

PH.D. IN MATHEMATICS AND COMPUTER SCIENCE

COURSE SCHEDULE

ACADEMIC YEAR 2022/2023

NONLOCAL ELLIPTIC PDES

LECTURER: LUIGI MONTORO
UNIVERSITY OF CALABRIA

30 MAY - 08 JUNE

RECENTLY GREAT ATTENTION HAS BEEN FOCUSED ON THE STUDY OF QUASILINEAR ELLIPTIC EQUATIONS INVOLVING THE QUASILINEAR ANISOTROPIC FINSLER OPERATOR THAT ARISES IN MANY APPLICATIONS. FROM THE MATHEMATICAL POINT OF VIEW, THE ANISOTROPY IS RESPONSIBLE FOR A MORE RICHER GEOMETRIC STRUCTURE THAN THE CLASSICAL EUCLIDEAN CASE. ON THE OTHER HAND, DIFFERENT APPLICATIONS COME FROM SEVERAL REAL PHENOMENA WHERE ANISOTROPIC MEDIA NATURALLY ARISE.

MOTIVATED BY THIS INCREASING INTEREST, THIS COURSE DEALS WITH AN INTRODUCTION TO SOME CLASSICAL ARGUMENTS ADDRESSED TO THE PROBLEM OF THE EXISTENCE/NONEXISTENCE AND REGULARITY OF THE SOLUTIONS, IN THE FINSLER FRAMEWORK.

CLASS SCHEDULE:

TUE 30/05 15:00-17:00
WED 31/05 15:00-17:00
THU 01/06 15:00-17:00
TUE 06/06 15:00-17:00
WED 07/06 15:00-17:00
THU 08/06 15:00-17:00

CLASSROOM MT 12
TEAMS CODE: ybwoiig