

Math 228 Tentative Syllabus

Instructor and Student Hours:

Dr. Senfeng Liang

Email: sliang@uwsp.edu

Class time and location: 11:00 - 12:15pm, MW A212 Science building

Online Student hours: T, 11:30am-12:15pm, 1:15-2:45pm (may vary; A 24-hour notice is needed) or by appointment

If you would like to schedule a meeting with me, please click [this link](#) to reserve a time slot 24 hours in advance. Please write **Math 228 section number your full name** in the subject of the email. For example, it should look like math228_1_Full name. Always use **full official name** in your email (e.g., at the end of an email). **No nick name please!** I may not reply to your email if it fails to follow the format.

Course Description:

MATH 228. Fundamental Mathematical Concepts for Elementary Teachers. 3 cr. Basic concepts and properties of number systems and functions for elementary school math. Prereq: MATH 95 or MATH 100 or placement above MATH 95 or MATH 100; and declared elementary ed, early childhood ed, or special ed major. If you do not meet the prerequisites, you will not be allowed to take the course. GEP: QL*

** This course will fulfill the Quantitative Literacy (QL) requirement as part of the General Education Program (GEP) for education majors only. Because this course is identified as a QL course in the GEP, assignments and assessments may be collected and copied for use in GEP assessment. Names or identifying marks will be removed from copies of collected artifacts.*

Student Learning Outcomes:

Students will be able to ...

examine, explore, discuss, and strengthen their understanding of numeration, computation, and problem solving, and other related topics so that the content can be taught knowledgeably and confidently. [Note: This requires content to be stretched **beyond** the level typically taught in k – 8 settings.]

Course Content:

1. Numbers and the base-ten system
2. Fractions and problem solving
3. Addition and subtraction
4. Multiplication
5. Multiplication of fractions, decimals, and negative numbers
6. Division

Required Materials:

Binders to organize class handouts and assignments; colored pencils, and a calculator (no other media device can be used as a calculator)

Texts: Beckmann, S. (2018). Mathematics for Elementary Teachers with Activities (5th Ed), (**TEXT RENTAL**)

Additional Readings: will be provided as handouts (in paper or electronic version).

Tentative Course Requirements:

1 Test/Final:

There will be a midterm and a final. The test and final dates are provided in the schedule. You should avoid making travel plan on these days. For a test you will need to let me know at least two days in advance (barring medical emergency) that you will miss the test.

2 Homework, discussions, quizzes, etc.

There will be different types of assignments, including Handwritten homework (HHW), quizzes, discussion, etc. **For each Handwritten homework (HHW) assignment on Canvas, use a pen or ballpoint pen to write your NAME and DATE on Each page. Do NOT use a pencil to write your name and date. Sometimes, I may ask you to write your name and date in the middle of a paper.**

3 Course reflection:

You will be required to write a reflection about what you have learned from this course by the end this semester.

Class Responsibilities:

1 Attendance, Participation and Preparation:

Attendance and full participation are very important for this course. Absences must be documented either medically or justified by other reasons considered valid by the University. If you have evidence for medical reasons, please contact **Disability and Assistive Technology Center (DATC)** (609 Albertson Hall, 715-346-3365) and ask them to notify me the reason of absence.

Every time your absence is unexcused, you miss 1 point up to 3 absences. If you miss 4 or more classes without a valid excuse, you will not earn any credit for attendance and participation. You are responsible for learning the missed content, all announcements and assignments made in your absence. Major emergencies will be handled on an individual basis. **Media phone devices are not to be turned on or used during class time.** Activities such as texting messages will results in losing your participation points.

2 Conduct:

I will treat you as professionals and I expect the same in return.

3 Late Homework and make-ups:

No late homework will be accepted unless you have an extremely strong reason (such as accidents, emergencies, medical reasons) (The same is true for tests.) If you have such a reason, you must ask me via email for any possible permission in advance (or as early as you can). Oral permission is not valid. Moreover, even if your homework is accepted, you may lose points for being late. All written assignments must be submitted on or before the time/date indicated. You have two days' grace period for handwritten homework (HHWs). Unless otherwise permitted, there is no grace period for any other assignments, tests, etc.

4 Academic Integrity:

“Students are responsible for the honest completion and representation of their work, for the appropriate citation of sources, and for respect of others’ academic endeavors. Students who violate these standards will be confronted and must accept the consequences of their actions.” A description of your rights and responsibilities as a member of the UW-SP community can be found at <http://www.uwsp.edu/dos/Pages/Academic-Misconduct.aspx>

Individual assessments, such as individual assignments and exams, must be completed by you alone. Work completed collaboratively must clearly identify all contributors. *When utilizing outside references, all sources must be fully and accurately cited (use APA format).* All essays should be typed, single-spaced with 1" margins on all sides. You must use 12 pt. Times New Roman font. You should learn the APA format at: <https://owl.english.purdue.edu/owl/section/2/10/>

5 More information of assignments:

All essays should be typed, single-spaced with 1" margins on all sides. **You must use 12 pt. Times New Roman font.** You may need to do some written assignments. The written assignments measure your understanding of the methods and other mathematical aspects of the course. Correct answers are, of course, crucial, but correct answers without supporting work won't count for much here! You need to write clearly! Legible handwritten solutions are critical. Also remember to circle your final answer.

6 Disability Accommodations: The Americans with Disabilities Act (ADA) is a federal law requiring educational institutions to provide reasonable accommodations for students with disabilities. For more information about UWSPs policies, check here:

<http://www.uwsp.edu/stuaffairs/Documents/RightsRespons/ADA/rightsADAPolicyInfo.pdf>

If you have a disability and require classroom and/or exam accommodations, please register with the Disability and Assistive Technology Center and then contact me at the beginning of the course. I am happy to help in any way that I can. For more information, please visit the Disability and Assistive Technology Center, located on the 6th floor of the Learning Resource Center (the Library). You can also find more information here:

<http://www4.uwsp.edu/special/disability/>

7 Religious Beliefs:

Students' sincerely held religious beliefs will be reasonably accommodated with respect to all examinations and other academic requirements. According to UWS 22.03, you must notify the instructor within the first three weeks of classes about specific dates which require accommodation.

8 Policies: UW-Stevens Point values a safe, honest, respectful, and inviting learning environment. In order to ensure that each student has the opportunity to succeed, a set of expectations for all students and instructors have been developed. This set of expectations is known as the Rights and Responsibilities document, and it is intended to help establish a positive living and learning environment at UWSP. Check here for more information:

<http://www.uwsp.edu/dos/Documents/CommunityRights.pdf>

9 Netiquette Guidelines

Netiquette is a set of rules for behaving properly online. It is our goal to foster a safe online learning environment. All opinions and experiences, no matter how different or controversial they may be perceived, must be respected in the tolerant spirit of academic discourse. You are encouraged to comment, question, or critique an idea but you are not to attack an individual. Working as a community of learners, we can build a polite and respectful course community.

The following netiquette tips will enhance the learning experience for everyone in the course (especially if there is any discussion on Canvas):

- Be positive and supportive.
- Do not dominate any discussion.
- Do not use offensive language. Present ideas appropriately.
- Be cautious in using Internet language. For example, do not capitalize all letters since this suggests shouting.
- Popular emoticons such as ☺ or / can be helpful to convey your tone but do not overdo or overuse them.
- Avoid using vernacular and/or slang language. This could possibly lead to misinterpretation.
- Never make fun of someone's ability to read or write.
- Share tips with other students.
- Keep an "open-mind" and be willing to express even your minority opinion. Minority opinions have to be respected.

- Think and edit before you push the “Send” button.
- Do not hesitate to ask for feedback.
- Using humor is acceptable.

Adapted from:

Mintu-Wimsatt, A., Kernek, C., & Lozada, H. R. (2010). *Netiquette: Make it part of your syllabus*. *Journal of Online Learning and Teaching*, 6(1).

Shea, V. (1994). Netiquette. Albion.com. Retrieved from: <http://www.albion.com/netiquette/book/>

9 Academic Integrity:

As a student in this course (and at this university) you are expected to maintain high degrees of professionalism, commitment, and integrity to active learning and participation in this class. You have to follow the following academic honesty policy for this course.

The board of regents, administrators, faculty, academic staff and students of the university of Wisconsin system believe that academic honesty and integrity are fundamental to the mission of higher education and of the university of Wisconsin system. The university has a responsibility to promote academic honesty and integrity and to develop procedures to deal effectively with instances of academic dishonesty. Students are responsible for the honest completion and representation of their work, for the appropriate citation of sources, and for respect of others’ academic endeavors. Students who violate these standards must be confronted and must accept the consequences of their actions, that means you may get zero point for an assignment or a test, or even fail the whole course.

Academic misconduct subject to disciplinary action.

(1) Academic misconduct is an act in which a student:

- Seeks to claim credit for the work or efforts of another without authorization or citation;
- Uses unauthorized materials or fabricated data in any academic exercise;
- Forges or falsifies academic documents or records;
- Intentionally impedes or damages the academic work of others;
- Engages in conduct aimed at making false representation of a student's academic performance; or
- Assists other students in any of these acts.

(2) Examples of academic misconduct include, but are not limited to: cheating on an examination (for example, use a cell phone to contact other people during a test); collaborating with others in work to be presented, contrary to the stated rules of the course; submitting a paper or assignment as one's own work when a part or all of the paper or assignment is the work of another; submitting a paper or assignment that contains ideas or research of others without appropriately identifying the sources of those ideas; stealing examinations or course materials; submitting, if contrary to the rules of a course, work previously presented in another course; tampering with the laboratory experiment or computer program of another student; knowingly and intentionally assisting another student in any of the above, including assistance in an arrangement whereby any work, classroom performance, examination or other activity is submitted or performed by a person other than the student under whose name the work is submitted or performed.

10 Extra credits: If you volunteered to show your work on board you earn 0.5 point for each class. **Even if you volunteered twice or more than twice, you earn 0.5 point for each class.** Other opportunities may be possible.

ASSESSMENT INDICATORS (tentative)

| <i>Tasks</i> | <i>counts</i> | <i>points</i> | <i>notes</i> |
|------------------------------|---------------|----------------------|---|
| Attendance and participation | N/A | 5 | Individually |
| Midterm | 1 | 100 | Individually |
| Final | 1 | 150 | Individually |
| Homework | varies | 135 | The total points will be capped by 135. It may include HHWs, discussions, quizzes, etc. |
| Course reflection | 1 | 10 | individually |
| Total | | 400 or less than 400 | |

| <i>Letter Grade</i> | <i>Percentage</i> | <i>Letter Grade</i> | <i>Percentage</i> |
|---------------------|-------------------|---------------------|-------------------|
| A | 94-100% | C+ | 77-79.99% |
| A- | 90-93.99% | C | 73-76.99% |
| B+ | 87-89.99% | C- | 70-72.99% |
| B | 83-86.99% | D+ | 67-69.99% |
| B- | 80-82.99% | D | 60-66.99% |
| | | F | 0-59.99% |

Important note: In one HHW, you will need to hand copy an Academic Integrity Statement; fail to finish this task properly will give you a F grade for this course. I reserve the right to exercise discretion in raising a students' grade if the final weighted average does not appear to reflect the quality of a student's work. I will not use discretionary judgments to lower a students' final grade. The weighting of the scores may change if it results in a higher percentage for the student. Extra credit opportunities may be given throughout the semester. You should not count on it though since there may be none. I will not round up your percent, for example, 93.94% will give you an A-, rather than an A.

Estimated time needed for this course

Students may need to spend 2-3 hours of preparation outside of class for every hour spent in class. This course is a three-credit class, so you should expect to spend 6-9 hours each week devoted to studying and preparing assignments for this class besides the regular class hours (i.e., 3 hours per week). **If you experience difficulty in meeting or understanding course expectations, please sign in the meeting link or make an appointment to me via email to discuss your issues immediately.**

Extra help (STEM Tutoring)

The STEM Tutoring Program offers FREE tutoring to support you in your STEM classes. The tutors are UWSP students who have done well in their classes and who are here to share their successful study habits and content knowledge to help others succeed. Discussing concepts and practicing problems together clarifies and solidifies knowledge, and the tutors are eager to study with you. If you have questions about the schedules or would like to make an appointment, please visit us in ALB 018 (library basement), email (tlctutor@uwsp.edu), or call (715) 346-3568.

| What | Location | Schedule | Cost |
|-------------|-----------------|-----------------|-------------|
|-------------|-----------------|-----------------|-------------|

| | | | |
|--------------------------|---------------------|---|------|
| STEM Drop-In Tutoring | CBB 190 | No appointment needed – stop by when tutors are available: https://www.uwsp.edu/tlc/Pages/dropInTutoring.aspx | Free |
| STEM One-on-One Tutoring | ALB 018 or Virtual* | By appointment. Complete online request form here: https://www.uwsp.edu/tlc/Pages/Mathandscischedules.aspx | Free |

* Availability of virtual tutoring appointments may be limited.

Other important notes:

1. Grades given during the semester cannot be disputed after 5 days of receiving the grade.
2. **Please notice that this is a math content course rather than a pedagogical method course. The focus is the math content rather than method of teaching math.**
3. Calculators may or may not be used, depending on the tasks.
4. I will try to reply to your emails soon, but please do not expect me to reply to your email in the same day that you send me the email. Sometimes I may need up to 48 hours or longer. I may also not check emails during weekends or Holidays. I may not reply to an email if what was requested in the email is unreasonable (such as asking for points without a good reason).
5. The syllabus is tentative, and I reserve the right to interpret and revise it.
6. We may do some lessons online (asynchronous or synchronously).
7. **The content from syllabus and schedule may be included in the assignments, quizzes, or tests.**
8. If you find any errors or have any questions, please contact me.