# Topology --- Proofs examinable --Fall 2021

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The following is to narrow down the list of proofs of official theorems/propositions/etc that could appear on the tests/final. Of course there may be other `proofs' on the test coming from homework exercises, etc, and of course what constitutes a `proof' is somewhat in the eye of the beholder.

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Proofs that might be on the test/final in MATH 6342--Fall 2021: 1.2.2, 1.2.4, 1.2.5, 1.2.10, Everything in 1.3 except 1.3.9, Everything in 1.4 except e.f,g in 1.4.5, 1.5.1--1.5.8 Obs 3, 1.5.8 Lemma (b), 1.6.2, 1.6.3 Prop, 1.6.4, 2.1.4--2.1.7, 2.1.9. Note that when I say 2.1.7, for example, I mean all proofs contained in 2.1.7. When I say 2.1.4--2.1.7, for example, I mean everything in between these numbers too. 2.2.10 Cor 1, Cor 2, 2.3.1 , 2.3.3, 2.4.2 (but not the remark on sigma-compactness), 2.4.4 Theorem proofs of Claims 1--4, and Corollary, , 2.4.6 up until the words "Finally, we check the universal property", 2.5.2, 2.5.3, 3.1.3--3.1.7, 3.1.9--3.1.12, 3.1.13 Corollary (in some versions the proof of this is mostly contained in the lines before it). Note that when I say 2.1.7, for example, I mean all proofs contained in 2.1.7.

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