TOPICS for PRESENTATIONS:

1. CW complex structure of $SO(n)$
2. Mod 2 cohomology of $SO(n)$
3. Integral cohomology of $SO(n)$
4. Stiefel Manifolds
5. Bockstein Homomorphism, Examples 3E.1 and E.2
6. Bockstein Homomorphism, Proposition 3E.3 and Corollary 3E.4
7. Bockstein Homomorphism, Example 3E.6
8. Bockstein Homomorphism, Example 3E.7

* means that the topic is taken
** means that the topic is presented

Home Work 1 (Quiz on February 5th)
(page 165) Exercises: 2, 4;
(pages 176-177) Exercises: 1, 2, 8, 10;
(page 184) Exercises: 3, 5.

Home Work 2 (Quiz on February 26th)
(pages 204-205) Exercises: 1, 2, 6, 7, 9, 11;
(page 267) Exercises: 1, 2, 5.
(pages 79-82) Exercises: 2, 3, 9.

Home Work 3 (Quiz on March 31st)
(pages 228-230) Exercises: 1, 3(a), 7, 8, 11;
(page 257) Exercises: 2, 3, 7, 11.

EXTRA CREDIT PROBLEMS:

Credit for *-problems will be given to first 4 persons who bring a correct solution to my office. Then the problem will be removed from the list.