MAT 203: CALCULUS III WITH APPLICATIONS-LECTURE 01; FALL 2016

Course Description

This is a course in multi-dimensional calculus. We cover essential tools such as: partial derivatives of functions of two and three variables; maximizing and minimizing functions of two and three variables; Lagrange multipliers; integrating functions of two and three variables; line integrals; Green's Theorem.

Course Teachers

Lecture 01: Lowell Jones; office 2-111 in math building; phone 632-8248; email lejones@math.stonybrook.edu; office hours are MW F 11:30am- 12:30pm (in 2-111 of math building on W,F; and in P-143 of math building on M).

Recitations 01 and 03: Lisandra Hernandez Vazquez; office in 5-125B; email lisandra.hernandezvazquez@stonybrook.edu; office hours are Mond 11am-12pm.
    vspace.1in
Recitation 02: Mohamed El Alami; email mohamed.elalami@stonybrook.edu; office in MLC; office hours are on Mond and Wed 4pm-5pm in MLC and on Thur 2:30pm-3:30pm in office.

Class Schedules

Lecture 01: MF 1:00pm -2:20pm in Javits 103.

Recitation 01: W 11:00am-11:53am in Library E4310.

Recitation 02: F 12:00pm-12:53pm in Mathematics P131.

Recitation 03: F 12:00pm-12:53pm in Earth and Space 181.

Text

Mutlivariable Calculus, tenth edition, by Ron Larson and Bruce Edwards.

Homework

Homework is a assigned each week. Each homework set is due during you your recitation of the following week (unless otherwise stipulated). The

homework assignments can be found on our Blackboard website by going to the "Calendar" (viewing the calendar in monthly form) and clicking on the first class day of the week in question. For example, to find the first home work assignment, view the calendar in monthly form and click on "HW 1 and topics" which appears in the box for August 29.

Exams
There is one inclass midterm; it will take place in class on Friday 10/21/16. The final exam will take place on Wednesday Decemember 21 from 2:15pm to 5:00pm. The final exam room will be announced on this website later in semester.

If you register for this course you must make sure that you have no schedule conflicts with the times of the midterms and final exam. Makeup exams will only be given in the event that circumstances beyond the student's control do not allow the student to take the exams at the assigned times; in particular "schedule conflicts" are not reasons for a makeup to be given.

Grading
Homework=30%

Midterm =30%

Final exam =40%

Americans with Disibilities Act:
If you have a physical, psychological, medical or learning disability that may impact on your abiltiy to carry out assigned course work, please contact Disabiltiy Support Services (DSS) at 632-6748/TDD. The DSS will review your concerns and determine, with you, what accommodations are necessy and appropriate. All information and documentation is confidential.

Academic Integrity:
Each student must pursue his or her goals honestly an be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty are required to report any suspected instances of academic dishonesty to the Academic Judiciary. For more comprehensive information on academic integrity see the academic judiciary web site at http://www.stonybrook.edu/uaa/academicjudiciary/

Critical Incident Management:
Stony Brook Univeristy expects students to respect the rights, privileges, and property other people. Faculty are required to report to the Office of

University Community Standards any disruptive behavior that interrupts their ability to teach, compromises the saftey of the , learning environment, or inhibits students' ability to learn. Further information about most academic matters can be found in the undergraduate Bulletin.

Syllabus

The weekly homeowork assignments will be posted on the course calendar (see Blackboard).

Week of 8/29-9/2: cover sections 11.1-11.3

Week of 9/5-9/9: no class on Monday 9/5 (Labor Day); cover sections 11.4-11.5

Week of 9/12-9/16: cover sections 11.6-11.7 and 12.1-12.2

Week of 9/19-9/23: cover sections 12.3-12.5

Week of 9/26-9/30: cover sections 13.1-13.3

Week of 10/3-10/7: cover sections 13.4-13.6

Week of 10/10-10/14: cover sections 13.7-13.9

Week of 10/17-10/21: cover sections 13.10; midterm on Friday 10/21 (in class).

Week of 10/24-10/28: cover sections 14.1-14.2

Week of 10/31-11/4: cover sections 14.3-14.4

Week of 11/7-11/11: cover sections 14.6-14.7

Week of 11/14-11/18: cover sections 15.1-15.2

Week of 11/21-11/25: cover 15.3; no class on Friday 11/23 (Thanksgiving Break)

Week of 11/28-12/2: cover sections 15.3-15.4

Week of 12/5-12/9: last week of classes; cover section 15.4 and catch up and review for final exam.