### Policies

#### Attendance: Your engagement and participation in class activities is important. Please try to notify your instructor in advance of any planned absences.

#### Basic Needs: Any student who faces challenges securing food, housing, or other basic needs and believes this may affect their performance in this course is urged to contact Ms. Denine Rocco, Dean of Students (508-531-1276; drocco@bridgew.edu). Please also notify your instructor if you are comfortable doing so.

#### Collaboration: Working collaboratively with your classmates is highly encouraged. However, the work you hand in on individual assignments must be your own. Collaboration on assignments which do not permit collaboration will constitute a violation of the BSU Policy on Academic Integrity.

#### Coupons: Every student begins with five (5) coupons redeemable for additional revisions, see pp. 2-3.

#### Disability Resources: In compliance with BSU policy and equal access law, your instructor is available to discuss appropriate accommodations you may require as a student with a disability. Requests for academic accommodation must be made during the add/drop period. Students are encouraged to register with the Disability Resources Office (Academic Achievement Center, Maxwell Library) for determination of reasonable accommodations.

#### Tutoring: Math Services offers tutoring for this course at no cost to students, located in the Academic Achievement Center. Tutoring is available on a drop-in basis, or (preferred) by appointment. Hours of operation: Monday & Thursday 8:00-5:00 Tuesday & Wednesday 8:00-8:00 Friday 8:00-3:00 Appointments at bsumath.com.

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### Learning Plan for Our Course

Dates listed subject to change.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/2</td>
<td>Exam Review</td>
<td>Blackboard</td>
</tr>
<tr>
<td>10/6</td>
<td>10/6</td>
<td>10/6</td>
</tr>
<tr>
<td>10/9</td>
<td>Linear Functions</td>
<td>10/9</td>
</tr>
<tr>
<td>10/16</td>
<td>Linear Regression</td>
<td>10/16</td>
</tr>
<tr>
<td>10/23</td>
<td>Exponents, %Growth</td>
<td>10/23</td>
</tr>
<tr>
<td>10/30</td>
<td>Compound Interest</td>
<td>10/30</td>
</tr>
<tr>
<td>11/6</td>
<td>11/6</td>
<td>11/10</td>
</tr>
<tr>
<td>11/13</td>
<td>Basic Probability</td>
<td>11/13</td>
</tr>
<tr>
<td>11/20</td>
<td>Independent Events</td>
<td>11/20</td>
</tr>
<tr>
<td>11/27</td>
<td>Sampling Methods</td>
<td>11/27</td>
</tr>
<tr>
<td>12/4</td>
<td>Central Tendency</td>
<td>12/4</td>
</tr>
<tr>
<td>12/11</td>
<td>Normal Distribution</td>
<td>12/11</td>
</tr>
<tr>
<td>12/18</td>
<td>Exam Review</td>
<td>12/18</td>
</tr>
<tr>
<td>12/22</td>
<td>Projects Due</td>
<td>12/22</td>
</tr>
<tr>
<td>12/22</td>
<td>(Optional) Final Exam</td>
<td>12/22</td>
</tr>
</tbody>
</table>

#### Blackboard, Pencil/Paper
- Opportunities for Mastery = 2 pt per row
- Quiz Exam

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### Mathematical Thought & Practice

#### MATH 105–W01
- Fall 2018
- Web-Only

#### What You’ll Learn
- Use sets, logic, and number theory as problem solving tools.
- Use linear and exponential models to analyze and predict.
- Critique uses and presentations of statistics and data.
- Use and evaluate arguments using quantitative evidence.
- Communicate mathematical and quantitative ideas with clarity and precision.

#### How You’ll Learn It
Some of this mathematics will be familiar to you; some will not. Our standards-based grading gives you several opportunities to show your understanding of each topic is improving over time, letting you focus more on learning goals than on performance tasks.

#### You Should Know
- Find course mastery standards, policies, important dates, and other information here.

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### Dr. Matt Salomone
msalomone@bridgew.edu
bsmath105@slack.com
DMF Science, Room 433
Office Hours: Web: mathematics.com
Progress, Not Points: Our Grading Specifications

Here are the learning activities of our course, and the specifications to which each is assessed.

Mastering mathematics requires a significant investment of time and struggle. Our grading system gives many opportunities to show what you know. It’s most important that you learn, not when you learn!

Does the work demonstrate understanding of the concept & meet expectations?

<table>
<thead>
<tr>
<th>Yes — Full Mark</th>
<th>No — No Mark Yet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is it complete &amp; well communicated?</td>
<td>Is there evidence of partial understanding?</td>
</tr>
</tbody>
</table>

Learning Progress, Attainment, & Engagement: “The Bundle”

To complete a bundle, check every box in its column. No partial credit is awarded. No box may be checked unless all boxes to its left are checked.

<table>
<thead>
<tr>
<th>Kinds of learning and thinking tasks</th>
<th>Beginner</th>
<th>Intermediate</th>
<th>Advanced</th>
<th>Master</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create, Critique</td>
<td>P</td>
<td>S</td>
<td>E</td>
<td></td>
</tr>
</tbody>
</table>

Experience Points (XP)

Some free online tools are used in this course; see the course website for details on getting signed up and started.

Course Resources

This course makes use of low-cost and Open Educational Resources.

Course Website: blackboard.bridgew.edu

Making the Grade: Your Progress Chart

Check off your progress in each learning area from left to right on this chart.

Project (Blackboard):

- With a group, complete a project to analyze, interpret, and communicate quantitative ideas from a real-world context.
- Project is submitted on time, meets both all specifications for satisfactory completion and all course goals.
- Project is submitted on time but fails to meet a maximum of two (2) specifications for satisfactory completion.
- Project fails to meet three or more specifications for satisfactory completion.

Retention (Blackboard):

- Your exams demonstrate retention of mastery of prior material on the same topic.
- All exam topics meet “E” standard for mastery.
- All exam topics meet “S” standard for mastery.
- Revise, A maximum of one (1) “P” earned on exam, with full marks (E/S) for all others.
- Revise with coupon, A maximum of one (1) “P” earned on exam, with full marks (E/S) for all others.

Mastery (Blackboard):

- Pencil/paper quizzes and exams to demonstrate your skill with course material. Due on Saturdays.
- All problems are complete, correct, and fully supported by both appropriate steps and thorough written explanation. Only trivial errors in computation.
- Most (about 80%) problems meet “E” criteria. Those that do not either have insufficient supporting work, or errors that do not impair reasoning.
- Revise, Substantial efforts are made on every problem, but sufficient errors or omissions indicate a need for additional instruction on this topic.
- Revise with coupon, An inconsequential attempt, or no attempt, is made on one or more problems by the due date.

We Time (Knewton Alta):

- More advanced learning to complete with discussion with group and instructor. Due on Saturdays.
- Assignment is completed and earns 100% credit in Knewton Alta prior to due date.
- Assignment is incomplete as of due date.
- Apply, Construct
- Identify, Explain

Me Time (Knewton Alta):

- Introductory learning to complete on your own. Due on Tuesdays.
- Assignment is completed and earns 100% credit in Knewton Alta prior to due date.
- Assignment is incomplete as of due date.
- Understand, Illustrate
- Recite, Remember

Revisions on quizzes and exams are done by submitting an alternate version to Blackboard by Saturday. A maximum of one (1) revision is permitted per week. Two (2) revisions in a week may be submitted but will expend a coupon. Experience Points are awarded for completing various tasks that enhance your and your classmates’ learning environment.