

PMATH 930: Topics in Logic, Structural
Ramsey Theory
Winter 2027

Professor: Andy Zucker

Email: a3zucker

Course Description: Ramsey classes, Hales-Jewett theorem, the partite construction, the Nešetřil-Rödl theorem, the ordering property, Fraïssé theory, Kechris-Pestov-Todorcević correspondence, Carlson-Simpson theorem, Milliken's tree theorem, big Ramsey degrees.

Prerequisites: Students should have an undergraduate-level knowledge of group theory and of point-set topology.