

COURSE SYLLABUS MATHEMATICS 1701

- Course:** Mathematics 1701 Introduction to Topology
Spring semester 2014
- Class Meetings:** MWF, at 10:00-10:50 AM, in Room 223, Krebs Hall
- Textbook:** **“Introduction to Topology” by Crump W. Baker**
- Instructor:** Dr. Miron B. Bekker,
Room 230A, Krebs Hall, phone: 814-269-2986, email: bekker@pitt.edu
- Office hours:** MTW 2:00-3:30 PM, T 10:30-11:30 AM, and by appointment.
Appointment may be scheduled in person, by phone, or by email. You may also check my availability in the office outside my office hours.
- Course description:** This course may include some topics from Point-set Topology such as topological spaces, metric spaces, connectedness, compactness, and countability axioms. The course may also include some topics from Algebraic-Combinatorial Topology such as simplicial complexes, the fundamental group, Jordan Curve Theorem, Euler characteristic, classification theorem of compact surfaces, homology groups, homotopy groups, vector fields, and fixed points. Prerequisite: Math 0241 and Math 1012. (03.0 crs)
- Homework:** Homework will be assigned regularly. I strongly recommend to students solving all assigned problems.
- Quizzes:** There will be three 30 minutes quizzes during the semester. For the quizzes will be selected problems similar to those assigned as homework. Each quiz will be out of 40 points.
- Tests:** There will be two 1 hour tests, 120 points each, during the semester.
- Final exam:** Thursday, April 24, 9:00-11:00 AM. Final exam is out of 150 points.
- Attendance:** It is expected that students attend every class period. If a student missed a class Period this is the student’s responsibility to find out which topics were discussed, obtain homework assignment, pick returned materials (quizzes, tests) up. If you know in advance that you are not able to be in class some particular day, let me know, and we will find a solution.
Attendance and activity in class will be taken into account in border cases while I determine your final grade.
- Excuse for Prolonged Absence** In the event of a prolonged absence (3 days or more), the student must immediately contact the Office of the Assistant to the Vice President of Academic Affairs, Blackington 248, (814-269-2078) to be excused from classes.

Grading:

There will be 3 quizzes, 2 one-hour exams, and final exam.

Altogether 510 points are available. Letter grade will be determined according to the following table, where **P** represents the amount of earned points.

A+	A	A-	B+	B	B-	C+	C	C-
$P \geq 495$	$474 \leq P < 495$	$459 \leq P < 474$	$444 \leq P < 459$	$423 \leq P < 444$	$408 \leq P < 423$	$393 \leq P < 408$	$372 \leq P < 408$	$357 \leq P < 372$

D+	D	D-	F
$342 \leq P < 357$	$321 \leq P < 342$	$306 \leq P < 321$	$P < 306$

I also reserve the right to shift above requirements **down**.

Disabilities: *If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Office of Health and Counseling Services, G-10 Student Union, 814-269-7119 as early as possible in the term. The Office of Health and Counseling Services will verify your disability and determine reasonable accommodations for this course.*

Academic Success Center and Tutoring Services:

If you find yourself having difficulty in this class, see your Professor. In addition, the Academic Counselors in the Academic Success Center, located in Owen G-16 (<http://www.upj.pitt.edu/285/>), can assist you in staying on track academically. You may complete an on-line request for an individual tutor at the ASC's website, where you may also access information regarding drop-in tutoring and Supplemental Instruction (SI) sessions. Tutoring and other ASC services are free to all students. In the event you receive notification from the ASC regarding your performance in class, be sure to follow-through to obtain assistance. The Academic Counselors are committed to helping all students maximize academic potential.

HAVE A GOOD SEMESTER!!