**WAYLAND BAPTIST UNIVERSITY**

**Virtual CAMPUS**

**SCHOOL OF MATHEMATICS & SCIENCES**

### **Wayland Mission Statement**:

Wayland Baptist University exists to educate students in an academically challenging, learning-focused and distinctively Christian environment for professional success and service to God and humankind.

### **Course Title and Number**:

MATH 1303-VC01; Mathematics for Liberal Arts

### **Term:** Fall 2019, Virtual Campus

### **Name of Instructor**: Dr. Charles Nelms

### **Cell Phone Number, Email Address**: 405-820-4575, nelmsc@wbu.edu

### **Office Hours**: Sunday thru Thursday 2:00-5:00, and by appointment

Please note that I am free most evenings and will respond to texts, calls, or emails until as late as 10:00 p.m. Do not hesitate to reach out to me at any time, I will respond as promptly as possible.

### **Catalog Description**:

Practical applications for mathematics with a goal of mathematical literacy. The course will focus on problem solving using critical thinking and concepts from algebra, geometry, and statistics. Topics will include logic, mathematics of finance, statistical reasoning, modeling with linear, quadratic, and exponential functions, and real-world applications of geometry.

### **Prerequisite**:

MATH 1300 (Intermediate Algebra) or Placement (equivalent to Math1304 placement)

**Required Textbook**: Using and Understanding Mathematics: A Quantitative Reasoning Approach. 6th Edition. Jeffrey Bennett and William Briggs. Pearson. 2015. (using MyMathLab online homework)

Important Note: This is a Vitalsource etextbook. You do NOT need a physical copy of the book. You will receive the access code for Pearson’s MyMathLab through a link in Blackboard. You will access MyMathLab through different link in Blackboard where you will then have access to the text and your homework and quizzes. More directions will be available in Blackboard.

### **Supplies**: Scientific Calculator

### **Course Outcome Competencies**:

1. Students will understand the basics of logic and set theory through the use of truth tables and Venn diagrams. They will be able to evaluate the validity of an argument.
2. Students will utilize algebraic techniques necessary for problem solving by modeling with linear, quadratic, and exponential functions.
3. Students will become consumers of statistical information through understanding of sources of data, measures of center and variation, graphical displays of data, and causation.
4. Students will understand and be able to calculate simple and compound interest, annuities, and amortizations as they apply to personal finance.
5. Students will measure and calculate geometrical properties of two and three-dimensional objects to solve practical problems.

### **Statement on Plagiarism and Academic Dishonesty**:

Wayland Baptist University observes a zero tolerance policy regarding academic dishonesty. Per university policy as described in the academic catalog, all cases of academic dishonesty will be reported and second offenses will result in suspension from the university.

### **Disability Statement**:

In compliance with the Americans with Disabilities Act of 1990 (ADA), it is the policy of Wayland Baptist University that no otherwise qualified person with a disability be excluded from participation in, be denied the benefits of, or be subject to discrimination under any educational program or activity in the university. The Coordinator of Counseling Services serves as the coordinator of students with a disability and should be contacted concerning accommodation requests at (806) 291-3765. Documentation of a disability must accompany any request for accommodations.

### **Course Requirements and Grading Criteria**:

Here are some VERY important things to keep in mind as you get underway in the course

1. The majority of the coursework will not be in Blackboard itself, but instead at MyMathLab. There will be a link in Blackboard, etextbook, where you will get your access code for MyMathLab from Vitalsource. You will receive this as part of the fee for registering for the course. Please use the MyMathLab link (right below the Assignments link) to link your Blackboard account with your MyMathLab account. You will have to set up a Pearson account the first time you do this, but afterwards you will be taken directly to your assignments. Only access MyMathLab through Blackboard.
2. As part of this course you will watch a series of lecture videos. These videos will be accessible from the Blackboard site, with links to them found via the assignments section.
3. Both the Midterm and the Final are paper and pencil tests and must be administered by a Wayland-approved proctor.

If you live in a city with a Wayland campus, you must take the tests on that campus, so you do not need to submit a proctor request form. However, you should contact the campus the week before your test to arrange a date and time for you to take the test, to find out where the test will be administered, and to give them the course number (MATH1303-VC01) and instructor name (Dr. Charles Nelms).

For the Plainview campus, contact the Virtual Campus offices at 800-203-9048.

For external campuses, see the listing at [External Campus Contact List](http://www.wbu.edu/about_wayland/campus_locations/) for contact information.

If you cannot take the tests on a Wayland campus, you must have your proctor approved by Wayland before they can administer the tests. The proctor must be approved every term (but only once per term) even if they have proctored tests for Wayland in past terms. Commonly used proctors are librarians holding a Master of Library Sciences, authorized employees at U.S. Military Education centers, and college testing centers (like Sylvan Learning). See the proctor request form for more details.

The proctor request form is located at [Proctor Request Form](https://www.wbu.edu/wbu-online/current-students/proctored-exams.htm). Once the form is filled out, the proctor will receive an email requesting they provide certain information for verification. When the information has been provided, the Virtual Campus will approve or deny the request and will notify both the student and the proctor by email. **This entire process must be completed at least a week before the Midterm**. Do not forget to contact the proctor the week before the test to arrange a date and time and location (and to let them know the course number and instructor name).  
Please email me with any questions you may have: Dr. Nelms’ email: [nelmsc@wbu.edu](mailto:nelmsc@wbu.edu).

**Grading**:

20% Homework

25% Quizzes

50% Exams (Midterm and Final)

5% Discussion Board Participation

A: 90 – 100; B:  80 – 89; C:  70 – 79; D:  60 – 69; F: Below 60

Students shall have protection through orderly procedures against prejudices or capricious academic evaluation. A student who believes that he or she has not been held to realistic academic standards, just evaluation procedures, or appropriate grading, may appeal the final grade given in the course by using the student grade appeal process described in the Academic Catalog. Appeals may not be made for advanced placement examinations or course bypass examinations. Appeals are limited to the final course grade, which may be upheld, raised, or lowered at any stage of the appeal process. Any recommendation to lower a course grade must be submitted through the Executive Vice President/Provost to the Faculty Assembly Grade Appeals Committee for review and approval. The Faculty Assembly Grade Appeals Committee may instruct that the course grade be upheld, raised, or lowered to a more proper evaluation.

### **Course Schedule (All times are for the Central Time zone, so plan accordingly)**:

**Week 1:** August 19 - August 25

Videos and discussions for Sections 1A-1D

Homework Exercises for Sections 1A-1D

Weekly quiz covering Section 1A-1D

Due Sunday at 11:59pm, August 25

**Week 2:** August 26 - September 1

Videos and discussions for Sections 1E, 2A-2C

Homework Exercises for Sections 1E, 2A-2C

Weekly quiz covering Section 1E, 2A-2C

Due Sunday at 11:59pm, September 1

**Week 3:**  September 3 – September 8

Videos and discussions for Sections 3A-3C

Homework Exercises for Sections 3A-3C

Weekly quiz covering Section 3A-3C

Due Sunday at 11:59pm, September 8

**Week 4**: September 9 – September 15

Videos and discussions for Sections 3E, 4A-4B

Homework Exercises for Sections 3E, 4A-4B

Weekly quiz covering Section 3E, 4A-4B

Due Sunday at 11:59pm, September 15

**Week 5:** September 16 – September 22

Videos and discussions for Sections 4C-4E

Homework Exercises for Sections 4C-4E

Weekly quiz covering Section 4C-4E

Due Sunday at 11:59pm, September 22

**Midterm Exam: Paper and Pencil Exam (Proctored)**

**(Covers Chapter 1 through Chapter 4)**

This must be completed between September 23 and September 29.

**Week 6:** September 23 – September 29

Videos and discussions for Sections 5A-5D

Homework Exercises for Sections 5A-5D

Weekly quiz covering Section 5A-5D

Due Sunday at 11:59pm, September 29

**Week 7:** September 30 – October 6

Videos and discussions for Sections 5E, 6A-6C

Homework Exercises for Sections 5E, 6A-6C

Weekly quiz covering Section 5E, 6A-6C

Due Sunday at 11:59pm, October 6

**Week 8:** October 7 – October 13

Videos and discussions for Sections 6D, 8A-8C

Homework Exercises for Sections 6D, 8A-8C

Weekly quiz covering Section 6D, 8A-8C

Due Sunday at 11:59pm, October 13

**Week 9:** October 14 – October 20

Videos and discussions for Sections 8D, 9A-9B

Homework Exercises for Sections 8D, 9A-9B

Weekly quiz covering Section 8D, 9A-9B

Due Sunday at 11:59pm, October 20

**Week 10:** October 21 – October 27

Videos and discussions for Sections 9C, 10A-10B

Homework Exercises for Sections 9C, 10A-10B

Weekly quiz covering Section 9C, 10A-10B

Due Sunday at 11:59pm, October 27

**Week 11:** October 28 – November 2

Review for Final

No assignments

**Final Exam: Paper and Pencil Exam (Proctored)**

**(Covers Chapters 5-6, and Chapters 8-10)**

This needs to be completed between October 28 and November 2.