

# Algebraic Topology Miscellaneous Notes

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Miscellaneous notes for the Fall 2020 graduate section of Algebraic Topology (Math 380C) at UT Austin, taught by Dr. Allcock. The course was loaded with pictures and fancy diagrams, so I didn't  $\text{\TeX}$  any notes for the lectures themselves. However, I did take some miscellaneous supplementary notes, here they are. Source files: [https://git.simonxiang.xyz/math\\_notes/files.html](https://git.simonxiang.xyz/math_notes/files.html)

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## **§1 Category Theory**

Today we learn abstract nonsense!