Instructor: Dr. Georgi Medvedev, 292 Korman, medvedev@drexel.edu
Lectures: TR 3.30-4.50 pm, Curtis 453
Office hours: TBA and by appointment


Course Description and Learning Objectives:

This course is a primer for students planning on taking Calculus, Math 121. We will introduce and analyze various functions and their properties, including, but not limited to, polynomial, logarithmic, exponential and trigonometric functions. You will be expected to acquire problem solving skills appropriate to the material, including (but not limited to) the following:

- Analyzing properties of functions, graphing them and transforming them,
- Composing functions and finding the inverse of a function,
- Familiarity with linear, quadratic, polynomial and rational functions,
- Evaluating powers, exponentials and logarithmic expressions,
- Using properties of logarithms and exponentials to solve equations,
- Working with the unit circle, radians, and trigonometric functions
- Deriving trigonometric results from right triangles
- Proving trigonometric identities,
- Understanding inverse trigonometric functions, and applying trigonometric formulas
- Transforming trigonometric functions.

Homework: Homework problems will be posted on the course website after each lecture. Although homework assignments will not be graded, some of the homework problems or similar ones will be given on quizzes and exams. All homework problems should be attempted. You are encouraged to come and see me during my office hours to obtain some help on particular questions, provided you have made a genuine attempt to solve them. Additional help is available at the Mathematics Resource Center located in Korman 247. For hours please see http://www.drexel.edu/coas/math/resourcecenter/.

Quizzes: There will be regular quizzes (approximately weekly). A quiz on a given week will test the material covered during the previous week. To receive a credit, you must be present during the entire class when the quiz is given. The date and the material for the next quiz will be announced in advance. There are no make-up quizzes. The lowest quiz score will be dropped.
Examinations: There will be one midterm and one final examination. The dates will be announced in advance. All exams are closed book. No calculators or other electronic devices will be permitted on the tests so you should not come to depend on them while doing your homework. All exams are closed book.

Make-up exams are offered only under extraordinary circumstances (documented in writing), and only if approved by the instructor before the scheduled test. In case of an illness that requires absence from the exam, you must submit a doctor’s note to be considered for a make-up exam.

Electronic Devices: No active computational or communication electronic devices are permitted in class. Please keep your phones off during lectures and exams.

Attendance: Regular and punctual attendance at all scheduled classes is expected. Attendance will be taken regularly. A student must be present during entire lecture for it to be counted as ‘attended’. More than two unexcused absences will affect your grade.

Assessment: Final grade will be calculated as follows: quizzes (25%), midterm (30%), final exam (40%), attendance (5%).

The following table is to help you to decide on your standing during this course:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Minimum Score</th>
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<tbody>
<tr>
<td>A</td>
<td>90 - 100</td>
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<tr>
<td>B</td>
<td>80 - 89</td>
</tr>
<tr>
<td>C</td>
<td>70 - 79</td>
</tr>
<tr>
<td>D</td>
<td>60 - 69</td>
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</tbody>
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(± will be assigned at the discretion of the instructor). Class participation and attendance will decide border cases.

Although some changes to the above breakdown at the end of the term are possible, everyone should use it to get an idea of one’s standing. Students earning points within the above bounds are assured of a final grade at least as indicated above.

Academic Honesty: Cheating and other forms of academic misconduct are serious offenses and are dealt with harshly, e.g. at the very least a 0 on an exam and a letter sent to the Office of Student Conduct. Students should be familiar with the following policies:

http://www.drexel.edu/provost/policies/academic_dishonesty.asp


Disabilities and Accommodations: Students planning to use special accommodations in this course should meet with the instructor during the first three weeks of the course to discuss any special arrangements. To request accommodations, please provide a current accommodation verification letter from the Office of Disability Services. For additional information, please see www.drexel.edu/ods.

Problem resolution: Please come to see me during my office hours or by appointment if you have any course related problems. ¹

¹It is my prerogative as the instructor to change the course during the term at my discretion. Any changes will be communicated in class, through e-mail and/or via the course website when appropriate.