

**STAT 347**  
Introduction to Nonparametric Statistics  
*Winter 2016*

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**Office Hours:** Tuesday-Thursday. 14:30 – 15:30 and by appointment

**Text:** *Nonparametric Statistical Methods*, 3rd edition, by Myles Hollander, Douglas A. Wolfe and Eric Chicken (Wiley, 2014).

**Reference:** *Introduction to the theory of nonparametric statistics*, by R.H. Randles and D.A. Wolfe (Wiley, 1979).

**Objective:** This course is an introduction to the basic techniques of nonparametric inference – mainly tests of hypotheses. We shall try to cover the classical methods, exact as well as approximate (i.e., large sample), in this field – both theoretically and computationally.

**Final Grade:**

Mid-term ( <i>date to be announced later</i> )	35%
Final	49%
Assignments ( <i>4 approx.</i> )	16%

**Content:** *Selected sections of the following chapters:* Dichotomous data (Ch.2); One sample location problem (Ch.3); Two-sample location problem (Ch.4); Two-sample dispersion and other two sample problems (Ch.5); The one-way layout (Ch.6), The two-way layout (Ch. 7); The independence problem (Ch. 8).