

Metropolitan School District Of Lawrence Township  
Lawrence North High School  
7802 N. Hague Road  
Indianapolis, Indiana 46256

## **COURSE INFORMATION GUIDE**

AP/ACP Statistics  
(2nd Semester)

### **COURSE DESCRIPTION**

AP Statistics is designed to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students who successfully complete the course and AP examination may receive credit, advanced placement, or both for a one-semester introductory college statistics course. College credit for the course (PSY-K300) may also be earned through the Advance College Project in affiliation with Indiana University.

### **GENERAL COURSE GOALS**

- Explore, organize and describe data using graphs and numerical summaries
- Explore methods for producing data that can give clear answers to specific questions
- Use probability to describe chance, variation and risk to separate reality from background noise
- Draw conclusions about a wider universe while realizing that variation is everywhere and that conclusions are uncertain

### **UNITS**

- Estimating with Confidence
- Testing a Claim
- Comparing Two Populations or Groups
- Inference for Distributions of Categorical Data
- More about Regression
- ANOVA
- Preparing for the AP Exam

### **TEXT**

**The Practice of Statistics** (Fourth Edition) by Yates, Moore and Starnes  
Online version available with Access Code (provided in class)

### **MATERIALS NEEDED**

- TI-84/89 Graphing Calculator (may be rented for \$15/semester)
- Binder (1"-1.5") with dividers

## **GRADING SCALE\***

A	90 – 100%
B	80 – 89
C	70 – 79
D	60 – 69
F	<60%

\* This is a *weighted* course

## **EVALUATIONS USED TO DETERMINE GRADES**

### **9-WEEK GRADES**

10% Assignments (Checked for *honest* effort or graded for accuracy); Notes  
Quizzes

90% Tests

### **SEMESTER GRADES**

These will be determined by the (weighted) **percentile average** of your two 9-week grades and Final Exam (project) grade

## **CLASSROOM RULES**

- Follow directions the first time they are given
- Raise your hand and wait to be called on to speak
- Keep hands, feet and objects to yourself

## **MAKE-UP WORK**

If no new material was covered prior to a test, you are expected to make it up on the **first** day you return from an absence; otherwise, tests will be made-up at a mutually convenient time for you and me.

## **WEB SITE INFORMATION**

You can access your grade, assignments and/or worksheets at:

[www.frankumstein.com](http://www.frankumstein.com)

Textbook Web Site (see p. vii):

[www.highschool.bfwpub.com/launchpad/tps4e/3723205](http://www.highschool.bfwpub.com/launchpad/tps4e/3723205)

You should consider registering as a student at:

[www.APCentral.collegeboard.com](http://www.APCentral.collegeboard.com)