

Algebra and Topology *

Prof. Andrea D'Agnolo¹

¹ *Università di Padova*
Dipartimento di Matematica Pura e Applicata
Email: dagnolo@math.unipd.it

Calendario: 48 ore, terzo trimestre

Programma:

Algebraic Topology is usually approached via the study of the fundamental group and of homology, defined using chain complexes, whereas, here, the accent is put on the language of categories and sheaves, with particular attention to locally constant sheaves. Topics discussed will include: Categories and functors, Additive and abelian categories, Abelian sheaves on topological spaces, Cohomology of (constant) sheaves. Five lectures will be given by Stphane Guillermou on "Derived categories and perverse sheaves". (Which may constitute an independent course for those already familiar with the above material.)

Responsabile nel Consiglio di Dottorato:

* corso mutuato dalla Laurea Specialistica Algant