

UNIVERSITY OF OSLO  
REAL ANALYSIS - MAT2400  
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**Abstract**

This document is going to be a way for me as a student of MAT2400 at the University of Oslo to gather my thoughts around the course Real Analysis. I've struggled with my intuition for this subject, and this is a last ditch effort to build it all up from scratch.

For this task, I've decided to use the text books written by Terence Tao, namely Analysis I and II. There is absolutely nothing wrong with the text book offered at my university, it is brilliantly written, but I have been exposed to the writings of Terence Tao before, and therefore I wish to give his books a try.

The structure of this document is going to be me writing down the results encountered throughout the text books along the proofs I find extra intriguing. I'm going to attempt to prove the theorems myself, and if I find it reasonable I'm going to write down my own proof. Included will also be my attempted solutions to selected exercises.

This document is mainly for my own good and well being, but if anyone can find any use from them, then that is great.