

## Math 338-03 Tentative Syllabus Spring 2024

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### **Instructor and Student Hours (online):**

Dr. Senfeng Liang

Email: [sliang@uwsp.edu](mailto:sliang@uwsp.edu)

Online Student hours: Friday, 12:15-15:15 (it may vary; A 24-hour reservation is needed) or by appointment, click [here](#) for actual hours.

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 338 section number your full name** in the subject of the email. For example, it should look like Math338\_3\_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.

### **Highlights of Very Important Things**

Midterm and Final tests will be timed tests and the dates are listed below (SAVE THE DATES!!):

1. T, 3/12, Midterm test part 1. available on 3/11, 11:59pm-3/12, 11:59pm.
2. R, 3/14, Midterm test part 2. available on 3/13, 11:59pm-3/14, 11:59pm.
3. M, 5/13, Final test, available on 5/12, 11:59pm-5/13, 11:59pm.
4. **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.**
5. The syllabus's content may be included in quizzes or tests.
6. Important note: In one HHW, you will need to copy by hand an Academic Integrity Statement; failing to finish this task properly will give you an F grade for this course.

### **Texts:**

Bassarear, T. (2012). *Mathematics for Elementary School Teachers* (5<sup>th</sup> ed.). Belmont, CA: Brooks/Cole.

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

**Materials:** Scientific calculator, compass (it is a drawing tool), **protractor, scissors, tape**, ruler, tape ruler, colored pencils, or crayons or markers. (**Get them by 1/29/2024.**)

Have:

- o A computer
- o access to a scanner, or a camera, or a smartphone
- o access to a printer
- o a stable internet connection (don't rely on cellular)
- o webcam (if your computer does not have an integrated camera)
- o microphone

**Prerequisite:** Math 228

### **Student Learning Outcomes:**

Students will be able to ...

examine, explore, discuss, and strengthen their understanding of geometry, measurement, 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:**

Content for this course includes basic geometric properties, constructions, angles, circles, quadrilaterals, triangles, other polygons, transformations and tessellations, area, volume, surface area, spatial visualization, coordinate geometry, Pythagorean theorem, inductive and deductive reasoning, informal proof, metric and standard measurement, and problem solving.

### **Tentative Course Requirements:**

#### *1 Test/Final:*

There will be a midterm and a final. The midterm test and final test dates are provided in the schedule. Details will be provided in the future.

#### *2 Homework, discussions, quizzes, etc.*

We may have quizzes and discussions. There will be different types of homework assignments. The most two common types are below:

***Type 1: Online homework (abbreviated as HWs) on canvas.*** Some assignments will use online homework on canvas. The questions may be imported from a third-party software or website or created by me. These questions are usually graded by accuracy.

***Type 2: Handwritten homework assignments (abbreviated as HHWs) on Canvas: For handwritten homework assignment, you must 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 and participation:*

We will have one virtual lesson on **Tuesday 1/24/2023, 2-3pm**. If you do not attend, I will not deduct your points as it is optional. However, you are encouraged to attend. I will try to upload the recordings to Canvas and then you can watch it on your own time.

Meeting ID 949 4639 9262

Security Passcode 052246

Invite Link

<https://wisconsin-edu.zoom.us/j/94946399262?pwd=eTZrMTJlOE5UY013azBwUVQwZ2JxUT09>

#### *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 all other assignments including tests, quizzes etc.) 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 one day's grace period for

handwritten homework (HHWs). Unless otherwise permitted, there is no grace period for any other assignments, tests, etc.

#### *4 More information about handwritten homework (HHWs):*

Online homework problems tend to emphasize and reward simply by getting the right answer. 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 with details are critical. Also remember to circle your final answer.

#### *5 Disability Accommodations:*

If you have a documented disability and verification from the Disability Resource Center (DRC) and wish to discuss academic accommodations, please contact me instructor as soon as possible. It is the student's responsibility to provide documentation of disability to Disability Services and meet with a Disability Services counselor to request special accommodation before classes start.

You can click this link for more information: <https://www.uwsp.edu/disability-resource-center/>

#### *6 Religious Beliefs:*

Students who 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.

#### *7 Policies*

UW-Stevens Point values a safe, honest, respectful, and inviting learning environment. 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: [https://www.uwsp.edu/dos/Documents/2015\\_Aug\\_Community%20Rights%20and%20Responsibilities%20Web.pdf](https://www.uwsp.edu/dos/Documents/2015_Aug_Community%20Rights%20and%20Responsibilities%20Web.pdf)

#### *8 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:

- (a) Seeks to claim credit for the work or efforts of another without authorization or citation;
- (b) Uses unauthorized materials or fabricated data in any academic exercise;
- (c) Forges or falsifies academic documents or records;
- (d) Intentionally impedes or damages the academic work of others;
- (e) Engages in conduct aimed at making false representation of a student's academic performance; or
- (f) 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.

### Assessment indicators (tentative)

<i>Tasks</i>	<i>counts</i>	<i>points</i>	<i>notes</i>	<i>Weight</i>
Midterm	1	100	I may split the midterm into multiple parts.	20%
Final	1	150	I may split the final into multiple parts.	30%
Online Homework	varies	varies	You will do multiple online homework assignments (HWs).	27%
Other assignments	varies	varies	It may include Handwritten homework (HHWs), discussions, quizzes, etc.	20%
Required Meetings	1	10	Individually (more information will be given later).	1%
Course reflection	1	10	You will write a course reflection.	2%
Total		400		100.00

<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 copy by hand an Academic Integrity Statement; failing to finish this task properly will give you an F grade for this course.** I reserve the right to exercise discretion in raising a student's 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 student's 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.

### 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 CBB 190, or email (tlctutor@uwsp.edu), or call (715) 346-3568.

<b>What</b>	<b>Location</b>	<b>Schedule</b>	<b>Cost</b>
STEM Drop-In Tutoring	CBB 190	No appointment needed – stop by when tutors are available: <a href="https://www.uwsp.edu/tlc/Pages/dropInTutoring.aspx">https://www.uwsp.edu/tlc/Pages/dropInTutoring.aspx</a> .	Free

### 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. MATH 338 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 your time to watch the videos and read the text or ppt, **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.**

**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. Some assignments may be due on weekends (the goal is to give people more flexibility), however, you are given sufficient time to finish them during weekdays (and before the deadlines). You should try your best to finish assignments early enough so when you have difficulties you have enough time to ask for help.
5. Sometimes, you may see my comments on your assignments on canvas, please do not comment back as I won't be able to see it (canvas did not notify me). If you reply to my comment, please email me instead.
6. I will try to reply to your emails soon, but please do not expect me to reply to your email on 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 the evenings, 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).
7. If you identify any errors, or if you have any questions, confusions regarding any aspect of this course, please contact me immediately. It is nearly impossible to make a perfect course, but I will try my best to address your issues and help you make progress on learning.
8. The syllabus's content may be included in quizzes or tests.
9. The integration of third-party software (myopenmath.com) for online homework may not be smooth sometimes. If you have any questions about the online homework questions, please let me know. And I will explore it and try my best to help.
10. The syllabus is tentative, and I reserve the right to interpret and revise it.