Maths 1
Analysis 01

Chapter 1: Elements of set theory
- Sets.
- Applications.
- Equivalence relations.

Chapter 2: Structure of real number fields R
- Set of rational numbers Q.
- Properties on R.
- Bounded sets.
- Reasoning by induction.
- Order Relationship.

Chapter 3: Real Functions of a Real Variable
- Notions of function.
- Continuous functions.
- Usual functions.
- Derivative of a function.

Algebra 01

Chapter 1: Reminder of algebraic structures
- Law of internal composition.
- Groups, subgroups.
- Rings, sub-rings.
- Body, subbody.

Chapter 2: Vector spaces
- Vector space structure.
- Linear Applications.