EEBL

PREP-COURSE SYLLABUS 2020
MATHEMATICS | PROFESSOR GIORGIO VOCALELLI

DESCRIPTION

The Mathematics preparatory course aims to review the basic concepts of calculus and linear algebra and to provide students with the necessary tools to understand the notions of Economics where a quantitative approach is needed.

OUTLINE

- Mathematical models.
- Real valued functions.
- Complete study of a function: sketch graph. Economic applications.
- Linear algebra.
- Functions of several variables.

LECTURES

Lecture 1: One variable calculus

Lecture 2: Exponents and logarithms.

Lecture 3: Linear algebra.

Lecture 4: Functions of several variables

Lecture 5: Optimization

REFERENCES

[1] Mathematics for Economists, C. Simon-L. Blume. W.W. Norton & Company, Inc. ISBN 0-393-95733-O*

* Part I, Part II and Part III

PROFESSOR'S OFFICE HOURS

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