PRESENTATION TOPICS:

1. Alexander Horned Spere (pages 170-172)
2. Simplicial Approximation to CW complexes (pages 182-184)
3. Hopf Algebra (pages 283-286)
4. Pontryagin Product (pages 287-289)
5. Dual Hopf Algebra (pages 289-291)
6. CW structure of SO(n) (pages 294-296)
7. Mod 2 Cohomology of SO(n) (pages 296-299)
8. Integer Homology and Cohomology of SO(n) (pages 299-301)
9. Stiefel Manifolds (pages 301-302)
10. Bockstein Homomorphism (pages 303-306)
11. Limits and Ext (pages 311-316)
12. Transfer Homomorphism (pages 321-322)

* means that the topic is taken

Home Work 1 Chapter 2, Section 2.2

Home Work 2 Chapter 2, page 184
Exercises: 1, 2, 3, 5, 7
Chapter 3, page 204-205.
Exercises: 3, 6, 9, 11.

Home Work 3 Chapter 3
page 267, Exercises 1, 2, 6.
page 280, Exercise 1.

EXTRA CREDIT:

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.

Problem 1*[# of claims left - 2](3pts) Exercise 24 Chapter 2, Section 2.2
Problem 2*[# of claims left - 3](3pts) Exercise 35 Chapter 2, Section 2.2
Problem 3*[# of claims left - 4](3pts) Exercise 9 Chapter 2, page 184.
Problem 4*[# of claims left - 4](3pts) Exercise 7 Chapter 3, page 205.
Problem 5*[# of claims left - 4](3pts) Exercise 3 Chapter 3, page 267.