PHILIP CHEIFETZ, Ph.D. Mathematics Department

SUNY Distinguished Service Professor

SUNY Award for Excellence in Teaching

Mathematics Department Director, Partnership Programs Director, Partnership Programs

One Education Drive

Garden City, NY 11530-6793

Tel 516.572.7932

Fax 516.572.7965

philip.cheifetz@ncc.edu

516.572.7965 516.572.7932

Fax 516.572.7965

cheifp@ncc.edu One Education Drive

Garden City, NY 11530-6793

Tel 516.572.7932

Fax 516.572.7cheifp@ncc.edu



MAT 122: Calculus 1

Nassau Community College realizes that education is a continuing process of self-discovery and self-realization involving a search for truth, the pursuit of knowledge, and the search for a rational approach to life. The College believes in providing an atmosphere in which students have freedom to learn and to engage in this search for truth, knowledge and reason.

In order to be successful in college, students should be aware of the rigorous nature of the studies involved. If conscientious, most students can succeed. However, each student brings differing motivation, background, and preparation, among the more measurable characteristics, to a college career. In addition, the various programs and courses offered at the college have different levels of complexity. In particular, it should be noted that mathematics is a subject that requires a maximum effort. In second semester calculus, it is expected that *for every hour spent in class, a minimum of two hours are to be spent at home in preparation for the next class.*

It is highly unlikely that students who work inordinate hours at part-time or full-time jobs will succeed at doing well in calculus. Other impediments to success are poor algebra and trigonometry skills. Please note that calculus is often used as a “separator” class” by other disciplines. *A word to the wise: in calculus, the national dropout rate is between 30 and 50 percent. If you do not do the assigned homework, if you do not understand the strategies involved, if you do not ask questions, it is highly unlikely you will pass this course.*

Course Particulars

Instructor: Dr. Philip Cheifetz

Information:Office: B3065

Phone: 572–7932

E-mail:philip.cheifetz@ncc.edu

Fax: 572–7965

Web page: http://newton.matcmp.ncc.edu/~cheifp/

Office Hours:MW 10-11:15 (There are no summer hours)

## Text: *Calculus*: *Single Variable*6**th**edition, by Hughes-Hallett, Gleason, et al.

Topics

covered:

Continuity, limits, derivatives, applications of the derivative, the definite integral, constructing antiderivatives, simple integration.

WHERE SUCCESS STARTS...AND CONTINUES

Nassau Community College is a unit of the State University of New York sponsored by Nassau County

Sections 1.7, 1.8, 2.1-2.6, 3.1-3.9, 4.1-4.7, 5.1-5.4, 6.1-6.3, 7.1

covered:

## Calculator: A graphing calculator is required for this course. The Texas Instrument TI-83, TI-83+, TI-84, TI-85, TI-86, or TI-89 calculators are all acceptable. Many others are also acceptable

Class Policies:

* You are responsible to verify that you are in the appropriate level math course based on your current math placement. Please note that in MAT 122 the prerequisite is *at least a C* in MAT 111(Precalculus.) *I also highly recommend that you have not been away from precalculus for more than one semester*.
* *You are expected to complete all homework assignments and ask questions about the problems that gave you trouble. In the absence of questions, I will assume that you have understood the material. I also urge you to read the open letter on my web site.* Be smart! Understand the *strategies* involved.
* You are expected to attend class. If you miss class, you are responsible for all missed work. As per the NCC catalogue “Students are advised that absences in excess of 10% of the total class meetings may result in the student being dropped from the course.” IN THIS CLASS, IF YOU ARE ABSENT MORE THAN 10% OF THE CLASSES WITHOUT CONTACTING ME*,* YOU WILL RECEIVE AN “UW” FOR THE COURSE.
* Attendance is taken at the beginning of each class. You are expected to arrive to class on time. Repeated tardiness may cause me to drop you from the class.
* **Provided you have not missed 10% of the classes**, you may withdraw from this class during the **official withdrawal period**. If you wish to withdraw from the class and receive a grade of “W”, it is *your* responsibility to withdraw *officially* by filling out a properly completed Drop/Add form and having it signed by me. **After the official withdrawal period, you will receive a “W” only if you have a passing average.**
* **At the end of the course, if your average is below 60, you will receive an “F.” If you stop attending class and a Drop/Add form is not completed with my signature, you will receive a “UW.”**
* All cell phones brought to class must be turned off. You are not permitted to make or receive anycalls during class. Texting during class is also prohibited. During class, if any cell phone goes off, or if anyone is found texting, there will be a pop quiz for the entire class and a one dollar fine will be assessed from everyone in class.

Class Policies:

* You are expected to remove your hat, cap, hood, or do rag while in class.
* You are *not* expected to throw out coffee cups, food, paper, gum, etc. while class is in progress.

Exams: *There will be three or four exams and a cumulative final. No exam grade will be dropped. There are no make-up exams.* ***A missed exam will receive a grade of zero****. There are no “extra credit” projects to add to or replace poor exam grades.*

### Grading: Your final grade is based on your class exams and the cumulative final. If your final exam grade is higher than your class average, it will count 100%, if lower, it will count 33%. No grades are dropped. NO STUDENT WILL RECEIVE A PASSING GRADE FOR THE COURSE UNLESS HIS/HER FINAL EXAM GRADE IS ABOVE 50%. No one may withdraw after taking the final exam. The final grade will be converted to a letter grade as described below.

|  |  |
| --- | --- |
| 90 –100 | A |
| 85 – 89 | B+ |
| 80 – 84 | B |
| 75 – 79 | C+ |
| 70 – 74 | C |
| 65 – 69 | D+ |
| 60 – 64 | D |
| Below 60 | F |

If your final average is 95% or greater, you will receive an A and also be treated to a dinner at a restaurant of your choosing.

Math Center**:** Additional assistance is available in the Mathematics Center, Room B –130. This center offers free individual and group help as well as the *Instructor’s Solution Manual*. If you wish to make use of the Math Center, a student ID card must be obtained. Please be reminded that those academic departments which provide designated Extra-Help Lab support and report student usage clock hours to OIR must adhere to certain SUNY mandated requirements for NCC eligibility to receive state aide for student attendance to such labs. All students must computer swipe their ID cards both upon entrance and exit of the facility. This action is necessary to ensure accuracy of the reported student usage clock hours. Furthermore, pertinent departmental course syllabi must make reference to the availability and utilization of such Extra-Help Labs. Please make a conscious effort for full compliance.

Disabilities Statement:

If you have, or suspect you have a physical, psychological, medical, or learning disability that may have an impact on your ability to carry out the assigned coursework, I urge you to contact the staff at the Center for Students With Disabilities, Bldg. U (behind the old College Union), 572-7241, TTY 572-7617. The counselors at CSD will review your concerns and determine with you what accommodations are necessary and appropriate. All information and documentation will be kept confidential.

If you are up to the challenge of second semester calculus, enter the fellowship of this course and join us in our search for truth, knowledge, and reason.