

COURSE: Mathematics

ACADEMIC YEAR: 2018/2019

TYPE OF EDUCATIONAL ACTIVITY: Affine

TEACHER: Angelo Raffaele Pace

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Language: Italian

ECTS6 (5 lessons e 1
tutorials/practice)

n. of hours: 56 (40 lessons
e 16 tutorials/practice)

Campus:Potenza
School: Scuola di Scienze Agrarie,
Forestali, Alimentari ed Ambientali
- SAFE

Semester: I

EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES

The course proposes the study of fundamental elements of analytic geometry, trigonometry and analysis. It will emphasize the operational topic on the theoretical one.

At the end of course the students have had to acquire right knowledges about the elementary functions, the derivate and limit calculus of a function and have to know to apply the study of diagram of algebraic and transcendent functions.

PRE-REQUIREMENTS

Elementary concepts of Theory of Sets, Basic Algebra, Euclidean Geometry and Analytic Geometry

SYLLABUS

Theory of sets. Functions. Limits and Derivatives. Differentiation Rules. Applications of Differentiation. Function graphs. Elements of integral calculus.

TEACHING METHODS

Theoretical lessons

EVALUATION METHODS

Written examination

TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIAL

1. A. Guerraggio, Matematica, Pearson Prentice Hall
2. G. Anichini-G. Conti, Analisi Matematica 1, Pearson Education
3. M. Bramanti-C.D. Pagani-S. Salsa, Analisi Matematica 1, Zanichelli
4. M. Conti-D.L. Ferrario-S. Terracini-G. Verzini, Analisi Matematica, vol.1, Apogeo
5. C. D'Apice-R. Manzo, Verso l'esame di Matematica 1, Apogeo Education

INTERACTION WITH STUDENTS

Office hours: wednesday 8:30-9:30 and 11:30-12:30; friday 15:00-17:00 at DiMIE

Email: raffaele.pace@unibas.it

EXAMINATION SESSIONS (TENTATIVE)¹

¹Subject to possible changes: check the web site of the Teacher or the Department/School for updates.



**SCUOLA DI SCIENZE
AGRARIE, FORESTALI,
ALIMENTARI
ED AMBIENTALI**

SEMINARS BY EXTERNAL EXPERTS : NO

FURTHER INFORMATION

EVALUATION BOARD

Prof. Angelo Raffaele Pace (President)

Prof. Vito Antonio Cimmelli (Component)

Prof. Antonello Cossidente (Component)

Prof. Ermenegildo Caccese (Component)
