

# Fall 2024 PMATH 930: Descriptive Set Theory

**Instructor:** Andy Zucker

**Time and Location:** T-Th 9:30am-11:00am, MC 5403 (both tentative)

**Course Description:** Polish spaces, Polish groups, Baire category methods, standard Borel spaces, Lusin-Novikov theorem, standard Lebesgue spaces, analytic sets, Lusin-Souslin separation theorem, well-founded trees, Souslin operation, Borel equivalence relations, Feldman-Moore theorem.