Presentation topics MTG4303/MTG5317

1. ** Urysohn Lemma [JKP]
2. ** Tietze Extension Theorem [NK]
3. ** Urysohn Metrization Theorem [SW]
4. ** Theorem 34.2 and Theorem 34.3 [HH]
5. ** Exercise 10 page 213 [MF]
6. Exercise 11 page 214
7. Nagata-Smirnov Metrization Theorem
8. Smirnov Metrization Theorem
9. ** Theorem: Every metrizable space is paracompact [MF]
10. ** Space-Filling Curve [DF]
11. ** Nowhere-Differentiable Function [JAH]
12. General Ascoli’s Theorem (Th 47.1)
13. ** Fundamental Theorem of Algebra [ZY]
14. Imbedding Graphs in the Plane
15. Invariance of Domain
16. The Winding number of a simple closed curve
17. ** Borsuk-Ulam Theorem [RB]
18. Fundamental groups of surfaces

* means that this topic is already taken

** means that this topic was presented