

**Bryn Mawr College**  
**STML 120 Quantitative Foundation**  
**Tuesday/Thursday 9:30 a.m.-12:00 p.m.**  
**Park Room #159**

**Faculty Information:**

Lecturer: Daisy Sudparid

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Office hours: By appointment (In person or Zoom)

**STML 120: Quantitative Foundation**

Course Description: The first half of the course will explore skills and concepts in Calculus 1 such as modeling of functions, optimization, and calculating and understanding derivatives. We will also explore areas under a curve and sequences and series, topics covered in Calculus 2. The second half of this course will build quantitative skills used in quantitative science courses. Quantitative skills are important for science courses include graphing, converting between units of measurement and solving multi-step word problems using equations.

Pre-requisite: NONE. Just a good attitude and open mind! **Course Materials**

Textbook: none. All materials will be provided.

Writing utensil: Pencil and eraser (or erasible pen). Required for all exams. NO exceptions. We all make mistakes and grading work with permanent pen scratches is NOT pleasant.

**Evaluation Methods:**

Grades will be determined based on the following components:

1. Assignments - 40%
2. Occasion checks-ins- 30%
3. Participation - 30%

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Total = 100%

**Assignments:**

Assignments will be announced in class and posted on Moodle. Each assignment should be **neatly** written on 8 x 11 paper with pencil (erasible pen) and handed in on the specified due date. You may use paper out of printers around campus if you do not have access to lined paper and print your work from a tablet. Completion assignments is critical for success and preparation for the school year.

**Check-ins:**

Check-ins will be announced in class and on Moodle. They will be at the beginning of class and you will have 15 minutes to complete. If you require accommodations please see me as soon as possible. You can expect these check ins **weekly**.

These assessments are designed as a check up to see how you are progressing with each topic. These are not meant to be super challenging, but rather to ensure that you are in line with the goals/expectations of the class.

**Participation:**

My goal for everyone is to have fun with math and to be able to contribute to thoughtful conversations around quantitative topics.

**THE HONOR CODE:**

From the Bryn Mawr College Honor Code: "Our intellectual and social development requires freedom born from trust. For growth requires more than blind adherence to a code of conduct, it requires reflection—reflection upon our actions and how our actions affect those with whom we share the community. Such reflection is only possible when one's judgment is trusted."

I trust that you, as an enrollee in this course, will adhere to the academic resolutions outlined in the BMC Honor Code, as it applies to ALL work you complete for this course. You may read the full Code at <http://sga.blogs.brynmawr.edu/honor-board/honor-code/>.

**Attendance/Class Participation:**

Regular participation is required and expected of all students in an effort to create a classroom conducive to learning. Attendance to all class meetings is highly recommended in order to be successful in the class.

**CRITICAL SUCCESS STRATEGIES:**

Students should expect to spend 1-2.5 hours per class meeting on homework with additional time spent reading the section and reviewing as needed to master the material. The total time spent on the course outside of class is expected to be around 5 hours per week. More time may be needed if a student is weak in certain fundamentals.

**NEED EXTRA HELP?**

If you are feeling overwhelmed or confused don't give up. I am here to help you become more comfortable with the unknown. You will find that some topics will be more straight forward than others. The point of this class is to give you a taste of what a quantitative class is like. So, I challenge you to "Embrace the FUN in FUstration!"