



**Grading:**

3 exams @ 100 pts	300
Research project: Project plan statement, food & equipment list, sensory ballot, lab work during project execution	25
Research paper	100
2 lab reports @ 25 pts	50
Lab participation (preparation, participation in discussions, quizzes, flow charts study questions, neatness, cleanliness)	50
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Total	525

**Course grading:**

472- 525	A
420-471	B
367-419	C
315-366	D
<315	F

Day	Date	Lecture	Readings	Assignment due	Lab
T	9/1	Introduction			During lab this week, meet in the Chang library with Marty Kesselman. Come prepared with ideas for your project.
F	9/4	Expectations for research	“Experimental Perspectives” on reserve at Change		
F	9/11	Sugars, sweeteners	Chapter 8		#1 & #2 Introduction; pH, BP. Viscosity
T	9/15	Starches	Chapter 9		No lab this week
F	9/18	No class			
T	9/22	Vegetable gums	Chapter 9		#3 Sugars; Maillard, crystallization Lab report required
F	9/25	Glycemic index; Flours	Reserve reading Chapter 11		
T	9/29	Leavings; breads	Chapters 13 & 14		#4 Carbohydrates; gelatinization of starches
F	10/2	Plants	Chapters 27 & 28		
T	10/6	Sensory Evaluation	Chapters 1 & 2	Project plan statement due in lecture	# 5 & 6 Leavening agents; Gluten
F	10/9	Sensory evaluation		Lab report on Lab #3 due in lab this week	
T	10/13	Protein functions	Chapter 18	Food & equipment list & draft sensory ballot due	#7 Plant pigments; pectin
F	10/16	EXAM		Flow chart due	
T	10/20	Proteins	Chapter 18		Research project
F	10/23	Milk & cheese	Chapters 19 & 20		
T	10/27	Eggs	Chapter 21		Research project
F	10/30	Muscle foods	Chapters 22-24		
T	11/3	Enzymes			#8 Protein gelation (lab report required)
F	11/6	Fats	Chapters 17 & 25		
T	11/10	Fats			#9 Protein concentration; Foams
F	11/13	EXAM			
T	11/17	Statistics	Review mean, SD, t test in your statistics text	Lab report on Lab #8 due in lab this week	#10 Fats
F	11/20	Food additives			
T	11/24	Food Additives  Thanksgiving break			No lab this week
T	12/1	Food colors, flavors, seasonings			#11 Emulsions & fat replacers
F	12/4	Genetically modified foods	Reserve reading	Research papers due	
T	12/8	TBA			
F	12/11	EXAM			