Math 10: MPS Elementary Statistics, Spring 2018

Math To. MFS Elementary Statistics, Spring 2018 3/5/18						
Instructor	Office	Phone	E-mail	Office Hours*		
Diane Mathios	S41	please email	mathiosdiane@deanza.edu	M – TH 11:30 – 12:20		
Counselor:	0.400					
Luis Carillo	S43G	(408) 864-5856	carilloluis@fhda.edu			
			e time listed, you may make an appo			
			ke a minimum of 10 hours per wee ected to work with your classmates			
class (no exce		s. Tou will be expe	cied to work with your classifiates			
Textbook:	Text: Collaborat i	ive Statistics, 2 nd	<u>Edition</u> by Illowsky and Dean			
	This text is available for free downloading at: <u>https://cnx.org/contents/XgdE-</u> <u>Z55@40.9:LnCqyaMt@17/Preface</u> You may download the text for free onto your computer and print out					
	the pages you want. (Note: If you plan on printing the entire book, please see the counselor to borrow a copy of the text.)					
Materials:			or (see www.rentcalculators.org to re			
			le for purchase at the bookstore (It is	dated Winter 2017)		
	Ruler, small stap					
Instructor We	b site: http://facu	ulty.deanza.fhda.ee	du/mathiosdiane/			
Quizzes:			e page of handwritten notes (one sig			
	understanding and completion of the homework problems. Your lowest quiz grade will be dropped. N					
	make-ups are given.					
Labs:	Lab assignments make use of the calculator. You will not be able to complete most labs in class. You will					
	have 5 pts deducted if you are absent the day that the lab data is collected and worked on in class.					
	Make sure you bring a copy of the lab to class on lab days (see calendar). No make-ups or late					
	papers will be accepted. NO labs will be dropped.					
Homework:	The nurnese of h	omework is to help	you learn the material in the course	Do the practices first We will		
Homework.	c: The purpose of homework is to help you learn the material in the course. <u>Do the practices first</u> . We will usually start them in class. They must be turned in with your HW. Then do the HW problems assigned. The					
	answers are at the end of each chapter. You must show your work for all HW problems. Graphs must be					
	done with a ruler. No credit will be given for answers only. Each student may turn in a HW assignment					
	one day late ONCE during the quarter. Other than this, no late HW will be accepted. Your lowest HW					
	score will be dro	ppea.				
Exams:	3 exams will be gi	ven. No make-ups	are given. Exams are closed book	. Students may bring to the exam		
			andwritten notes, a calculator, and,			
	English translation					
	A (
Final Exam:	A two-hour comprehensive exam will be given. Students may bring 2 pages (both sides) of handwritten notes to the final. <i>Finals must be taken at scheduled time during finals week.</i>					
		S must be taken at	scheduled time during finals week			
Attendance:	You are expected	to attend all class	es and be punctual. Tardies of 10	minutes or more count as half an		
	absence; missing more than 40 minutes of class (beginning or end) counts as an ABSENCE. If you					
	accumulate the equivalent of 5 absences, whatever the reason, you may be dropped from the course.					
	However, it is you	r responsibility to	drop the course, if necessary.			
Braiacta	Thora are 2 preis	oto Drojanto are di	one in around and make use of date	collected by the group No main		
Projects:		rs. Projects are do	one in groups and make use of data	conected by the group. No make-		
	apo or late paper					

Labs, homework and projects are due by the start of class (within first 5 minutes) on the due date. They may be turned in earlier, but THEY WILL NOT BE ACCEPTED LATE.

Exams (3@ 100) Quizzes (6@ 20) Labs (4@ 25) Final Exam Projects (2@ 50)	300 pts. 100 pts. (lowest 1 dropped) 100 pts. 100 pts. 100 pts.	A: B: C: D: F:	90 -100% 78 - 89% 66 - 77% 55 - 65% 0 - 54%
Homework (11@ 10)	100 pts. (lowest 1 dropped)		
	Quizzes (6@ 20) Labs (4@ 25) Final Exam	Quizzes (6@ 20) 100 pts. (lowest 1 dropped) Labs (4@ 25) 100 pts. Final Exam 100 pts. Projects (2@ 50) 100 pts.	Quizzes (6@ 20) 100 pts. (lowest 1 dropped) B: Labs (4@ 25) 100 pts. C: Final Exam 100 pts. D: Projects (2@ 50) 100 pts. F:

At the end of the quarter, if the final exam is the lowest exam, it will count as 1 exam. Therefore, the final exam and all other exams will count. If one of the 3 midterm exams is the lowest, then that midterm score will be **replaced** by the final score. Therefore, the final exam will count twice. In summary, you will have a total of 400 exam points.

Practices & Homework				
Chapter	Practices	HW Section #	Homework problems	
Ch 1:	Practice 1	1.12	1,3,5,7,9,11,12,16,17,28	
Ch 2:	Practice 1	2.13	1a-k, 5a-j,7,9,13,15,21,23	
Ch 12:		12.13	1, 3, 5, 9, 13, 15	
Ch 3:	Practice 1, 2	3.11	1, 3, 5, 7, 8, 9 – 13 odd, 15a-f,19, 21, 23	
Ch 4:	Practices 1, 2	4.15	1 – 11 odd For #7- 11odd,don't forget to do parts	
			a,b,c. See instruction before #7.	
Ch 5:			Read 5.1 Continuous Random Variables (no written HW)	
Ch 6:	Practice 1	6.8	1 – 7 odd, 8	
Ch 7:	Prac 1 skip ΣX	7.7	1a – f, 3, 5, 9, 13abcghij, 16	
Ch 8:	Practices 1 – 3	8.9	1, 5, 9, 13, 15, 17, 21	
Ch 9:	Practices 1 – 3	9.16	1all, 2bcegj, 5 – 13 odd, 19, 25 (use solution sheet except for 1, 2)	
Ch 10:	Practices 1 – 2	10.9	1 – 9 odd, 11, 15, 17, 19, 23, 25 (use solution sheet except for 1 – 9)	
			plus Types of Studies HW (packet p. 4)	
Ch 11:	Practices 1 – 2	11.11	2, 3, 7, 13, 15	
Ch 13:	Practice 1	13.8	1, 2, 7 plus handout (will not be collected, but material will be on	
			Final Exam)	

Topics to Skip

Ch 3: Venn diagrams	Ch 4:	Poisson, Geometric, Hypergeometric Distributions
Ch 5: Uniform, Exponential Distributions	Ch 7:	Central Limit Theorem for Sums
Ch 11: Test of One Variance	Ch 13:	Test of Two Variances
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Miscellaneous:

• Bring your text and your calculator to class every day. Bring the Math 10 Worksheet Packet to class every day.

• Take-home papers that are to be turned in for grading must be STAPLED (no doggy-ears or paper clips) before class. All papers turned in must be NEAT.

<u>Cell phones & pagers must be turned off or to vibrate mode</u>

• Students are encouraged to form study groups.

Graphs should be constructed with a ruler OR done by computer.

• Your grade is based on points and not a "curve."

• We expect you to answer word problems and questions with complete English sentences

	Spring 2018 MPS				as of 3/5/2018
	Monday	Tuesday	Wednesday	Thursday	Friday
Apr	Ch. 1	Ch.1	Ch.1	Ch.1	Ch 2
	Instruction begins		Begin Calculator		1.14 Ch. 1 Lab 2
	Read Ch. 1		Start Proj.1: 14.1.1		Read Ch. 2
	9	10	11	12	13
Apr	Ch. 2	Ch. 2	Ch 2	Ch 2	Ch . 12
	HW Ch. 1 - DUE		Proj 1 data check	Lab Due: Ch. 1	Read Ch. 12
			-		
	16	17	18	19	20
Apr	Ch . 12	Ch . 12	Ch. 12	Review	Exam 1
	Quiz: Ch. 1&2				Ch. 1,2,12
	HW Ch. 2 - DUE				HW Ch. 12 - DUE
	23	24	25	26	27
Apr	Ch. 3	Ch. 3	Ch. 3	 Ch. 3	3.13 Ch. 3 Lab
npi	Read Ch. 3	011. 0	Proj. 1 typed &	011: 0	5.15 On. 5 Eab
Marr	Neau Ch. 5		stapled packet due		
May	30	1	2	3	
λſ		•	Ch. 4		4
May	Ch. 4	Ch. 4	Un. 4	Ch 5/Ch 6	Ch 6
	Read Ch. 4	Quiz: Ch. 3		Read Ch 6	Quiz: Ch 4
		HW Ch. 3 - DUE		Lab Due: Ch. 3	HW Ch. 4 Due
	7	8	9	10	11
May	Ch 6	Ch 7	Ch 7	Ch 7	Ch 7
		Read Ch 7	HW Ch. 6 - DUE		7.10 Ch. 7 Lab 2
			Quiz: Ch. 6		
	14	15	16	17	18
May	Review	Exam 2	Ch 8	Ch. 8	Ch. 8
		Ch. 3, 4, 6, 7	Read Ch 8		
		HW Ch. 6 - DUE			
	21	22	23	24	25
May	Memorial Day	Ch 8/9	Ch 9	Ch 9	Ch. 9
	No Class		Read Ch 9	Start Proj.2: 14.4.3	Quiz: Ch 8
June			Lab due: Ch 7		HW Ch. 8 - DUE
	28	29	30	31	1
June	Ch 9	Ch. 9	Ch. 10	Ch. 10	Ch. 10
		Proj 2 Article &	Read Ch 10		Quiz: Ch.9
		typed proposal due			HW Ch. 9 - DUE
	4	5	6	7	8
Jun	Ch. 10	Review	Exam 3	Ch 11	Ch 11
	Project 2		Ch. 8,9,10	Read Ch 11	11.14 Ch. 11 Lab 2
	Data Check		HW Ch. 10 DUE		plus handout
	11	12	13	14	15
Jun	Ch. 11	Ch. 11	Ch 13	Ch. 13	Review for final
Juii	Project 2 typed &		Lab Due: Ch. 11	HW Ch. 11 DUE	Exam
	stapled packet due			no day of grace	
	Stapled packet due	19	20	10 day of grace 21	22
Iun	Finals	Final Exam	Finals	Finals	Finals
Jun	no class	9:15 - 11:15	no class	no class	no class
	no class	9.10 - 11.10	10 01055	10 01855	no ciass
	05	~~			
	25	26	27	28	29

Student Learning Outcome(s):

*Organize, analyze, and utilize appropriate methods to draw conclusions based on sample data by constructing and/or evaluating tables, graphs, and numerical measures of characteristics of data.

*Identify, evaluate, interpret and describe data distributions through the study of sampling distributions and probability theory.

*Collect data, interpret, compose and defend conjectures, and communicate the results of random data using statistical analyses such as interval and point estimates, hypothesis tests, and regression analysis.