

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