

COURSE: Mathematics			
ACADEMIC YEAR: 2018/2019			
TYPE OF EDUCATIONAL ACTIVITY: Affine			
TEACHER: Angelo Raffaele Pace			
e-mail: raffaele.pace@unibas.it		website:	
phone: 3388983953		mobile (optional):	
Language: Italian			
ECTS: 6 (5 lessons e 1 tutorials/practice)	n. of hours: 56 (40 lessons e 16 tutorials/practice)	Campus: Potenza Dept./School: School of agriculture, forestry, food and environmental sciences Program:	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 trascendent functions.

PRE-REQUIREMENTS

Sintetizzare in lingua inglese i contenuti riportati nella scheda in lingua in italiana.

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

SYLLABUS

Sintetizzare in lingua inglese i contenuti riportati nella scheda in lingua in italiana.

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

TEACHING METHODS

Riportare una (o più) delle seguenti voci: Theoretical lessons, Classroom tutorials, Laboratory tutorials, Project works, Technical visits, Other activities (specificare).

Se utile, riportare ulteriori dettagli, come specificato nell'esempio riportato nella scheda in lingua in italiana.

Theoretical lessons

EVALUATION METHODS

Riportare una (o più) delle seguenti voci: Intermediate verifications, Written examination, Discussion of a project work, Practical test, Oral examination, Other methods (specificare).

Sintetizzare in lingua inglese i contenuti di dettaglio riportati nella scheda in lingua in italiana.

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
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LOGO DELLA STRUTTURA PRIMARIA

INTERACTION WITH STUDENTS

Office hours: wednesday 8:30-9:30 and 11:30-12:30; friday 15:00-16:00 at DiMIE

Email: raffaele.pace@unibas.it

EXAMINATION SESSIONS (FORECAST)¹

14/12/2018, 15/02/2019, 12/04/2019, 07/06/2019, 19/07/2019, 13/09/2019, 22/11/2019

SEMINARS BY EXTERNAL EXPERTS YES NO

FURTHER INFORMATION

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