

## MATH 121R Calculus 1 Recitation Fall 2020

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| <b>Instructor:</b> | Roger Reakes   | <b>Office:</b> | Zoom Appointments  |
| <b>Phone:</b>      | 375-2450       | <b>Email:</b>  | <a href="mailto:reakes@roanoke.edu">reakes@roanoke.edu</a>   |
| <b>Instructor:</b> | Hannah Robbins | <b>Office:</b> | Zoom Appointments  |
| <b>Phone:</b>      | 375-4961       | <b>Email:</b>  | <a href="mailto:robbins@roanoke.edu">robbins@roanoke.edu</a> |

**Office Hours:** Since the class will be an online format we will use the class meeting times for both sections of 121R as office hours. Both students and instructors are available during this time frame, however feel free to reach out any day to either Roger or Hannah to request a meeting. Make sure to give a couple times and days you are available.

Thursday, 8:30 to 10:am contact Roger via email for an office appointment.

Thursday, 10:10 to 11:40 am contact Hannah via email for an office appointment.

All other days and times send an email to either instructor.

We will send a Zoom meeting invitation based on the availability of you and the instructor.

**Description:** This recitation provides students in Math 121 with an opportunity to review and practice skills such as trigonometry, exponential and logarithmic functions, and algebra needed to succeed in calculus. It will also provide time to practice new concepts from calculus.

**Learning** By the end of the course, successful students will be able to:

- Outcomes:**
- understand and manipulate various types of functions
  - understand and apply algebraic techniques to the study of calculus

**Testing Out of Topics:** During the first recitation session, you'll take a test covering all topics which will be discussed in Math 121R. The topics for each week's session will be assessed separately. If you score high enough on a particular session's topics, you'll receive credit for that session and are not required to attend recitation that week. However, you are welcome to attend all weeks if you'd like more practice. Some topics will be covered in more than one session, and you'll have an additional chance to test out of them between the first and second sessions where they are discussed.

**Attendance Policy:** Class attendance is expected unless you have tested out of that day's material. If you do have to miss class, you are responsible for contacting me in advance to discuss whether your absence can be excused. If you have not discussed your absence with me beforehand, you will not receive credit for that week's session.

**Grading:** Your grade for each weekly session of recitation will be assigned based on attendance and participation. If you tested out of that week's session, you will receive full credit whether or not you attend. At the end of the semester, your overall recitation grade will be sent to your Math 121 instructor.

**Extra Resources:** Subject tutoring from other students is available through the Center for Teaching and Learning (in Fintel Library).

**Special Needs:** If you have a disability that may require an accommodation in this course, please let me know and provide your documentation within the first 2 weeks of the semester. I must have your documentation at least 48 hours prior to any accommodation I make. (Check with the Center for Teaching and Learning for their scheduling guidelines.)

**Academic Integrity:** I expect all of you to follow the Academic Integrity policies of Roanoke College. If you ever have questions about how these policies apply to our class please contact me. Any violations of these policies will automatically be turned over to the Academic Integrity Council.

Course Schedule:

| Date          | Topic(s)   |
|---------------|--|
| <b>20-Aug</b> | <b>Overview of Course &amp; Administer Test-out Quizzes</b>            |
| <b>27-Aug</b> | <b>Factoring, Canceling, Fractions</b>                                 |
| <b>3-Sep</b>  | <b>Lines, Exponent Rules</b>   |
| <b>10-Sep</b> | <b>Trigonometry</b>  |
| <b>17-Sep</b> | <b>Exponential Functions, Logarithms</b>                               |
| <b>24-Sep</b> | <b>Solving <math>f(x)=0</math> (factoring, quadratic formula, etc)</b> |
| 1-Oct         | Review of Derivatives  |
| <b>8-Oct</b>  | <b>Right Triangles, Geometry</b>                                       |
| 15-Oct        | Optimization review  |
| <b>22-Oct</b> | <b>Sums</b>  |
| 29-Oct        | Review of Integrals  |
| <b>5-Nov</b>  | <b>Exponential Functions, Logarithms Revisited</b>                     |
| 12-Nov        | Review for Final   |
|               |  |
| <i>Note:</i>  | <i>dates/topics in bold are required (unless tested out of)</i>        |
|               | <i>dates/topics not in bold are optional</i>                           |
|               |  |