**Syllabus for Precalculus**

**Semester: Spring 2019 (January 25,2019-May 22, 2019)**

**Instructor: Lucie Mingla Mat 1375/ Section: D558** [**LMingla@CityTech.Cuny.Edu**](mailto:LMingla@CityTech.Cuny.Edu) **Time: Mon, Wed: 8:00am -9:40 am Office Hour: Mon. Wed. : 11:40am-12:10 pm Room: N-717 Room: 824**

**Grading Policy:**

|  |  |  |  |
| --- | --- | --- | --- |
| 93.0–100 | A | 77.0–79.0 | C+ |
| 90.0–92.9 | A- | 70.0–76.9 | C |
| 87.0–89.9 | B+ | 60.0–69.9 | D |
| 83.0–86.9 | B | 0–59.9 | F |
| 80.0–82.9 B- | |  | |

There will be 3 exams and a final exam. Exams are in first 60 minutes of class. No extra time is given for students who arrive late. There are no makeup exams. A missed exam will be replaced with the final exam score.

**Three exams will wait 45 % of your score (15% each).**

**Final exam will weight 25 % of the final grade.**

There will be **no ‘make–up’** exams. *Unless a valid excuse* (medical or family emergencies, University related travel such as athletic or academic competitions) *is presented in advance, a missed exam will receive the score 0.* Students must look at this syllabus carefully and plan well ahead: *personal travel is NOT a valid excuse.* If a student misses an exam for a valid reason and provides a written verification from an appropriate authority (not a family member), that percentage of the grade may be made up on the final.

No extra time will be given in exams to students who arrive late.

**Students must take the final exam in order to pass this class.**

No student will be allowed to take the final exam early. A full period final examination is given the last class meeting of the semester. It covers all topics studied. It **must** be taken to pass the course.

**Homework Assignments, Quizzes and Other Assignments (20 % of grade) (The average score of HW, Quizzes and Research paper).**

Each student will be expected to solve homework problems on WeBWork website for every session during the semester. The final percentage in Webwork will be your score in the Homework.

**Desmos activity and the Project of trig functions STEM application (10%)**

You will have one session for desmos activity (If you don’t finish it in class, you must finish it at home), and two weeks to work in groups of 5 students in your research project.

Your research will be focused on real life applications of trig functions. The project will include writing information in powerpoint including tables, graphs, charts and media (videos pictures)

Preferable: Do your own experiment or application and describe the use of trig functions. Use Desmos.com to graph create tables etc.

There will be one session for presentations. Your presentation will be 10 minutes per group. Your presentation will be posted also on OpenLab in our class site.

A rubric will be used to grade you based on your performance in the preparation and presentation of project. Instructions and the rubrics will be posted in OpenLab.

**Attendance:**

You are expected to attend all class meetings and you are responsible for all the material covered. Attendance will be taken. Lateness and students leaving before the end of the period will be recorded.

**The instructor reserves the right to make any changes she considers academically advisable. Any changes in this syllabus will be announced during class meetings and students are responsible to be aware of them.** Students who miss a class meeting should obtain all the information for that meeting from a classmate. Attendance and active participation in class will be taken into consideration while computing the final grade.

**Class behavior:** No phones, earpieces and other devices are allowed in the classroom.

**Available help**: You are encouraged to come to my office hours for help. Extra help is available in the Atrium Learning Center in LG 18. Updated tutoring information will be posted on the class OpenLab site.

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| **Important dates**: See <http://www.citytech.cuny.edu/registrar/academic-calendar.aspx>    Thursday, January 31 | Last day to drop classes with 75% tuition refund. |
| Thursday, February 7 | Last day to drop classes with 50% tuition refund. |
| Thursday, February 14 | Last day to drop classes with 25% tuition refund. |
| Monday, **April 1** | **Last day to officially withdraw with “W” grade**. |

**City Tech Math Department’s Statement On Academic Integrity**

**To students**:

As defined in the Academic Integrity Policy Manual, “**cheating is the unauthorized use or attempted use of material, information, notes, study aids, devices or communication during an academic exercise**.”

Examples of cheating include, but are not limited to:

1. Talking/sharing/exchanging information during an exam, regardless if the content is related to the exam.

2. Using an unauthorized resource (notes or electronic device) during an exam.

3. Taking someone else’s work as one’s own, including copying answers from another student, copying solutions from the internet, or plagiarizing.

4. Assisting someone to cheat, including allowing another student to copy one’s work or doing work for another student.

As a general rule, the mathematics department does not allow the use of formula sheets or cell phones during exams. Any student in need of a calculator (when allowed) may go to the library to borrow one.

The mathematics department takes violations of the academic integrity policy seriously. Any observed violations will be reported using the Faculty Action Report (FAR) form and may result in an academic sanction. Instructors will report any such incidents to the chair of the department.

The college’s academic integrity policy can be found: http://www.citytech.cuny.edu/academics/docs/academic\_integrity\_policy.pdf

**Note**: **Students cheating during an exam will earn the grade 0 (zero) on that exam.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Meeting Days and Tentative Schedule: Date** | **Book Sessions** | **Date** | **Section(s)** |
| 1/28 | Chapter 1 | 3/25 | Chapter 13 |
| 1/30 | Chapter 2 | 3/27 | Chapter 14 |
| 2/4 | Chapter 3 | 4/1 | Chapters 15, 16 |
| 2/6 | Chapter 4 | 4/3 | Chapter 17 |
| 2/11 | Chapter 5 | 4/8 | Chapter 18 |
| 2/13 | Chapter 6 | 4/10 | Chapter 19 |
| 2/20 | Chapter 7 | 4/15 | Chapter 20 |
| 2/25 | Review and **Exam 1** | 4/17 | Class project, Chapter 23 |
| 2/27 | Chapter 8 | 4/29 | Chapter 23, 24 |
| 3/4 | Chapter 9 | 5/1 | Review and **Exam 3** |
| 3/6 | Chapter 10 | 5/6 | Chapter 21 |
| 3/11 | Chapter 11 | 5/8 | Chapter 22 |
| 3/13 | Chapter 12 | 5/13 | Chapter 25 |
| 3/18 | Class project, Chapter 13 | 5/20 | Review |
| 3/20 | Review and **Exam 2** | 5/22 | **FINAL** |

Records should be kept by each student of all absences, grades received, exam papers, dates of the HW etc. Excuses for absences, lateness should be part of this record and need to be shown to the instructor after each occurrence.

Help is available during the office hours. If there is something you do not understand, get help immediately! **Example of grade computation:**

|  |  |  |  |
| --- | --- | --- | --- |
| Exams  (45%) | Final exam (25%) | Desmos & Project (10%) | Homework, Quizzes,  Class-participation (20%) |
| 90 | 88 | 90 | 65 |
| 70 |  |  | 75 |
| 80 |  |  | 70 |
| 240/3**=80** | **88** | **90** | **210/3=70** |

80 x 0.45 = **36** 88 x 0.25 = 22 90x 0.10= 9 70 x 0.20 = 14.0 **Final Grade: 81.0 = Bˉ**