M.; Liston, D.D.; & Deever, B.; (2006) **Learning To Teach**; Mahwah, NJ: Lawrence Erlbaum Associates, Publishers.

COURSE SCHEDULE

Week 1 October 2, 2007

IN CLASS	OUTSIDE CLASS
Preparation for next meeting	
Introductions	Read Lakshmanan's "Windows on Children's Worlds"
Distribute and discuss syllabus	Complete "Significant Past School Experiences", p. 5-6 in <i>Learning to Teach</i> .
Review initial meeting with classroom teacher and other placement logistics	
Class Activity: Pre-Observation – Your Expectations	
OIS: Online Information System- Instructions for logging your field experiences into OIS	

Week 2 October 9, 2007

IN CLASS	OUTSIDE CLASS
Preparation for next meeting	
How are placements and teacher meetings going?	Complete "Multicultural Self" p. 9-10 in <i>Learning to Teach</i> .
Discuss "Significant Past School Experiences" assignment	
Discuss Lakshmanan reading	

Week 3 October 16, 2007

IN CLASS	OUTSIDE CLASS
Preparation for next meeting	
Discuss "Multicultural Self" assignment	Read Johnson, Chapter 1 "Don't Do It the Way I Did"
Class Activity: Tutoring Tips via Role Playing	Complete "Seating Arrangements", p. 21-22 in <i>Learning to Teach</i> .

Week 4 October 23, 2007

IN CLASS	OUTSIDE CLASS
<p>Discuss “Seating Arrangements” assignment</p> <p>Discuss Johnson reading</p> <p>Class Activity: Similarities and differences in observation and Johnson’s classroom</p> <p>Class Activity: Ideas for making groups more efficient</p> <p>Class Activity: Information on Credentialing in California</p>	<p>Preparation for next meeting</p> <p>Read New York Times editorial “Teachers Matter!”</p> <p>Complete “Teacher Movement in the Classroom” p. 27 in <i>Learning to Teach</i> and “Taking Control of the Classroom” p. 43-44 in <i>Learning to Teach</i>.</p> <p>REMINDER: OIS Field Experience Entries and Reflections mid-quarter check next week. Please make sure your log is current.</p>

Week 5 October 30, 2007

IN CLASS	OUTSIDE CLASS
<p>OIS Field Experience Entries and Reflections mid-quarter check</p> <p>Discuss “Teacher Movement in the Classroom” assignment</p> <p>Discuss “Taking Control of the Classroom” assignment</p> <p>Discuss New York Times reading</p> <p>Discuss Teacher Interview assignment: what makes for a good interview</p> <p>Handout: Math for Teaching, then and now”</p>	<p>Preparation for next meeting</p> <p>Read Johnson, Chapter 2 “The Art of Questioning”</p> <p>Conduct Teacher Interview</p> <p>Complete “Wait Time”, p. 55-57 in <i>Learning to Teach</i></p>

Week 6 November 6, 2007

IN CLASS	OUTSIDE CLASS
<p>Discuss “Wait Time” observation</p> <p>Discuss Johnson reading</p> <p>Class Activity: Questioning Techniques</p> <p>Class Activity: Johnson’s “Questions I Seldom Ask” and how to get better responses.</p>	<p>Preparation for next meeting</p> <p>Read “What Makes Teens Tick”</p> <p>Write-up Teacher Interview</p> <p>REMINDER: Teacher Interview is due next week</p> <p>Complete “Brain Compatible Classroom Exercises” p. 59-60 in <i>Learning to Teach</i>.</p>

Week 7 November 13, 2007

IN CLASS	OUTSIDE CLASS Preparation for next meeting
<p>Discuss “Brain Compatible Exercises” assignment</p> <p>Teacher Interview due</p> <p>Discuss “What Makes Teens Tick”</p> <p>Class Activity: Teacher Interview Sharing</p> <p>Class Discussion: CNN Article “Confident Students Do Worse in Math”</p>	<p>Read Johnson, Chapter 3, “The New Class Routine”</p> <p>Complete “Classroom Dialogue”, p. 61-62 in <i>Learning to Teach</i>.</p>

Week 8 November 20, 2007

IN CLASS	OUTSIDE CLASS Preparation for next meeting
<p>Discuss “ Classroom Dialogue” assignment</p> <p>Discuss Johnson reading</p> <p>Class Activity: Importance of Dialogue in the classroom</p>	<p>Read Johnson, Chapter 4, “More Ideas for Making It Work”</p> <p>Complete “ Metaphors of Classroom Praxis”, p. 85-86 in <i>Learning to Teach</i>.</p> <p>REMINDER: OIS Field Experience Entries and Reflections are due next week.</p>

Week 9 November 27, 2007

IN CLASS	OUTSIDE CLASS Preparation for next meeting
<p>OIS Field Experience Entries and Reflections due</p> <p>Discuss “Metaphors of Classroom Praxis’ assignment</p> <p>Discuss Johnson reading</p> <p>Discuss “Final Reflection: Next Steps” assignment</p>	<p>Write “Final Reflection: Next Steps” paper which is due next week and will be presented in class.</p>

Week 10 December 4, 2007

IN CLASS	
<p>“Final Reflection: Next Steps” paper due</p> <p>Class Activity: Presentations of “Final Reflections: Next Steps” papers</p>	

