



School of Science and Technology

MATH 2008 Section 03 (22860)

Foundations of Numbers Op.

2026 Spring

Course Description and Prerequisites

Prerequisite: MATH 1111, MATH 1001 or MATH 1113. This course is an Area F introductory mathematics course for early childhood education majors. This course will emphasize the understanding and use of the major concepts of numbers and operations. Additional topics may include geometry, data analysis and probability, problem solving, logic, statistics, and measurement. As a general theme, strategies of problem solving will be used and discussed in the context of various topics. Upon completion of this course, early childhood education students will be able to: 1) Solve problems using multiple strategies, manipulatives, and technological tools; interpret solutions; and determine the reasonableness of answers and efficiency of methods (IEE 2, IEE 3); 2) Communicate using precise mathematical terminology (IEE 1); 3) Construct and justify arguments as well as interpret solutions; and determine reasonableness of answers and efficiency of methods; 4) Understand numbers, ways of representing numbers, relationships among numbers, and number systems; 5) Understand meanings of operations and how they relate to one another.

Course Outcomes

(1) Solve problems using multiple strategies, manipulative and technological tools; interpret solutions; and determine the reasonableness of answers and efficiency of methods (IEE 2, IEE 3); (2) Communicate using precise mathematical

terminology (IEE 1); (3) Construct and justify arguments as well as interpret solutions; and determine reasonableness of answers and efficiency of methods; (4) Understand numbers, ways of representing numbers, relationships among numbers and number systems; (5) Understand meanings of operations and how they relate to one another.

School Information

Vision Statement

The School of Science and Technology (SST) will become recognized in the region and the state for excellence in STEM education at an open access institution. SST faculty will provide effective and relevant courses and programs in science, math, and technology which are characterized by interdisciplinary learning, novel use of educational technology, and an active learning environment that stimulates critical thinking.

Mission Statement

The School of Science and Technology is committed to providing an innovative outcomes-based learning experience for all students of Georgia Gwinnett College. It provides programs of study in biology, math, exercise science, and information technology that offer its students disciplinary and interdisciplinary courses, as well as practical and applied learning experiences that prepare them for post-graduate schooling or for positions of responsibility in education, business, medicine or government. The SST also provides general education experiences that produce graduates who demonstrate math, science, and information technology literacy, and that foster an understanding of the role of these disciplines in our society and in an uncertain and changing world. The School's faculty maintain competency in their discipline and are knowledgeable of methods of providing innovative active-learning environments.

School of Science and Technology Policies

Class Attendance and Financial Aid

Please be aware that faculty check attendance in each of your courses and are

required to report to the Registrar students who never attend or cease attending a course. Students who are reported as never attended or have ceased attending a course, Financial Aid will be notified and is required to adjust your financial aid award accordingly. If you have any questions about how not attending a course for which you are registered will affect your financial aid eligibility, please contact the Financial Aid Office.

If you feel that you are unable to complete your courses due to illness or family emergency, contact the Registrar's Office to attempt to withdraw from your courses without penalty.

Health & Safety Policy

Certain laboratories include use of strong acids, solvents, and preservatives. Any pregnant women, hypersensitive individuals, or immunocompromised people should report their condition to the instructor and to their physician, preferably before contact with the materials (see lab exercises). Additional instructions for lab will be presented during the first lab. Students are required to follow all instructions. Students failing to conform to lab rules and safety precautions will be first warned by removal from the lab. On second offense, students will be removed from both lecture and lab

Social Media

Follow the School of Science and Technology on Facebook. You will hear about important events and information including Career Services events, scholarships, studies abroad opportunities, summer research opportunities, and employment opportunities.

Faculty Information

Sarah Park

Email: spark3@ggc.edu

Office Hours: Available by request or appointment.

Curriculum Vitae:

[Curriculum Vitae](#)

Class Details

Course Details

MATH 2008 Section 03 (22860)

Course Title: Foundations of Numbers Op.

Credit Hours: 3

Semester Start Date: 01/12/2026 **Semester End Date:** 05/12/2026

Course Start Date: 01/12/2026 **Course End Date:** 05/12/2026

Class Meeting Day(s): TR

Class Times: 1230 - 1345

Modality: In Person

Meeting Location: W-1103

Final Exam Details

The final exam will be given during the week of May 6-12 (Full Session and Session B). The date and time of the final exam is set by the registrar and will be posted at the midpoint of the semester. The exam schedule cannot be changed at the convenience of the student. You should not plan to be absent during that week. A make-up final exam will only be given in cases of a verifiable excused absence.

Required Course Materials

No Textbook required

Course Grading

Grading Scale:

- A (Excellent) 90-100
- B (Good) 80-89
- C (Fair) 70-79
- D (Poor) 60-69
- F (Failure) 59 and below

Grading Category	Percent Weight
Participation & In Class Assignments	20%
Discussion and reply to peers	10%
Homework Assignments	25%
Group Lesson and Teaching Presentation	10%
Exams	20%
Final Exam	15%
Total	100%

Late Work Policy:

- Late Submissions: HW submitted after the deadline will incur a 5% deduction per day, with no maximum limit. Exams submitted late will be penalized 10% per day. Feedback may be delayed for late submissions.
- Please notify Dr. Park in advance if you anticipate submitting an assignment late due to unforeseen circumstances
- Repeated late submissions will require a one-on-one discussion with Dr. Park

Assignment Due Dates

- Homework & Exams: Due Tuesdays by 11:59 PM
- Initial discussion posts: Due Sundays by 11:59 PM
- Discussion Peer replies: Peer replies due Tuesday by 11:59 PM

Grade Drops: At the end of the semester, your lowest grade in each category will be dropped:

- Lowest homework grade
- Lowest in-class assignment grade
- Lowest discussion grade

Important Dates

Dates to Know

Activity	Date
Apply to graduate deadline for Summer 2026	Jan. 1
Tuition due Tuition and Fees Deadlines	Jan. 5
Classes begin (Full Session and Session A)	Jan. 12
Drop/add ends (Session A)	Jan. 15
Drop/add ends (Full Session)	Jan. 18
Martin Luther King, Jr. holiday	Jan. 19
Attendance Verification	Jan. 20
Mid-term grades due (Session A)	Feb. 9
Last day to withdraw with "W" (Session A)	Feb. 12
Mid-term grades due (Full Session)	March 2
Classes end (Session A)	March 4
Final exams (Session A) Final exam schedules (login required)	March 5-6
Spring break	March 8-15
Grades due (Session A)	March 9
Classes begin (Session B)	March 16
Drop/add ends (Session B)	March 19
Last day to withdraw with "W" (Full Session)	March 24
Apply to graduate deadline for Fall 2026	April 1
Mid-term grades due (Session B)	April 9
Last day to withdraw with "W" (Session B)	April 15
Classes end (Full Session)	May 4
Reading day (Full Session)	May 5
Classes end (Session B)	May 5
Final exams (Full Session and Session B) Final exam schedules (login required)	May 6-12
Grades due (Full Session and Session B)	May 14, Noon
Commencement	May 15
Grades available in Grizzly Den within Banner	May 19

Course Outline/Assessments

Please refer to the tentative course schedule for class topics and due dates.

Course Changes

This course syllabus provides a general plan for this course. The Faculty reserves the right to make changes to the syllabus, including changes to assignments, projects, examinations, etc., in order to accommodate the needs of the class as a whole and fulfill the goals of the course.

Expectations

To be successful in this course, you should:

- Read the syllabus in its entirety.
- Attend class daily.
- Arrive on time.
- Be prepared (complete readings and assignments) to engage in class discussions.
- Stow your devices or set them to silent to minimize disruptions.
- Check [MyCourses](#) each day for announcements, content, discussions, assignments, tests, grades, and more.
- Respond to my emails (check [Claw Mail](#) daily) in a timely manner using appropriate language and grammar.
- Use my office hours or schedule appointments to discuss concerns.
- Familiarize yourself with the Student Honor Statement:
We will not lie, steal, or cheat, nor tolerate the actions of those who do.

To support your success, I will:

- Provide office hours or appointment options in the Faculty Information section of the syllabus.
- Respond to your emails in a timely manner (see the Faculty Information section of the syllabus).
- Provide feedback and grades in a timely manner.
- Assist you with locating and engaging with resources provided by the college. This syllabus includes some suggestions. Keep reading for details.

Academic Integrity

Student Honor Statement: We will not lie, steal, or cheat, nor tolerate the actions of those who do.

Georgia Gwinnett College students are expected to adhere to the highest standards of academic integrity and are expected to encourage others to do the same. Further, students are expected to take responsible action when there is reason to suspect dishonesty on the part of others.

Academic dishonesty carries severe penalties ranging from a grade of "0" on the affected assignment to dismissal from Georgia Gwinnett College.

Examples of specific prohibited actions include but are not limited to the following:

1. Academic Misconduct: Performing, attempting to perform, or assisting another in performing any act of academic dishonesty.
2. Cheating: This act of dishonesty includes, but is not limited to, giving information to or taking information from other students during examinations. Cheating is also committed when students copy from unauthorized sources and/or represent some other person's work as their own. Collaboration on out-of-class assignments or examinations is considered cheating if prohibited by the professor. **The use of Artificial Intelligence ("AI"), on any assignment submitted for credit is prohibited unless specifically permitted by the course instructor.**
3. Plagiarism: This category includes copying material from unpublished or published sources, including electronic resources, and submitting that material as the student's own work. Students are responsible for identifying the proper source and for giving credit to that source anytime that they present ideas which are not their own.
4. Unauthorized Use or Possession of Materials or Resources: Students must not use or possess unauthorized materials or resources in an academic

activity.

5. Collusion: This act of dishonesty includes, but is not limited to, buying or selling material that can be misrepresented as a student's own work. In addition, students who fail to report known acts of academic dishonesty on the part of others may be held responsible for collusion.
6. Previously submitted material: Students may not submit work that has been or is being concurrently submitted, in whole or in part, in another class without first having received permission to do so from all the professors involved.
7. Misrepresentation or falsification of material: This act includes, but is not limited to, misrepresenting, fabricating, or altering academic material. In addition, students must not take an examination or test in the name of another student or present another student's work as their own.
8. Misrepresentation of circumstances: Students must not misrepresent personal circumstances (e.g., illness, conflicting responsibilities, etc.) to avoid meeting academic responsibilities or to gain an academic advantage.

All violations of the Academic Integrity Policy shall be resolved via the Faculty Adjudication Process and/or the Formal Resolution (Student Conduct Board hearing through the Dean of Students Office) as outlined in the [Academic Integrity Policy for Academic Dishonesty Matters \(Policy 4.1.1.1.2\)](#). Students may appeal a penalty as outlined in the [Student Handbook](#) Section 4.6.5, Student Code of Conduct.

Artificial Intelligence

All students should be familiar with the college's policy on [Acceptable Use of Artificial Intelligence \(AI\) for Academic and Administrative Purposes](#) and the [Academic Integrity Policy for Academic Dishonesty Matters](#).

For this course, my expectation regarding the use of Artificial Intelligence (AI) is as follows:

Option 1: **AI Use Prohibited**

Suggested Syllabus Statement: “The use of artificial-intelligence (AI) tools – including but not limited to text, image, video, or code generators, research assistants, or problem-solving systems – is strictly prohibited for every assignment, quiz, exam, discussion, or draft in this course. All submitted work must be wholly your own, produced without AI assistance. Submitting AI-generated or AI-assisted work constitutes academic misconduct under the college's Policy on Academic Integrity. If you are unsure whether an action constitutes AI use, ask me before proceeding.”

Option 2: **AI Use Permitted Only in Certain Cases**

Suggested Syllabus Statement: “The use of artificial-intelligence (AI) tools – including but not limited to text, image, video, or code generators, research assistants, or problem-solving systems – is prohibited unless the instructions for a particular assignment, activity, or assessment state otherwise. Unauthorized use of AI may constitute academic misconduct under the college's Policy on Academic Integrity. If you are unsure whether an action constitutes AI use, ask me before proceeding.”

Option 3: **AI Use Permitted Unless Stated Otherwise**

Suggested Syllabus Statement: “The use of artificial-intelligence (AI) tools – including but not limited to text, image, video, or code generators, research assistants, or problem-solving systems – is permitted unless the instructions for an assignment, activity, or assessment explicitly state otherwise. Unauthorized use of AI may constitute academic misconduct under the college's Policy on Academic Integrity. If you are unsure whether an action constitutes AI use, ask me before proceeding.”

Attendance Policy and Absences

Attendance is a strong indicator of success in this class! Please plan to attend all class sessions and be on time. If you must be absent, please review the [college's attendance policy](#).

It is a best practice to inform me when you must be absent (see my preferred communication method) and discuss the option(s), if any, to make up missed assignments, tests, exams, etc. You do not have to share why you are absent with me directly. If you wish to provide documentation needed for the absence to be considered excused, you may [submit this to the Dean of Students](#), and they will work with you and me.

Complaints and Grade Appeals

If you have course-related issues, please schedule an appointment to meet with me. (See the Faculty Information above for contact details). If we are unable to resolve the issue you may contact the department chair. You may seek further assistance, if needed, through the Dean's office. The college also offers you the option to [file a written student complaint](#).

[Final grade appeals may also be filed](#) if you believe there is an error.

The student complaint process and the grade appeal process are both outlined in the [Student Handbook](#).

Learning Resources

The college offers services and resources designed to help you succeed.

[Academic Enhancement Center \(AEC\)](#)

The AEC provides [in-person tutoring](#), online tutoring via [Tutor.com](#), and structured study sessions known as [Peer Supplemental Instruction](#) (PSI), as well as academic coaches who can advise you on study, test-taking, and time management skills.

Kaufman Library

The Kaufman Library is home to [full-text articles](#), [e-books](#), [reports](#), [statistics](#), and [videos](#). The [librarians and library staff](#) are available to assist you with locating resources, research needs, course assignments, and more.

Disability Services

Disability Services provides reasonable accommodations to ensure accessible educational and social environments. If you believe you require an accommodation, [initiate a request for services](#).

Information Technology

You may contact the [Help Desk](#) if you experience issues with using the technology needed for this course. [Software](#), including [Microsoft Office 365](#) and [Adobe Express](#), is available for your use in [computer labs](#) and classrooms. If you need access to a laptop, the college offers a limited quantity, [need-based laptop loaner program](#).

Access and Accommodations

Access and Accommodations

It is important that all students have equal access to the classroom and their education. If you have already established accommodations with [Disability Services](#), please provide me with your Faculty Accommodation Notification, with your approved accommodations listed at your earliest convenience.

If you have not yet established services through Disability Services (located in D-1404), but have a permanent disability (such as, but not limited to: mental health, attention-related, learning, vision, hearing, physical, or health impacts), or a temporary condition that requires accommodations, you are encouraged to contact Disability Services at 678-407-5195 or disabilityservices@ggc.edu.

Disability Services offers resources and coordinates reasonable accommodations

for students with disabilities and/or temporary health conditions. Georgia Gwinnett College is committed to creating an inclusive and accessible learning environment consistent with federal and state law.

Pregnancy and Pregnancy-Related Conditions Accommodations Under Title IX

GGC is committed to compliance with Title IX and to supporting the academic success of pregnant students and students with pregnancy-related conditions (pregnancy, childbirth, loss of pregnancy, lactation, and all related medical conditions or recovery).

Students experiencing pregnancy or pregnancy-related conditions may request reasonable accommodations, including but not limited to excused absences, making up missed assignments, restroom breaks, a larger desk, lactation breaks, access to lactation spaces, etc. To request pregnancy-related accommodations, students should contact the Office of Disability Services (email: disabilityservices@ggc.edu; phone: 678-407-5883) or the [Office of Equal Opportunity and Title IX Compliance](#) (email: TitleIX@ggc.edu; phone: 678-407-5085).

Students who believe they have been subject to discrimination or harassment because of their pregnancy status or pregnancy-related condition(s) may file a complaint with the Office of Equal Opportunity and Title IX Compliance.

Well-being and Safety

The college offers many resources and services to support your physical and emotional well-being in a safe environment.

Student Emergency Assistance Programs

Our emergency assistance programs include:

- [Care Pantry](#)
Provides food and necessities to students experiencing financial constraints.

- [Grizzly Thrift](#)

Provides access to free clothing for students.

[Health and Wellness Programs](#)

Health Services offers a variety of services to help you stay well.

- [Medical Services](#)

Provides care for minor injuries and illnesses, diagnostic testing, immunizations, and basic over-the-counter medications.

- [Counseling and Psychological Services \(CAPS\)](#)

Provides mental health services.

- [Wellness and Recreation](#)

Provides workout facilities, fitness classes, and intramural sports.

[Disability Services](#)

Disability Services provides reasonable accommodations to ensure accessible educational and social environments. If you require an accommodation, [initiate a request for services](#).

Safety and Security

[Public Safety](#) offers many services to help you stay safe on campus, including safety escorts.

You'll want to stay informed about [campus closures and other safety-related notifications](#) via [Rave Alert](#).

Grizzly Care Team

The [Grizzly Care Team](#) brings together professionals from across the college to help you or other members of the college community who may pose a threat to the safety of the college community or an individual. If you see someone experiencing challenges, appearing distressed, posing a threat to their safety or someone else's safety, or causing a significant disruption to the GGC community, please [submit a Grizzly Care Team referral](#).

Equal Opportunity and Non-Discrimination Statement

Notice of Non-Discrimination

Georgia Gwinnett College is committed to providing a learning, working, and living environment that promotes personal integrity, civility, and mutual respect and is free of all forms of discrimination and harassment. In accordance with applicable law and Georgia Gwinnett College's Non-Discrimination and Anti-Harassment Policy, Georgia Gwinnett College prohibits discrimination on the basis of an individual's race, color, sex (including sexual harassment, marital, parental, and pregnancy status), sexual orientation, gender identity, gender expression, ethnicity or national origin, religion, age, genetic information, disability, creed, or veteran status ("protected status"), or any other protected status or characteristic as defined by law, in its programs and activities. No individual shall be excluded from participation in, denied the benefits of, or otherwise be subjected to unlawful discrimination, harassment, or retaliation under any GGC program or activity because of the individual's protected status.

Georgia Gwinnett College is an equal employment, equal access, and equal educational opportunity institution. It is the policy and practice of our institution to recruit, hire, train, promote, retain, and educate persons without regard to their protected status, as required by applicable state and federal laws (including Title VI, Title VII, Title IX, ADA, Sections 503 and 504 of the Rehabilitation Act, and Executive Order 11246).

Any individual who feels that they may have been discriminated against should contact the Equal Opportunity and Title IX Compliance office at titleix@ggc.edu or **678-407-5085**.

Students requiring disability related accommodations, please contact [Disability Services](#).

The following person has been designated to handle inquiries regarding the non-discrimination policies:

Sharon Stellato, J.D., Interim Title IX Coordinator

Building B, Suite 3700

678.407.5085

TitleIX@ggc.edu

For more general information, please visit the [Equal Opportunity and Title IX Office's website](#).

Sexual Misconduct Statement

Title IX prohibits discrimination on the basis of sex in education programs or activities operated by recipients of Federal financial assistance. Georgia Gwinnett College is committed to creating a safe learning environment for all members of our community, free from gender and sex-based discrimination, including sexual harassment, domestic and dating violence, sexual assault, and stalking, in accordance with Title IX of the Education Amendments of 1972. If you or someone you know is experiencing any of these behaviors, the College has staff and resources on campus to support and assist you. For a list of resources, please visit [Sexual Misconduct Resources](#).

Please note that the [Title IX/Sexual Misconduct Policy 4.1.7](#) designates all faculty members, including teaching assistants, as "Responsible Employees." Under GGC's Title IX/Sexual Misconduct Policy, all "Responsible Employees" must report all disclosures of sex or gender-based discrimination or violence to GGC's Title IX Coordinator. The Title IX Coordinator will reach out to provide resources, support, and information after receiving a report, but community members are not required to respond to such outreach. Reported information will remain private.

If you have (or someone you know has) experienced any form of sex or gender-based discrimination or violence and wish to speak with someone confidentially, please contact GGC's Title IX Coordinator at TitleIX@ggc.edu or 678-407-5085. For more information regarding GGC's Title IX procedures, reporting, or support measures, please visit the [Equal Opportunity and Title IX Compliance office's website](#).