



apologia.

LIVE CLASSES

Fundamentals of Math

Mrs. Katie Pennington

Syllabus

2024-2025

Description:

Fundamentals of Math introduces a scope of subjects, and lays a solid foundation for higher level math courses. With this solid foundation, students will be able to excel in pre-algebra, which will provide a smooth transition to high-school math. Students will explore decimals, fractions, integers, area and volume, statistics, and more. Problem-solving and real-life uses of math are featured in each chapter.

Although it is important for the students to understand, memorize, and be able to apply the theorems that are learned in this course, the most important aspect is to understand the application of mathematics from a Biblical worldview, and develop a greater desire to serve God and others. Therefore, this course will be taught with the application of biblical principles throughout, always using mathematics to point us back to our Creator.

Prerequisites:

None.

Course Materials:

- BJU Press. ***Fundamentals of Math Student Text. 2nd ed.*** Greenville, SC: BJU Press, 2016. (ISBN: 978-1-62856-072-5) - The print or e-text is fine.
- **Lined Notebook** - You will need a couple of lined notebooks for this class.
- **The ability to scan/upload assignment work as a PDF** - It is expected that all work be displayed clearly in an organized fashion. In class, I will show you how I expect you to display your work for different problems. You will be required to complete your work using pen and paper and,

therefore, will need some way of scanning/uploading your assignment. You can do this one of two ways:

- If you have a smartphone or tablet with a camera, you can get the FREE Adobe Scan App. It is available on Android and Apple smartphones. This powerful app allows you to take a picture of your handwritten work and automatically converts it into a PDF. From there, you can email the document to yourself to access it on your computer for upload.
- You can use a modern scanner or printer to scan multiple pages to your computer and save them as PDFs.

Course Progression:

The best way to understand this course material is to have students read the textbook and work problems on their own. Repetition is the best way to make the material stick. After they have done this, they should come to the classes and treat it as a review and an opportunity to ask questions and clarify difficult material.

Date	Lecture Plans
Aug 19-23	Sections 1.1-1.4
Aug 26-Aug 30	Sections 1.5-1.9
Sept 2-6	Sections 2.1-2.4
Sept 9-13	Sections 2.5-2.9
Sept 16-20	Sections 3.1-3.4
Sept 23-27	Sections 3.5-3.9

Sept 30-Oct 4	Sections 4.1-4.5
Oct 7-11	Sections 4.6-10
Oct 14-18	Sections 5.1-5.4
Oct 21-25	Sections 5.5-5.9
Oct 28-Nov 1	Sections 6.1-6.3
Nov 4-8	Sections 6.4-6.6
Nov 11-15	Sections 7.1-7.4
Nov 18-22	Sections 7.5-7.8
Nov 25-Nov 29	No Class-Thanksgiving Break
Dec 2-6	Sections 8.1-8.4
Dec 11-15	Sections 8.5-8.9
Dec 16-20	No Class-Christmas Break
Dec 23-Dec27	No Class-Christmas Break
Dec 30-Jan 3	No Class -Christmas Break
Jan 6-10	Sections 9.1-9.4
Jan 13-17	Sections 9.5-9.8
Jan 20-24	Sections 10.1-10.4
Jan 27- Jan 31	Sections 10.5-10.8

Feb 3-7	Sections 11.1-11.4
Feb 10-14	Sections 11.5-11.8
Feb 17-21	Sections 12.1-12.4
Feb 24-Feb 28	Sections 12.5-12.9
Mar 3-7	Sections 13.1-13.4
Mar 10-14	Sections 13.5-13.7
Mar 17-21	Sections 14.1-14.4
Mar 24-March 28	Sections 14.5-14.8
Mar 31-Apr 4	Review For Final Exam
Apr 7-11	Review For Final Exam

Assignment Structure:

Assessment	Percentage of Total Grade
Textbook Reading & Attendance	15%
Homework Assignments	25%
Quizzes	25%
Unit Exams	35%

Textbook Reading & Attendance: To receive the weekly points for textbook reading and attendance, students will answer the attendance questions found under each week's heading in the Canvas portal. Inside the attendance heading, students will state whether they watched the recording, and also if they read the assigned material for that week. This is on the honor system, and students are expected to be truthful.

Homework Assignments: Problems will be handpicked from the textbook for each lesson as homework. These problems will be under the 'exercise' section in your book. It is required to complete these problems after each lesson to practice what was discussed in the lesson. Each week, students will be asked if they completed the homework. It will be a true/false question. It is very important that the student complete this homework, as quiz questions, exam questions, and the midterm and final exams will be based on these exercises. It will be on their honor to indicate whether or not they completed it.

Quizzes: There will be a short quiz due each Friday (unless otherwise specified). These quizzes will be timed, and consist of a few problems from the material covered for that week. Their purpose is to provide an opportunity for the student to demonstrate his or her comprehension of the material. Students are to complete them using the appropriate activity on the Canvas course page. **For full credit, all work must be uploaded and clearly display each step in the process of reaching their answer.** If I cannot see how an answer is achieved from the work given, even if the answer is correct, full credit will NOT be given.

Unit Exams: There will be an examination at the end of each unit (unless otherwise specified). These will be longer than the weekly quizzes, and will be different, but similar, to the exams found in the book. Students should use

their book, exercises, and quizzes to study. **These will be closed book exams, and all work must be uploaded and should clearly display in the process of reaching their answer.** If I can't see how the answer was achieved from the work given, even if the answer is correct, full credit will NOT be given.

Due Dates and Late Policy:

Students are encouraged to print a copy of the weekly assignments for personal reference. They should either keep it with their math materials or tape it to a wall near their workstations.

Students are responsible for keeping track of all scheduled due dates and are responsible for any changes announced during lectures and/or on Canvas. The instructor reserves the right to change due dates at any time but must give students notice at least one week prior.

All deadlines are 11:59 p.m. Eastern Standard Time (EST). A late penalty of 10% will be applied for every additional **week** that an assignment/exam is late. Parents can request extensions via email for situations beyond the student's control. All extension requests must be received by Friday at 5 p.m. EST (Family emergencies are an exception). If an extension is requested, please explain the situation in the email. If the extension is approved, all late penalties will be waived. Students with extensions should post an exam comment with a reminder of the granted extension.

Class Canvas Portal:

Students will access the course through the Canvas course portal:
<https://apologia.instructure.com/>.

Weekly Live Lecture:

One prerecorded, 15-minute class is posted daily Monday – Thursday.

Conduct & Academic Dishonesty:

The online class environment requires special rules to minimize distractions and enable everyone to maximize the benefit of attending class. As the instructor, it is my role to provide the best learning environment possible. My rules include:

1. Treat my classroom as if we were in a physical classroom together.
2. Do not talk or type while I am lecturing unless you have a question or we are having a class discussion.
3. If you have a question during class, please type a (?) into the chatbox. Have your question already typed out so that your question is ready to send when I call on you.
4. Do not multitask during lectures. This includes the use of mobile devices/tablets, playing games, using social media, or anything online.
5. If you must leave early, please private message me on Adobe Connect before exiting.
6. If you join the meeting late, please do not disrupt the lecture with messages. It will be your responsibility to watch the recording to catch up on missed material later.
7. Come to class prepared! Before class, read the current module in the textbook, and bring your textbook, notebook, pen, and calculator to every class.

8. Please do not abuse the emotes on Adobe Connect.

9. Remember, these lectures are recorded. Use conversation that is appropriate and on topic.

10. Students should select a display name on Adobe Connect that consists only of their first name and last initial for privacy reasons.

Help and Questions Outside of Live Class:

I can be reached directly by email at mrspennington@apologia.com if personal issues or questions arise that cannot be posted to the entire class discussion on Canvas. The best time to contact me via email (for the fastest response) is Monday through Friday from 12 p.m. to 2 p.m. You can email me anytime, though, and I will get back to you within 12-24 hours. I will do my absolute best to get back to you ASAP.