



Number Sense for Teaching

Course Syllabus and Policies

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Instructor Information

Name:	Dr. Sloan Despeaux	Office:	464C Stillwell
Email:	despeaux@email.wcu.edu		

(Another contact you could use is 828.227.7245. This is our department number. Please use only in emergencies.)

You are welcome to call me Dr. Despeaux or Professor Despeaux. I use she/her/hers pronouns.

Office Hours

You may book virtual office hours with me to discuss anything you need by sending me an email. We can work out a time that works. The link for my zoom office hours are: <https://wcu.zoom.us/j/862417091>

Course Meeting Times and Locations

Week 1: Jan 3-7. Synchronous times on Zoom: 5-7PM MTThF (all 5 weekdays) plus daily asynchronous work.

Week 2: Jan 10-14. Synchronous times on Zoom: 5-7PM MTThF (all weekdays except Wednesday) plus daily asynchronous work.

Week 3: Jan 17-21. Synchronous times on Zoom: 5-7PM MTThF (all weekdays except Wednesday) plus daily asynchronous work.

Everyone will meet on Zoom. Use <https://wcu.zoom.us/j/86295863162> to attend. You will be expected to actively participate (camera on), especially during our breakout room sessions.

Course Description

A study of mathematical topics including number theory, operations, fractions, and proportional reasoning necessary for teaching elementary and middle grades students. Three semester hours.

Learning Outcomes

On completing the course, a successful student will be able to:

- Learn to use words, symbols, and techniques of mathematics with precision so as to communicate concepts and ideas correctly and clearly.
- Experience the satisfaction of mathematics discovery, which stimulates curiosity, initiative, confidence, and interest in mathematics.
- Develop patterns of reasoning which enable one to investigate unfamiliar situations.
- Develop understanding and appreciation of the structure of the number system, elementary number theory, and proportional reasoning.

- Develop an ability to organize mathematics experiences as a means of discovery rather than presentations of a fixed set of facts and procedures.

Course Materials

<p>Required Software</p>	<p>Zoom We will use Zoom for our synchronous meetings. Make sure that when you enter your name to join a meeting that you enter your preferred first name and last name. You don't need to sign up for Zoom to join the meetings.</p> <p>Desmos.com We will use this software weekly. It is important that you sign up (for free) on Desmos.com and consent to them storing your saved work. Use your preferred first name and last name when you sign up.</p> <p>Microsoft WORD and EXCEL will be used in this class. You can download all Office 365 products for free as a student at WCU.</p>
<p>Canvas</p>	<p>Canvas is the main portal for our class. All information will be posted on Canvas. Please visit our Canvas course page frequently.</p>

CONCEPTUAL FRAMEWORK

The professional education program at Western Carolina University fulfills its mission by creating and nourishing a community of learners guided by knowledge, values, and experiences. The guiding principles of this community include the belief that the best educational decisions are made after adequate reflection and with careful consideration of the interests, experiences, and welfare of the persons affected by the decisions; appreciation of and respect for diversity; and the fostering of the responsible use of technology.

JAMAICAN RELEVANCY

Because few resource rooms exist in Jamaican schools to address the needs of students with mild disabilities (learning disabilities, ADHD, slow learners, poor readers, etc) general education teachers are faced with addressing the needs of a diverse group of students with multiple learning and emotional needs. Students will be exposed to multiple views and interpretations of mathematical operations, place-value systems, and mathematical algorithms. Moreover, they will be exposed to multiple problem-solving techniques and inquiry-based learning. In classroom discussions and in their unit reports, the class will reflect on how learning a variety of views, interpretations, and techniques can help them reach a wide spectrum of learners.

DIVERSITY STATEMENT

The professional education unit at Western Carolina University defines diversity broadly to include exceptionalities, race, ethnicity, culture, religious background, gender, linguistic differences, socioeconomic level, and any of the other ways our society defines human and group differences, including age, geography, sexual orientation, and national origin.

Digital Access and Technological Equity

This is an entirely online course. Digital technology such as a smart phone or computer is a necessary component to success in this class. You will need digital technology to attend synchronous online classes, watch videos, complete activities, submit work, take assessments, communicate with me and other students, access what to do each week, get recognized for attendance, and meet with tutors or seek supports. I recognize that there are many very valid reasons you may be having difficulty with technology. If you are having difficulties with technology that are disrupting you from being successful in this course, please let me know as soon as you can. It will help me troubleshoot the situation with you so that you can get back on track.

To be successful in this course you will need frequent access to a computer and the internet. Additionally, having a smart phone may be helpful but not necessary unless your computer doesn't have a microphone or webcam. To minimize costs to you, I will not require you to print anything for this class. I will also not require you to purchase a graphing calculator. All online resources we use will be free though you may have to register on some sites (also free to do). Wherever possible, I will make videos short and compressed so that they will be easy to download and view. This course uses a variety of Web resources that require a good Internet connection and an up-to-date browser.

Please check that you meet the following computer requirements :

- Use a WCU recommended standard-supporting browser (e.g., Chrome or Firefox) from the past few years. View [WCU Browser Support](#) to learn which desktop browsers and versions are supported. Safari, Internet Explorer and Edge are NOT recommended browsers.
- View additional information regarding [Campus Computer Specifications](#).
- Some takeaway documents and other resources in this course are provided in PDF format. If you don't have a reader, you will need to install one to view these documents. Visit Adobe's site to download the [Adobe Acrobat Reader DC software](#).

Attendance Policy

Attendance at our Zoom meetings is highly recommended. Attendance is part of your grade (30 points for each daily meeting).

- If you cannot make a daily meeting on Zoom, in order to get attendance points, you will be expected watch the Zoom lecture recording and submit any activities we by Sunday at midnight of that week. You will also need to submit a copy of the notes that you took while doing the activity (1 page minimum).

The remainder of the class is asynchronous and attendance policies don't apply to that portion.

Scholarly Norms

Civil Discourse and Community Excellence at WCU

Consistent with WCU's core values and our campus creed, the WCU community accepts the freedoms and responsibilities of our shared community. WCU encourages all to clearly express their own views while at the same time seeking to understand the varieties of style, identity, and opinion that are held in any diverse community. In order for us to sustain a learning environment that promotes and values freedom of expression, we have a shared charge to accept personal responsibility for our actions, reactions, and speech, while seeking to learn from the actions, reactions, and speech of others.

The diverse perspectives encountered at WCU are an important part of the preparation of students for roles as regional, national, and global leaders who contribute to the improvement of society. It is expected that members of the WCU community will not only coexist with those who are different from themselves, but also nurture respect and appreciation of those differences. We encourage civil discourse as a part of the learning enterprise, and as a campus we do not tolerate harassing or discriminating behavior that seeks to marginalize or demean members of our community.

Classroom Expectations

Here are some good practices for our "classroom" and for being successful in this class.

1. When on Zoom, mute yourself unless you need to speak but turn on your video of yourself whenever possible.
2. Ask questions, always.
3. Don't be afraid to be wrong. Part of learning is pushing yourself in this area. We are all wrong sometimes. Take it in stride.
4. Stay on track. Do the required work each week. Don't delay completing items because they will just stack up.
5. Schedule a one-on-one time with me if you need to.
6. Check Canvas every day for items that are due that day.

Grading Information and Policies

Each day you will be responsible for the following activities that serve in place of face-to-face classes and their outputs:

Activities we will do:	What To Submit:
1. Attend a 2-hour daily synchronous	Complete a DESMOS activity in groups.

Zoom class.	<p>This will be something we complete together in class. If you miss class, you will need to watch the Zoom video and submit your activity on your own along with notes.</p> <p>You will also work through math questions together. This will be something we complete together in class. If you come to class, there is nothing to submit (you will be expected to actively participate with your camera on). If you miss class, you will need to complete and submit all answers to these assigned math questions.</p>
2. Complete Asynchronous Desmos Interactive Activities (around 50-60 minutes each)	As you work on this <u>Desmos activity</u> each day and you are signed in on DESMOS, your work will be saved automatically.
3. Complete Unit Reports. Due Sundays (January 9 th , 16 th , and 23 rd) at midnight.	You may type or handwrite your answers. Submit a .pdf . We will talk about how to do this in class.

Weighted Grades

Grades will be based on the following distribution. Grading rubrics for components will be posted on Canvas.

Activity	Points Per Activity	Total Points
Unit Reports (3 of these)	200 pts each	600
Daily Zoom Class 5PM-7PM (13 meetings)	20 pts each	260
DESMOS Asynchronous Activities (14 of these)	10 pts each	140
Total		1000

Your final grade will be based on a 1000-point scale. Grades will be determined by the following points:

A- 900-929 points	A 930-969 points	A+ >969 points
B- 800-829 points	B 830-869 points	B+ 870-899 points
C- 700-729 points	C 730-769 points	C+ 770-799 points

D- 600-629 points	D 630-669 points	D+ 670-699 points
	F < 600 points	

Late Submissions

Desmos asynchronous activities may be submitted late (meaning after the due date), but you will have to include a short reflection with this submission through Canvas. Late unit reports may be accepted, but **you must communicate with Dr. Despeaux and** late submissions will be subject to a grade penalty. *In order to succeed in this class, it is very important to not get behind and take all of the due dates very seriously.*

Academic Integrity Policy

WCU has an academic honesty policy that is enforced in this course. That policy is copied below from the university catalog. The procedure for handling cases of allegations of academic dishonesty are in the university catalog immediately after the statement of the policy.

Students, faculty, staff, and administrators of Western Carolina University (WCU) strive to achieve the highest standards of scholarship and integrity. Any violation of the Academic Integrity Policy is a serious offense because it threatens the quality of scholarship and undermines the integrity of the community. While academic in scope, any violation of this policy is by nature, a violation of the Code of Student Conduct and will follow the same conduct process (see Article VII.B.1.a.). If the charge occurs close to the end of an academic semester or term or in the event of the reasonable need of either party for additional time to gather information timelines may be extended at the discretion of the Department of Student Community Ethics (DSCE).

Violations of the Academic Integrity Policy include:

Cheating - Using or attempting to use unauthorized materials, information, or study aids in any academic exercise.

Fabrication - Creating and/or falsifying information or citation in any academic exercise.

Plagiarism - Representing the words or ideas of someone else as one's own in any academic exercise.

Facilitation - Helping or attempting to help someone to commit a violation of the Academic Integrity Policy in any academic exercise (e.g. allowing another to copy information during an examination).

Please note that Faculty members have the right to determine the appropriate sanction(s) for violations of the Academic Integrity Policy within their courses, up to and

including a final grade of “F” in the course. Further details regarding the Academic Integrity and the reporting process can be found via the link below:
<http://www.wcu.edu/experience/dean-of-students/academic-integrity.aspx>

Student Support

There are many types of support structures available to you. The following is a non-comprehensive list of some resources. I invite you to talk to me about where you can get support and if I don't know, I will help you to find the answers.

Academic Support

Tutoring for Distance Students

For distance students, tutoring support is available through Brainfuse HelpNow:
<https://www.wcu.edu/apply/distance-online-programs/current-students/tutoring-support.aspx>

Accommodations for Students with Disabilities

Accommodations for Students with Disabilities: Western Carolina University is committed to providing equal educational opportunities for students with disabilities. The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights for persons with disabilities. Among other things, this legislation requires that students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Office of Accessibility Resources located in Killian Annex or call 828-227-2716. For additional information, visit <http://go.wcu.edu/oar>

Technology Support

WCU offers many technological resources to you as a student including:

- Free software Microsoft Office 365 including WORD, EXCEL, PowerPoint and other programs for [download](#) on your personal device and for [cloud-based](#) use;
- Free remote support for those who study at a distance at [IT Help Desk](#);
- [YouTube tutorials](#) from the WCU Technology Commons on how to do install certain items on your computer/cell phones;

Other WCU and Community Support

WCU Counseling and Psychological Services (CAPS)

College students often experience issues that may interfere with academic success such as juggling responsibilities, relationship concerns, sleep problems, or feelings of anxiety, hopelessness, or depression. There are many resources on campus to assist you in managing your academic and emotional wellbeing. We encourage you to take advantage of these resources. However, if you find yourself struggling and you need professional support, please contact Counseling & Psychological Services

(CAPS). Students must call 828-227-7469 to schedule an appointment with the main office during normal business hours (Monday through Friday, 8am-5pm). For after-hours and weekend care, call 828-227-7469 and follow the prompts. Additionally, you may call the Western NC 24-hour crisis line at 888-315-2880 or the Suicide Prevention Lifeline at 800-273-8255. For more information about the services CAPS offers, visit <https://www.wcu.edu/experience/health-and-wellness/caps/index.aspx>.

Intercultural Affairs

Intercultural Affairs (ICA) works with all members of the University to provide a campus environment where students from different backgrounds and culture groups feel appreciated, respected and valued. Through educational, social, and leadership programs, ICA promotes inclusive values of social justice and human dignity while preparing students to thrive in a diverse and interconnected world.

<https://www.wcu.edu/experience/intercultural-affairs/>

Military Student Support Services

Western Carolina University is committed to providing exemplary support to members of the military and veterans, their spouses, and their college-aged children. Please contact Briana Ford, Director, Military Student Services, at blford@wcu.edu.

Course Evaluation

You are encouraged to complete the on-line course evaluation named CourseEval as well as the Mathematics and Computer Science Departmental in-class course evaluation near the end of the course.

Syllabus Updates

This syllabus, with my planned course schedule, is based on the most recent information about the course content and its students. Its content is subject to revision as needed to adapt to new knowledge or unanticipated events. Updates will remain focused on achieving the course objectives and students will receive notification of such changes. Students will be notified of changes and are responsible for attending to such changes or modifications as distributed by the instructor or posted to Blackboard.

Course Recording and Broadcasting

Zoom meetings of this course will be broadcast and/or recorded. Broadcasting and recording are intended to complement the classroom experience. I will record our Zoom meetings and broadcast and/or record courses for pedagogical use, student reference, to meet the accommodation needs of students with a documented disability, or any other reason deemed appropriate by me. Course recordings will be available to students registered for the course pursuant to applicable university policy. All broadcasts and recordings are limited to personal, course related, educational use and may not be transmitted, transferred, distributed, sold, or posted on social media outlets

without my written permission. Unauthorized transmission, transfer, distribution, sale or posting of the broadcast and/or recording for any purpose other than the student's personal, course related, educational use is not permitted. Students are expected to follow appropriate university policies and maintain the security of passwords used to access recorded materials.

Zoom recordings will only be of the speaker view, however, the recordings will capture any audio from students.