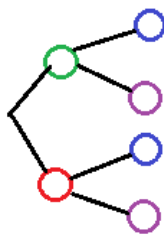
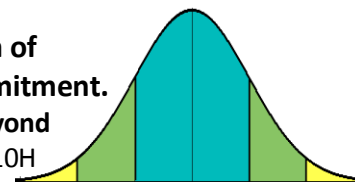


**Math 10H.08H CRN 35452 ; Math 10H.14H CRN 35453 De Anza College WINTER 2018**  
**Elementary Statistics & Probability Honors** **Instructor: Roberta Bloom**



## **Welcome to Math 10H Statistics Honors!**

Honors Math 10H can be a stimulating exploration beyond the realm of Math 10 for students who are willing to assume this additional commitment. In honors Statistics Math 10H, the student explores topics in depth and beyond the usual topics covered in Math 10. The honors student enrolled in Math 10H must meet the obligations of the students enrolled corresponding Math 10 section and additionally commit to and complete the Honors work.



Honors cohorts Math 10H.08H and Math 10H.14H are offered with Math 10.08 and Math 10.14. To enroll in Math 10H:

- initially register for the corresponding Math 10 class section
- after approval by the Honors Program and after getting a Math 10H ADD CODE from the instructor, then drop Math 10 and add Math 10H (College deadline to ADD is Sat. 1/20.)

To determine eligibility: visit <http://deanza.edu/honors> or contact [dahonors@deanza.edu](mailto:dahonors@deanza.edu) with your name, SID, and the Honors course you are interested in taking.

### **Instructor and Contact Information**

**Instructor: Roberta Bloom**

**Phone: 408-864-8591 Office S33N**

**email: [bloomroberta@deanza.edu](mailto:bloomroberta@deanza.edu)**

*email is preferred*

#### **Office Hours:**

**Tues-Wed -Thurs: 9:45 – 10:10 am**

**Mon-Tues-Wed: 1:45 – 2:30 pm**

#### **Instructor's Websites:**

<http://deanza.edu/faculty/bloomroberta/>

Also Course Studio in MyPortal

**If you want to enroll in Math 10H.08H or Math 10H.14H, you must make time in your schedule to see instructor during week 1, by 1/12, outside of class, in office hours or by appointment, to discuss eligibility, time, responsibilities, honors work and get an add code, with sufficient lead time to get approvals and meet deadlines.**

**HONORS WORK** for students in my Math 10 Honors Class Sections typically consists of additional in depth exploration, primarily reading and problem solving, in areas of probability not usually covered in this course and also in some areas of statistics. This covers a variety of topics to meet the honors work time requirement and is typically drawn from topics such as the following:

- Calculus based probability
- Use of combinatorial techniques ("counting methods")
- Derivation of and comparison of discrete probability distributions using combinatorics techniques
- Discrete probability techniques and distributions not required or usually covered in Math 10
- Derivation of Least Squares Linear Regression Line using partial derivatives (from multivariable calculus)
- The concept of covariance and its relation to the correlation coefficient
- Properties of point estimates and their importance in choosing appropriate point estimators
- Two Way Analysis of Variance (students must have access to Data Analysis Toolpak in Excel)

### **GRADES FOR HONORS MATH 10H:**

- **Math 10H students are required to complete the work for Math 10 and do the additional honors work.**
- **Honors work is worth 10% of total points for the course.** Enrollment in honors Math 10H does not earn a higher grade than Math 10; official recognition is the Math 10H honors designation on the transcript. **Math 10H grades are determined as "total points earned including honors work", out of "110% of the total points for Math 10".**
- Once enrolled in Math 10H, you are committed to complete the extra honors work. Most students in Math 10H successfully complete honors work. But students should be aware that not completing or not doing satisfactory honors work may result in a course grade lower than if not enrolled in Math 10H. If you decide you don't want to do honors work, you **can not** withdraw to reenroll in regular Math 10 after the college's drop and add deadlines.

**For all other information about the course, refer to the syllabus for the Math 10 section (Math 10.08 or Math 10.14) corresponding to the honors section (Math 10H.08H or Math 10H.14H) that you wish to enroll in.**