

## Institutional Syllabus

### MATH 115—Quantitative Reasoning

**Instructor Name:**

**Instructor Office Location:**

**Instructor Phone:**

**Instructor Office Hours:**

**Instructor email:**

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**Course Number:** MATH 115

**Course Name:** Quantitative Reasoning

**Textbook/Homework Software:** The Hawkes Learning System (this can be used with the included e-book or with a purchased hard copy textbook).

Software with ebook ISBN 978-1-64277-277-2 **or**

Software and Textbook ISBN 978-1-64277-493-1

**Calculator:** Scientific or Graphing calculator (required)— allowed for all assignments

**Prerequisites:** Grade of at least 70% in MTH/MATH 111 or An Appropriate Math Placement Score.

#### **Course Description:**

This course develops practical skills necessary to process and communicate quantitative information found in daily life. Examples include probability, statistics, proportional reasoning, modeling data, financial mathematics, problem solving, and voting methods. *Prerequisite: Minimum final grade of 70% in MTH/MATH 111 Elementary Algebra or equivalent, or appropriate math placement score. Special Considerations: MTH/MATH 115 satisfies the General Education Core math requirement for degree programs that do not require MTH/MATH 117 Introductory Statistics or MTH/MATH 120 College Algebra or MTH/MATH 210 Calculus I.*

**Student Learning Outcomes:** Students successfully completing the course will be able to

- Identify and create multiple types of graphs, interpret data from graphs, and identify incomplete or misleading graphs.
- Apply graph theory to real-life situations.
- Investigate voting methods.
- Solve real-life problems requiring the interpretation and comparison of proportions and percentages.
- Demonstrate the calculations needed for the basic concepts of sales tax, discounts, and simple interest.
- Use spreadsheets to calculate and explore compound interest, annuities, and payments of instalment loans.
- Utilize two and three dimensional geometry to solve real life problems.
- Gain understanding of unit measurement sizes and how to convert between units.
- Use counting principles to determine number of possible outcomes.
- Find theoretical, empirical, conditional probabilities and expected value.

- Compare sampling procedures and determine bias in samples.
- Find measures of central tendency and real life examples of when each might be used.
- Organize sets, create Venn Diagrams, and use the set operations.

## GRADING POLICIES

### Course Evaluation Plan

An assessment instrument (checklist, rubric, quiz, etc.) will accompany each Discussion Forum. See the instructions for specific assignment criteria and accompanying grading instruments. Hawkes Learning will automatically grade each CERTIFY and WebTest upon submission.

### Points Distribution

Graded assignments will be distributed as follows:

<i>List of graded assignments by type</i>	<i>Total Points</i>
<i>Discussion Forums (7) x 10 points</i>	<i>70</i>
<i>CERTIFY (37) x 5 points</i>	<i>185</i>
<i>Chapters 1&amp;2 WebTests (2) x75 points</i>	<i>150</i>
<i>Chapter 3 WebTest</i>	<i>95</i>
<i>Chapters 4, 5, 6&amp;7 WebTests (3) x 100 points</i>	<i>300</i>
<i>Comprehensive Final Exam (WebTest 7)</i>	<i>200</i>
<i>TOTAL points for the course</i>	<i>1000</i>

## FINAL GRADES

The following scale will be used when calculating final grades:

A	90-100%	D	60-69%
B	80-89%	F	0-59%
C	70-79%		

Final grades will be posted according to the [Academic Calendar](#).

### WebTests

All students must install the [Respondus application](#) on the computer on which they will be taking their math tests. **Information and instructions are attached to this syllabus.**

Any student whose classification is RDP must take their WebTests in person on the West

Point, GA campus. If a student attends classes in person at the West Point, GA campus, then they are considered RDP.

- Please contact the Testing Center via email (and copy your instructor) to schedule your appointment at least 48 hours before you would like to take your WebTest.
- Your test will require a password. Your instructor will send the password to the Testing Center prior to your appointment, and they will provide it to you when you come to your appointment.
- If you are unable to provide your own computer to take your WebTest, the Testing Center will provide one for you. You will need to remember your Hawkes Learning login and password. You will access the WebTest through Canvas and the Hawkes Learning direct links.

## **Required Sections In The Hawkes Learning System: Viewing Life Mathematically**

### **8-Week Format**

#### **Weeks 1 and 2**

- 1.2
- 2.1
- 2.2
- 2.3
- 2.4
- 4.1
- 4.2
- 4.3
- 4.4
- 4.5
- 7.4
- WebTest 1

#### **Week 3**

- 6.1
- 6.2
- 6.3
- 6.4
- 6.5
- WebTest 2
- Finance Project

#### **Week 4**

- 9.1
- 9.2
- 9.3
- 10.1
- 10.2
- 10.3
- 10.4
- WebTest 3

#### **Week 5**

- 11.1
- 11.2
- 11.2a Instructor-added supplement about constructing Pie Charts
- 11.3
- 11.4
- Data Project/Test

#### **Week 6**

- 13.1
- 13.2
- 13.3
- 13.4
- Voting project

#### **Week 7**

- 14.1
- 14.2
- 14.3
- 14.4
- Voting Theory Project/Test

#### **Week 8**

- 14.1
- 14.2
- Instructor-developed 14.3 (but do NOT do the Practice and Certify for 14.3)
- Graph Theory Applications Assignment (instructor-made)
- Graph Theory Project

## DISABILITY SERVICES

Point University is committed to providing qualified students with disabilities an equal opportunity to access a Point education through the provision of reasonable and appropriate accommodations and support services. Accordingly, Point complies with [Title IX](#) of the Educational Amendments of 1972 and the subsequent reauthorization of that act, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990 and subsequent amendments to that act. For more information about Disability Support Services, see the “Consumer Information” section of the website (<http://point.edu/disclosures>) and the “Student Services” section of this catalog, or contact the [Director of Disability Services and College Section 504 Coordinator](#).

## COURSE EXPECTATIONS

### *Attendance*

A student is expected to actively participate in each week of the class in which he or she is enrolled. Active participation each academic week includes submitting classwork in one or more of the following activities within the course during the week they are due: discussion forums, assignments such as (but not limited to) projects, papers, presentations, case studies, quizzes, or exams. Students may be absent up to 25% of the class. After absences exceed 25% of the session or term's total – in either consecutive or cumulative days – the student will be withdrawn from the class roster and assigned a grade on the basis of work completed at the time of withdrawal unless, because of exceptional circumstances, prior arrangements have been made with the professor and the Chief Academic Officer.

Students representing the university, such as student-athletes, remain responsible for submitting work online within the week it is due to be counted present. No student will be disadvantaged while representing the university. However, the responsibility is on the student to notify faculty no later than one week before missing class for any reason, to ensure time for content to be made available to them and for make-up work to be considered and arranged. It is expected that students will limit their absences outside of these required absences, as they will be dropped if they overcut the allowed number of absences.

The full attendance policy is found in the [catalog](#).

### *Etiquette & Netiquette*

Students are expected to be respectful and well-mannered towards the instructor and their peers, whether in the physical classroom or the online course site. For guidance on meeting this expectation, particularly in the online environment, please see the materials provided during student orientation or reach out to [advising.center@point.edu](mailto:advising.center@point.edu).

### *Policies*

For academic policies governing attendance, late assignments, and student support,

please refer to the [catalog](#).

## **COPYRIGHT AND FURTHER DISSEMINATION**

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## Respondus LockDown Browser

Respondus LockDown Browser® is a custom browser that secures WebTest and WebTest Review within Hawkes. When you use Respondus LockDown Browser (RLB), you will be **unable to print, copy, screenshot, go to another URL, or access other applications**. Once a WebTest or WebTest Review is opened within the LockDown Browser, you are locked into it until you submit it for grading or end your review.

### 1. Installing and Using Respondus LockDown Browser

You must install Respondus LDB to your computer before you can access any WebTests in Hawkes.

Please use the following links:

#### Windows – Student Edition

<http://fileburst.hawkeslearning.com/respondus/LockDownBrowserOEMSetup.exe>

#### OS X – Student and Lab use:

<http://fileburst.hawkeslearning.com/respondus/InstallLDBOEM.zip>

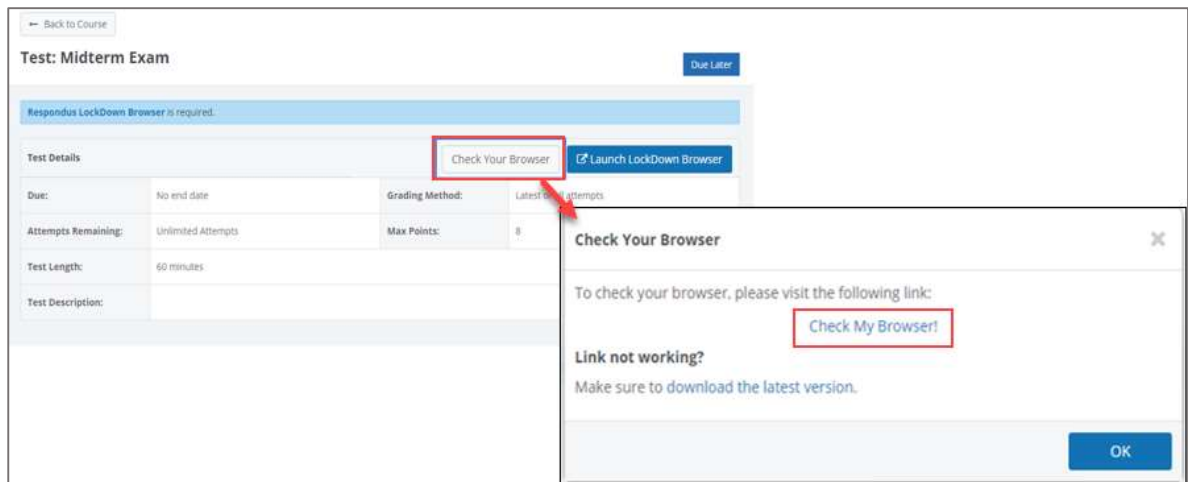
Alternatively, you can select the WebTest on your Hawkes To Do list, then select the blue 'Respondus LockDown Browser' link that displays on the blue bar on the page, which will provide you with the installation link:

Assignment: Midterm Exam				Due Later
Respondus LockDown Browser is required.				
Details		<a href="#">Check Your Browser</a> <a href="#">Launch LockDown Browser</a>		
Due:	Jul 24, 2020 4:50PM ET	Grading Method:	Latest of all attempts	
Attempts Remaining:	Unlimited Attempts	Max Points:	60	
Time Limit:	60 minutes			
Description:				

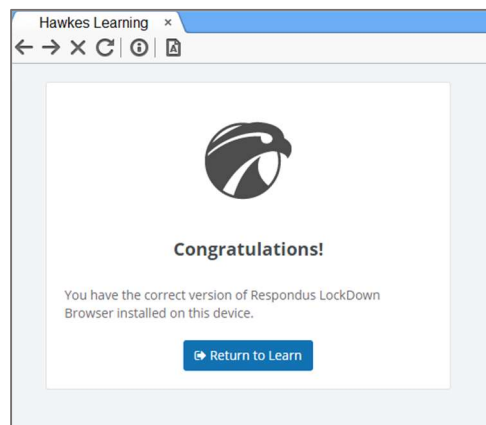
### 2. Browser Compatibility Check

To ensure everything is set up correctly, please perform the following compatibility check.

- Sign into your Hawkes Learning account and select a WebTest that has been set up to require RLB.
- Press **Check Your Browser** and follow the onscreen instructions.



If you have a compatible version of RLB installed, you will see:



If the **Check My Browser** link does not work, you will need to download and install a compatible version of RLB.

## Using the Respondus LockDown Browser

Select the WebTest you would like to take from your Hawkes To Do List and select **Launch LockDown Browser**. This opens the same page in Respondus LockDown Browser. To begin the test, press **Start** or to begin reviewing the test, select the attempt.



## Normal Browser View

[← Back to Course](#)

**Test: Midterm Exam**Due Later

Respondus LockDown Browser is required.

Test Details

[Check Your Browser](#)[Launch LockDown Browser](#)

Due:	No end date	Grading Method:	Latest of all attempts
Attempts Remaining:	Unlimited Attempts	Max Points:	8
Test Length:	60 minutes		
Test Description:			

## LockDown Browser View

Hawkes Learning

DashboardALEXANDRA TODISCO

[← Exit LockDown Browser](#)

**Test: Midterm Exam**

Test Details

[Start](#)

Due:	No end date	Grading Method:	Latest of all attempts
Attempts Remaining:	Unlimited Attempts	Max Points:	4
Test Length:	60 minutes		
Test Description:			

Test Review

Attempt	Score	Time Taken	Completed
1	100%	1min	Date Submitted: 7/20/2017 9:17:00 AM

### Accessing the Scientific Calculator through Respondus LockDown Browser

If your instructor has enabled the calculator application within Respondus LockDown Browser, you will see a calculator icon in the top left corner of the browser.



- When you click on the calculator icon, the calculator application will appear as shown below.



## Best Practices

- **Any issues encountered during testing do not cause any progress on the exam to be lost. All answers will be saved, and the test timer will stop. To resume the exam, please force shut down your computer and restart it to access the test again.**
- Make sure you have JavaScript and cookies enabled.
- Make sure your browser's pop-up blocker is turned off.
- Make sure you have an updated version of Java installed and that Java is enabled.
- Remove any other version of Lockdown Browser that is already installed on the computer.
- Temporarily disable the computer's spyware or anti-virus software.
  - Spyware detection and anti-virus software may interfere with RLB. Examples of such software include AVG, Spyware Doctor, Ad-Aware, Spybot, Norton, McAfee, etc.
- Temporarily disable the computer's firewall.
  - If the computer's firewall needs to remain enabled, you will need to make sure that LockDown.exe application is allowed full access to the Internet, which means you may need to enter the LockDown Browser executable file into your firewall as an "Exception".
- Close all open programs and applications. If using a PC access this through your Task Manager. If using a Mac access this through the Activity Monitor.
- Clear all cookies and cached files from the web browser.
- Make sure the internet connection is stable.
  - RLB requires a constant Internet connection. If there's any break in connectivity to the RLB server, the page contact could be lost, resulting in a white-screen.
- If the page freezes while attempting to load a question ("White Screen"), or the browser freezes when submitting your test, you may need to completely reboot your computer.

## LockDown Browser System Requirements

Operating Systems	Memory	LockDown Browser Versions
Windows: 10, 8, 7 Mac: OS X 10.10 or higher	Windows: 2 GB RAM Mac: 512 MB RAM	Windows: Version 2.0.2.02, June 12, 2017 or higher OS X: Version 2.0.2.01, July 5, 2017

**If you have any questions, please contact us!**

1 (800) 426-9538 | chat.hawkeslearning.com

