COMMUNICATION ENGINEERING AND ELECTRONIC TECHNOLOGIES
(Lecce - Università degli Studi)

Teaching MATHEMATICAL METHODS FOR ENGINEERING

GenCod A003085
Owner professor Antonio LEACI

Teaching in italian MATHEMATICAL METHODS FOR ENGINEERING
Teaching MATHEMATICAL METHODS FOR ENGINEERING
SSD code MAT/05
Reference course COMMUNICATION ENGINEERING AND ELECTRONIC
Course type Laurea Magistrale
Credits 9.0
Teaching hours Ore-Attivita-frontale: 81.0
For enrolled in 2021/2022
Taught in 2021/2022

Course year 1
Language INGLESE
Curriculum PERCORSO COMUNE
Location Lecce
Semester Primo-Semestre
Exam type Orale
Assessment Voto-Finale
Course timetable https://easyroom.unisalento.it/Orario

BRIEF COURSE DESCRIPTION

REQUIREMENTS
Prerequisites: Ordinary differential equations, multiple, line and surface integrals. Complex Analysis, linear algebra, elementary physics.

COURSE AIMS
Aims and Scope: Concepts of advanced mathematical Analysis - Problem solving for ordinary and partial differential equations arising from physics or engineering.

TEACHING METHODOLOGY
Lessons and exercises

ASSESSMENT TYPE
Final examination: The final (written) exam consists in solving 2 exercises (8+8 points) and answering 2 theoretical questions (7+7 points) related with the topics of the course.
FULL SYLLABUS


REFERENCE TEXT BOOKS

References.
M. Carriero, L. Anzilli: Introduzione alle Equazioni a Derivate Parziali Lineari, Quaderni di Matematica, 1/2015, ESE - Salento University Publishing.
A.N.Tichonov, A.A.Samarskij, Equazioni della fisica matematica, MIR, Mosca, 1981.
A.N.Tichonov, A.A.Samarskij, B.M.Budak, Problemi della fisica matematica, MIR, Mosca, 1981.