



## TOPOLOGY SEMINARS

# Uniqueness of Resolutions and the Standard Resolution

By

**Muhammed Said Gündoğan**

**Abstract:** Last week, we defined the homology of a group using a free resolution. To show well-definedness, this week we will show that the homology groups of a group does not depend on the choice of the resolution. Also we will describe an explicit construction of a free resolution called the Standard Resolution.

In this semester, we follow Brown's Cohomology of Groups which can be downloaded from <https://www.springer.com/gp/book/9780387906881>.

**Date:** October 8, 2018

**Time:** 13:40 – 15:00

**Place:** SA141 Mathematics Seminar Room

\* Tea and cookies will be served after the talk. All are most cordially invited.