

Orientation Seminar, Math 299E
2 credits, Fall 2014

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Meeting Time: 8:00 – 8:50 MW
Web Site: <http://www.cwu.edu/~lundin/courses.htm>
Meeting Place: Bouillon Hall, Room 101
Office Hours: 11-12 M-F or by Appointment

Students With Disabilities

Students with disabilities who wish to set up academic adjustments in this class should give me a copy of their “Confirmation of Eligibility for Academic Adjustments” from the Disability Support Services Office as soon as possible, so we can discuss how the approved adjustments will be implemented in this class. Students who need this form should contact the Disability Support Services Office in Bouillon 205 at dssrecept@cwu.edu or call 963-2171.

Texts

- (1) [*Principles and Standards for School Mathematics*](#) by the National Council of Teachers of Mathematics (NCTM). It is available online at www.nctm.org . You can get a trial membership for free (90-day);
- (2) [Washington State Standards](#)
- (3) [Common Core Standards](#) ([OSPI Web Site](#))

Supplies

- (1) [LiveText](#): You will need to purchase this for your own use.
- (2) Inexpensive Paper Notebook

Course Description

This course introduces students to CWU’s secondary mathematics program and guides them into tutorial practice. Students must complete 20 hours of service learning tutorials, keeping structured notebooks of their tutorial experiences and documenting those experiences which align with the NCTM Process Standards. They must also deliver brief presentations about these experiences. Students will begin construction of a mathematics education electronic portfolio in LiveText to document those experiences aligning with the NCTM Standards.

Learner Outcomes: Students will document tutorials and reflect on them in LiveText.

Learner Outcome	Assessment
Initiate Mathematics Education Proficiency Portfolios (MEPP)	Present electronic (LiveText) portfolios in which artifacts are tutorial problems and reflections explain how students resolved those problems via the NCTM Standards.
Teach Problem-solving Using a Variety of Strategies	Document teaching a problem-solving tutorial and reflect on the tutorial’s effectiveness.
Teach Communication of Mathematical Understanding	Document teaching communication of mathematics and reflect on the tutorial’s effectiveness.

Teach Mathematical Reasoning	Document teaching mathematical reasoning and reflect on the tutorial's effectiveness.
Teach Making Connections	Document teaching making connections between various areas of mathematics and between mathematics and science and reflect on the tutorial's effectiveness.
Teach Using Mathematical Representations	Document teaching the use of mathematical representations and reflect on the tutorial's effectiveness.

Work Required

Content of Paper Portfolio (40% of your Grade)

1. Section 1 This Syllabus
2. Section 2 Assignments (in order, by date assigned)
3. Section 3 20+ Notebook entry forms describing your tutoring experiences. These can be hand-written and should be in order by date with your latest experience last.
4. Section 4 A One-page synopsis of your tutoring experience. In particular you must state what experiences helped you learn and what experiences might have helped you learn better. (typed)

LiveText Portfolios (40% of your grade)

1. 20+ pairs of artifacts (descriptions of tutoring experience) and reflections on your tutoring experiences. Note: Every standard must be covered by an experience at least twice.
2. One-page synopsis of your tutoring experience. In particular you must state what experiences helped you learn and what experiences might have helped you learn better. (typed)

Presentations (10% of your grade)

One or more brief presentations of "case studies" of your tutorials with either resolutions or questions

Attendance (10% of your grade)

This class will NOT work well without your attendance. After we establish tutoring schedules we will only meet on Mondays. The meetings will serve as communication forums about the success of your tutorials. Be there.

Grades

Portfolios—approximately 40% of your grade

Exemplary (5 pts)	Proficient (4 pts)	Partially Proficient (3 pts)	Incomplete (0 pts)
Demonstrates exemplary preparation in teaching a standard.	Demonstrates proficient preparation in teaching a standard.	Demonstrates partially proficient preparation in teaching a standard.	Demonstrates incomplete preparation in teaching a standard.

Notebooks and Presentations—Respectively, 40% and 10% of your grade

Exemplary (5 pts)	Proficient (4 pts)	Partially Proficient (3 pts)	Incomplete (0 pts)
Demonstrates exemplary teaching to a Standard	Demonstrates proficient teaching to a Standard	Demonstrates partially proficient preparation in teaching to a Standard.	Demonstrates incomplete teaching to a Standard

Final Grading Scale

93- 100%	90- 92%	87- 89%	83- 86%	80- 82%	77- 79%	73- 76%	70- 72%	67- 69%	63- 66%	60- 62%	<60%
A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F