SECTION 03   **SYLLABUS   MATH 103**   **Fall 2009**

PREREQUISITE: Intermediate Algebra, Rutgers Math 026 or Math 027 or equivalent.

TEXT: Excursions in Modern Mathematics 7th Edition **AUTHOR:** Peter Tannenbaum

INSTRUCTOR: Gus Rainsford **EMAIL:** rainsfor@math.rutgers.edu

OFFICE HOURS (unless announced otherwise): Every Monday 2:50-4:50 PM and by appointment on Monday 4:50 - 5:50 PM in room 101 B in the Regina Heldrich Sciences Building on Douglass Campus.

Note: (CHANGE OF CLASS DAYS) On Tuesday September 8, Rutgers will follow Monday's schedule of classes. Our class WILL NOT MEET on Tuesday September 8. We WILL meet for lecture on as usual on Thursday, September 10.

GRADING: Based on a total of 500 points distriuted as follows:

Homework/Quizzes 100 pts,   Exam 1: 100 pts,   Exam 2: 100 pts,   Final 200 pts

COURSE TOPICS: We will cover Chapters 1,2,3,4,5,6,7,8, and 10.

CALCULATOR/CELL PHONE: A basic calculator capable of computing square roots and exponential expressions will be needed for both homework and examinations. Computers and calculators with typewriter keyboards or built-in computer algebra systems such as the TI-89 or TI-92 will not be permitted on exams. Cell phones and other related electronic devices are not permitted on exams and should be turned off in class.

EXAMS: Exams are closed book: no notes, or books or other materials are permitted. A basic calculator may be used on exams (see above); however, cell phones and other electronic devices may not be used during exams. You may not leave the room during an exam except to hand in your exam. Once you leave the room, you may not come back in to continue the exam.

Exam I is scheduled for Tuesday October 6 unless announced otherwise.

Exam II is scheduled for Tuesday November 17 unless announced otherwise.

The **Final Exam** will be on Wednesday December 16 from 8:00 to 11:00 AM and will be comprehensive. The room will be announced in class. **Please note: Firm dates for all exams will be announced in class.**

SPECIAL NEEDS: If you require special accomodations during exams or in class, you must see the Rutgers Office of Disability Services and discuss your case with them. Requests for special accomodations will NOT be honored without a letter from the Rutgers Office of Disability Services requesting the accomodations. Such letters must be presented in a time frame sufficient to allow for the accomodation to be met. To insure your needs will be met this semester, please see the Dean of Disabilities Services ASAP. For more information go to http://disabilityservices.rutgers.edu

MISSED EXAMS: If you miss taking an exam (for some sound documented reason), you must bring in a formal letter from the dean's office in order for your absence to be excused. For such an excused absence, the problems on the final exam which cover the material tested on the missed exam will be selected to be the replacement or "makeup" for the missed exam. **No other replacement or makeup exam will be given for any reason. NO EXCEPTIONS!** You must contact either me, or the math office 445 2390 within 3 days of the missed exam. **Missed exams, which are not excused, are recorded as a 0 grade.** If Rutgers cancels classes, (for snow storms etc), on the day of an exam, the exam will be given on the first day we meet when our class resumes.

CLASS PARTICIPATION: You are responsible for attending all class meetings. Poor attendance will be a factor in deciding borderline grade situations. You are responsible for all material covered in class as well as all announcements made in class. Announcements regarding exams, quizzes, and homeworks will NOT be sent to students by electronically or by phone. Make arrangements with other students to get class notes and any announcements in the event you miss class. Not knowing the day of an exam, or quiz, or homework due date is NOT an acceptable excuse for missing handing in homework or missing the exam or quiz.

ACADEMIC INTEGRITY: Students are expected to do their own work and abide by the restrictions regarding calculators, electronic devices, testing aids, etc. Violations will result in a zero grade for the homework, quiz or exam and possible failure for the course and or further academic discipline for all involved.

SAKAI: After the homeworks are handed in, the solutions will be posted on a Sakai webpage for our class. You may use your rutgers id and password to logon to Sakai. Grades in 103 section 03 will NOT be posted on Sakai.

HOMEWORK/QUIZZES: Selected problems will be assigned in class to be written up and handed in to be graded or will be used as a basis for quizzes as announced in class. The remaining problems are for practice for exams. Students are encouraged to do all the problems. Late homeworks will not be accepted. Makeup quizzes are not given. Missed homeworks/quizzes are given a zero grade. As it is understood that at times missing class may be unavoidable, rather than accept late homeworks or give makeup quizzes, the two lowest scores will be dropped.

Chapter 1: 3, 9, 11, <u>12</u>, 13, 15, <u>16</u>, 17, <u>18</u>, 19, 23, <u>24</u>, 25, 29, 31, <u>32</u>, 33, 35, 37 <u>38</u>, 41, <u>42</u>, 43, 45, 47, 49, 50

Chapter 2: 3, <u>4</u>, 5, 7, 9, 13, 17, <u>18</u>ce only, 19, <u>20</u>, 21, 23, <u>24</u>, 27, <u>28</u>b only, 33, <u>34</u>, 35, <u>36</u>

Chapter 3: 1, 3, 5, <u>6</u>, 7, 9, 11, <u>12</u>, 17, <u>18</u>, 23, <u>24</u>, 29, <u>30</u>, 35, <u>42</u>, 53, 55, 57, <u>56</u>, 61, 63, 67, 68

Chapter 4: 3, 5, <u>6</u>, 7, 11, 13, 15, <u>16</u>, 19, 21, 23, 25, 27, <u>28</u>, 37, <u>38</u>, 47, <u>48</u>, 12*, 14*, *page A-10 mini excursions

Chapter 5: 11, 13, 15, 17, 19, <u>20</u>, 23, <u>24</u>, 29, <u>30</u>, 31, 32, 33, <u>34</u>, 37, <u>38</u>, 39, 41, <u>42</u>, 41, 45, <u>46</u>

Chapter 6: 5, 7, 11, 13, 15, 23, <u>24</u>, 25ab, <u>26</u><u>ab</u>, 29, <u>30</u>, 31, 33, <u>34</u>, 35, 37, 39, <u>40</u>, 41, 43, 45, <u>46</u>

Chapter 7: 1, <u>2</u>, 3, 5, 7, 11, <u>12</u>, 13, 15, 17, 19, <u>20</u>, 21, 23, <u>24</u>, 25, <u>26</u>, 27, <u>28 ∗∗</u>, 29, <u>30 ∗∗</u>, 33, <u>34 ∗∗</u>

Chapter 8: 15, <u>16</u>, 17, 21, <u>22</u>, 23, 25, 27, 29, 31, <u>32</u>, 39, <u>40</u>, 47 <u>48</u>, 51ab, <u>52</u><u>ab</u>,

Chapter 10: 17, <u>18</u>, 23, <u>24</u>, 35, <u>36</u>, 37, <u>38</u>, 55, <u>56</u>, 63, <u>64</u>, 67, <u>68</u>,