

Differential Geometry

Lecture Notes

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Table of contents

| | |
|--------------------|----------|
| Welcome | 3 |
| Readings | 3 |
| License | 4 |
| Reuse | 4 |
| Citation | 4 |
| References | 5 |

Welcome

These are the Lecture Notes of **Numbers, Sequences & Series 400297** for T1 2023/24 at the University of Hull. I will follow these lecture notes during the course. If you have any question or find any typo, please email me at

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Up to date information about the course, Tutorials and Homework will be published on the University of Hull **Canvas Website**

canvas.hull.ac.uk/courses/67551

and on the **Course Webpage** hosted on my website

silviofanzon.com/blog/2023/NSS

Readings

We will study the set of real numbers \mathbb{R} , and then sequences and series in \mathbb{R} . I will follow mainly the textbook by Bartle and Sherbert [2]. Another good reading is the book by Abbott [1]. I also point out the classic book by Rudin [3], although this is more difficult to understand.

! You are not expected to purchase any of the above books. These lecture notes will cover 100% of the topics you are expected to know in order to excel in the final exam.

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References

- [1] S. Abbott. *Understanding Analysis*. Second Edition. Springer, 2015.
- [2] R. G. Bartle and D. R. Sherbert. *Introduction to Real Analysis*. Fourth Edition. Wiley, 2011.
- [3] W. Rudin. *Principles of Mathematical Analysis*. Third Edition. McGraw Hill, 1976.