

Course schedule: We will be meeting in River Falls one Saturday per month:

- Sept 5
- Oct 10
- Nov 7
- Dec. 12

You need to bring your math kit (manipulative box) to class each Saturday, along with a notepad and pencils.

We will be meeting online through the D2L Online Room tool each Tuesday. You will need a microphone and speakers and a fast internet connection for Tuesday meetings. If you are using a laptop, it will have a built in microphone and speakers, but you should use headphones and/or a headset for classes to minimize microphone feedback issues.

Lessons: a lot of the learning you will be doing for this class will happen online. These are linked from my home page (see above right). I have prepared video lectures as well as text versions for most lessons. These are similar, but not exactly the same, so if the content isn't making sense through one medium, you should be trying the other one also. Each lesson is accompanied by practice questions that I have provided answers for, and some lessons have a short, open book **quiz** you will be taking on D2L that is similar to the practice problems (but with less elaborate answers provided). There will also be lessons in class on Tuesdays and Saturdays. These will often be followed later in the week by text versions of the same information.

Questions: please send your questions to me via email. Especially when something isn't working for you on the web site, please let me know right away so I can make corrections to the web site.

Attendance: Come to class. The discussion and interaction that comes with participating in a lesson provides unique perspectives on the content that it is very hard to get by working independently. If you need to miss a class for any reason, you will need to be proactive to get the content and announcements of the class you missed by asking your classmates to take and share notes with you. If you miss a Tuesday meeting, you may be able to watch the class online through the D2L Online Rooms tool. If you miss a Saturday meeting, you may need to drive into River Falls on another day to take the missed test or other graded activity.

Homework: selected lessons are accompanied by homework assignments that will be turned in to a D2L dropbox. You will need access to a scanner for some of these assignments.

Tests: There will be 3 in class tests given during the last hour during the Saturday meetings in October, November and December. If you have special needs for test taking, please contact me in advance.

Where to find it: Announcements, schedules, assignments and lessons are posted on *my web site* (see top right of this page for the web address). You will be taking quizzes, participating in discussions, turning in assignments (in the dropbox) and sometimes reading articles in *D2L*. You will also be attending the online class meetings through *D2L*. I will be posting your scores in the gradebook section on *D2L*. Occasionally there are problems with the gradebook (both human and machine errors). Please let me know if you find any errors in the posted scores.

Topics :

Cognitively Guided Instruction for addition, subtraction, multiplication and division.

Children's strategies for calculations (math facts and multi-digit work)

Base 10 numbers

Multi-digit operations for addition, subtraction and multiplication

Note that this semester, our focus is on math teacher knowledge—elementary math and how children think about math, and within that, our focus is on number and operations. In TED 324, we will be focusing more on teaching techniques, and we will address two portfolio categories. You will be completing one portfolio item for this class.

Supplies: Most of what you will need is already in the math kit you will be getting at the first Saturday meeting. I'd like you to add to that kit: colored pencils or crayons, a ruler and scissors. You should, of course, also bring to class a pencil and paper.

Field Experience Assignments: In about 4-6 weeks you will be assigned a field experience placement, where you will be spending 10 hours observing and teaching. There will be specific assignments posted for you to accomplish during your field experience, that will include observing and analyzing lessons, and writing and teaching lessons.

Grading: Your grade will be based primarily on your scores on quizzes, homework, tests and field experience assignments.

- Homework and online quizzes count as 25% of your grade. You must achieve at least 75% in this category to pass the class with a B- or better.
- Tests count as 50% of your grade. You must achieve at least 70% in this category to pass the class with a B- or better.
- Field experience assignments count as 25% of your grade. You must achieve at least 80% in this category to pass the class with a B- or better.

If you meet the above minimum scores, your grade will be based primarily on the weighted average (mean) of your scores. Letter grades will be at least as high* as those determined by your weighted average and these percents:

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| A: 94-100% | A-: 90-93% | B+: 87-89% | B: 83-86% | B-: 80-82% ** |
| C+: 77-79% | C: 73-77% | C-: 70-72% | D+: 66-69% | D: 55-65% |

*On rare occasions, I may raise grades for students who have displayed superior understanding in ways that are not reflected in the percentage break-down. I never, however, lower grades below what the percentages indicate.

**You must earn a B- or better to enroll in TED 324.

Late work: Late work will be accepted for a small reasonable number of late assignments (about 3). If your work is late for an excused absence (circumstances beyond your control), *and you have documentation* verifying the reason for the absence, then the lateness of the homework is also excused. If you are turning in homework late for any other reason, it may be turned in up to one week late for partial credit (approx. 75%). If you miss a test, you will need to come into River Falls on another date to make that up.

You can do it: A lot of people who take this class don't have a strong background in math. A lot of people struggle, and need support. I have seen people with very weak math backgrounds succeed because they worked hard and used their resources wisely. I can be a good resource. Your classmates can be good resources. If you need extra support, make sure you take advantage of my Tuesday Q&A sessions and study time with your classmates. This class is designed to tackle the most important topics for elementary teachers to know in math;

a lot of the things you will be doing and learning about in this class will be important for you and for your students when you start teaching. You can do it!

The UWRf promotes safe, inclusive and effective learning environments that protect the rights and support the interests of both students and faculty. For additional information regarding our inclusivity expectations, academic accommodations, academic conduct expectations and processes, and other syllabi information, please consult <http://go.uwrf.edu/Syllabi>