Syllabus

Mat 300, Mathematical Structures, Spring 2007

<table>
<thead>
<tr>
<th>Instructor: Andrzej Czygrinow</th>
<th>Email: <a href="mailto:andrzej@math.la.asu.edu">andrzej@math.la.asu.edu</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Office: PSA 828</td>
<td>Url: <a href="http://math.la.asu.edu/~andrzej/mat300.html">http://math.la.asu.edu/~andrzej/mat300.html</a></td>
</tr>
<tr>
<td>Phone: (480)965-2352</td>
<td>Office hours: MW 3:00 - 4:30</td>
</tr>
</tbody>
</table>

Books:
- *Sets, Functions, and Logic*, K. Devlin, 3rd Ed.
- *Conjecture and Proof*, M Laczkovich.

Additional reading assignment can be given in class.

Homework: There will be regular homework assignments, occasional quizzes and possibly reading assignments. No late homework will be accepted.

Tests: No make-up test will be given unless a student has notified the instructor before the test is given. We will have two tests: Test 1 - 02/21/07 Test 2 - 04/18/07. All tests will be given in class.

Final: The final exam is on May 7th, 12:20-2:10 pm.

Grading: Your final grade will be computed as follows: 25% - homework and quizzes, 40% - tests, 35% - final.

Important: It should be understood that all the rules on the syllabus concerning grading are approximate, dates of tests and schedule of material covered is tentative and is subject to change.

Tentative schedule:

01/17 - 01/19 Propositional Calculus (D).
01/22 - 01/24 Quantifiers (D), Methods of Proof (D).
01/29 – 02/02 Methods of Proof (G), (L).
02/05 – 02/09 Mathematical Induction.
02/12 – 02/16 Integers, rationals, etc. (D), (G), (L).
02/19 – 02/23 Review. Test 1 (02/21).
02/26 – 03/02 Sets (D).
03/05 – 03/09 Functions (D).
03/12- 03/ 16 Spring Break.
03/19 – 03/23 Functions and sets (D), (G), (L).
03/26 – 03/30 Functions and sets (related topics).
04/02 – 04/06 Relations (D).
04/09 – 04/13 Relations (D).
04/16 – 04/20 Review. Test 2 (04/18).
04/23 – 04/27 Topics (G), (L).
04/30 Review for the Final Exam.