

PREFACE

1 Who are we?

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2 Course

- Theory: 24 Hr → 72 Hr
- Exercises: 22 Hr → 44 Hr

3 Documentation

- Handbook: Calculus, a complete course - 10th edition
Chapter P-9: theory and exercises
- Handouts: supplements, summaries and other proofs

4 Evaluations

- Test: 13/11 - 2 Hr: Exercises
- Exam:
 - Theory: oral exam - 5 min access to notes, 55 min preparation without notes and 30 min presentation
 - Exercises: written exam - 4 Hr without notes

5 Schedule

Lectures	Theory	Exercises	Topic
06/10	1-2		Introduction and Preliminaries
09/10	3-4		Real Numbers and Functions
13/10	5-6		Limits
14/10		1-2	Real Numbers and Functions
20/10	7-8		Continuity
21/10	9-10		Continuity and Derivatives
27/10		3-4	Limits
28/10		5-6	Continuity
03/11	11-12		Derivatives and Differentials
04/11		7-8	Derivatives and Differentials
13/11	13-14		Applications of Differentiation
17/11	15-16		Trancendental Functions
18/11		9-10	Applications of Differentiation
24/11		11-12	Applications of Differentiation
25/11		13-14	Trancendental Functions
01/12	17-18		Integrals
02/12		15-16	Integrals - Integration Techniques
08/12	19-20		Integration Techniques - Applications of Integration
08/12-12/12		17	Integration Techniques
09/12		18-19	Integration Techniques - Applications of Integration
15/12	21-22		Polar Coordinates and Parametric Curves
16/12		20-21	Polar Coordinates and Parametric Curves
22/12	23-24		<i>Sequences, Infinite Series and Power Series</i>
23/12		22-23	<i>Sequences, Infinite Series and Power Series</i>