TOPICS for PRESENTATIONS:

1. ENR (pages 525-527)
2. Closed manifold are homotopy equivalent to CW complexes (pages 528-529)
3. Hopf bundles (pages 377-379)
4. Bott periodicity (383-384)
5. Example of nonfinite generation of $\pi_n$ (pages 423-425)
6.

* means that the topic is taken
**presented

EXTRA CREDIT PROBLEMS:

0. Show that $\mathbb{Z}_2 \oplus \mathbb{Z}_2$ cannot act freely on $S^n$ (6 pts)
1. Problem 3, page 358 (3 pts)
2. Problem 17, page 359 (3 pts)
3. Problem 18, page 359 (4 pts)
4. Problem 20, page 359 (5 pts)
5. Problem 2, page 389 (3 pts)
6. Problem 4, page 389 (3 pts)
7. Problem 10, page 389 (4 pts)
8. Problem 14, page 390 (3 pts)
9. Problem 22, page 390 (3 pts)
10. Problem 25, page 391 (4 pts)

The credit for extra credit problems will be given to all persons who bring a correct solution to my office.