

## SMTH 340 Tentative Assignment List Spring 2009

Text: *Mathematical Proofs - A Transition to Advanced Mathematics*, 2<sup>nd</sup> edition, by Chartrand, Polimeni and Zhang.

This list will be altered and augmented as we progress through the course. If the listed problems are insufficient for you to feel comfortable that you understand the concepts, then work more of the book's problems and bring your attempted problems to me for help. --MBU

| <u>Chapter</u>                                | <u>Page</u> | <u>Items</u>                                                                                                                                                                              |
|-----------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                             | 27          | Learn all conventions and definitions in the chapter.<br>Work: 1.3, .7, .8, .16, .17, .22, .26, .34, .45.                                                                                 |
| 2                                             | 57          | Study and work problems in the Logic Handout.<br>Learn all conventions and definitions in the chapter.<br>Work: 2.10, .18, .39, .43, .45, .46, .54.                                       |
| 3                                             | 83          | Learn all conventions, definitions and proofs in the chapter.<br>Prepare to turn in: 3.7, .12, .14, .20, .23, .34.                                                                        |
| Test 1 is planned for this point in the term. |             |                                                                                                                                                                                           |
| 4                                             | 101         | Learn all conventions, definitions and proofs in the chapter.<br>Work: 4.2, .4, .5, .7, .10, .11, .13, .18, .23, .24, .29, .37, .43.                                                      |
| 5                                             | 124         | Learn all conventions, definitions and proofs in the chapter.<br>Work: 5.2, .8, .10, .11, .13, .16, .17, .20, .25, .30, .36.                                                              |
| Test 2 is planned for this point in the term. |             |                                                                                                                                                                                           |
| 6                                             | 156         | Learn all conventions, definitions and proofs in the chapter.<br>Work: 6.4, .5, .6, .7 (give any answer <i>other</i> than the one in the back of the book), .14, .18, .22, .32, .33, .38. |
| 8                                             | 192         | Learn all conventions, definitions and proofs in the chapter.<br>Work: 8.4, .5, .9, .11, .13, .17, .18, .20, .30, .33, .36, .41.                                                          |
| Test 3 is planned for this point in the term. |             |                                                                                                                                                                                           |