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Politecnico di Torino

Academic Year 2009/10 (first time established in A.Y.1999/00)

01LQLDR, 01LQLAX, 01LQLJA

Calculus II

1st degree and Bachelor-level of the Bologna process in Mechanical Engineering - Vercelli (I FACOLTA' DI INGEGNERIA)
1st degree and Bachelor-level of the Bologna process in Civil Engineering - Vercelli (I FACOLTA' DI INGEGNERIA)
1st degree and Bachelor-level of the Bologna process in Electronic And Computer Engineering - Vercelli (III FACOLTA' DI INGEGNERIA)

Teacher	Status	SSD	Les	Ex	Lab	Years Stability
Ceragioli Francesca Maria	RC	MAT/05	20	20	0	0

SSD	CFU	Activities	Area context
MAT/05	4	A - Di base	Matematica, informatica e statistica

Objectives of the course

The course deals with the foundations of the Riemann theory of integration and of ordinary differential equations.

Expected skills

The student is expected to be able to compute the most common types of integrals and to solve the most common ordinary differential equations.

Prerequisites

All the topics covered during the course 'Calculus I'.

Syllabus

-The Riemann integral
-Introduction to ordinary differential equations

Laboratories and/or exercises

Written exercises will be proposed on all the topics covered in the course.

Bibliography

R. Adams, Calculus: a complete course, 6th edition, Pearson, 2007.

Revisions / Exam

There will be a written examination involving both exercises about the topics covered in the course and theoretical arguments. If necessary, an oral examination will follow. The students cannot use books, notes, tables, computers during the exam.

Programma definitivo per l'A.A.2009/10

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