

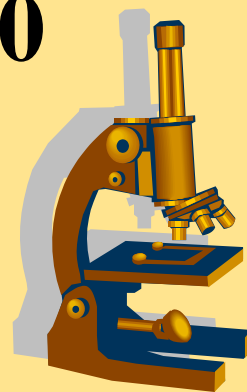
BIOL 1610

Department Wide

Pre/Post Test Assessment

Spring Semester 2010

(and before)



1107 Students

30 Lecture Sections (ACS = 37)

6 Full-time Faculty Members

7 Adjunct Faculty Members

39 Lab Sections (ACS =28.3)

16 Part-time Laboratory Instructors



Step Ahead.



Spring 2010

BIOL 1610 Pre-test and Post-test Data				
		Percent Proficient		
		Spring 2010		
	Objective (Students should understand...)	Pre	Post	Gain
1	The hierarchy of Biological Organization	36%	74%	38%
2	Atomic Structure	26%	62%	36%
3	Biological Macromolecules	64%	81%	17%
4	Protein Structure	24%	49%	25%
5	Cellular Organization	21%	70%	48%
6	Organelle Function	21%	61%	40%
7	Membrane Transport	34%	57%	23%
8	Cellular Respiration	12%	56%	44%
9	Photosynthesis	36%	67%	31%
10	Mitotic Cell Division	41%	78%	37%
11	Meiotic Cell Division	16%	56%	40%
12	Mendelian Genetics	39%	79%	40%
13	DNA Structure and Function	38%	67%	29%
14	The Central Dogma of Biology	28%	53%	25%
15	Population Genetics	25%	65%	40%
	Average	31%	65%	34%

Spring 2009 and Fall 2009

	BIOL 1610 Pre-test and Post-test Data						
		Percent Proficient					
		Spring 2009			Fall 2009		
	Objective (Students should understand...)	Pre	Post	Gain	Pre	Post	Gain
1	The hierarchy of Biological Organization	38%	73%	36%	30%	71%	42%
2	Atomic Structure	28%	44%	16%	28%	65%	37%
3	Biological Macromolecules	68%	85%	17%	62%	78%	16%
4	Protein Structure	23%	64%	41%	24%	63%	39%
5	Cellular Organization	29%	61%	32%	15%	69%	54%
6	Organelle Function	22%	65%	43%	22%	77%	55%
7	Membrane Transport	36%	54%	18%	39%	63%	24%
8	Cellular Respiration	49%	48%	-2%	13%	61%	48%
9	Photosynthesis	34%	65%	32%	34%	70%	36%
10	Mitotic Cell Division	41%	85%	45%	40%	82%	42%
11	Meiotic Cell Division	16%	51%	35%	18%	63%	45%
12	Mendelian Genetics	41%	86%	45%	42%	84%	42%
13	DNA Structure and Function	44%	79%	35%	35%	73%	37%
14	The Central Dogma of Biology	30%	64%	34%	27%	79%	52%
15	Population Genetics	22%	70%	48%	25%	69%	45%
	Average	35%	66%	31%	30%	71%	41%

Summer 2009

BIOL 1610 Pre-test and Post-test Data				
		Percent Proficient		
		Summer 2009		
	Objective (Students should understand...)	Pre	Post	Gain
1	The hierarchy of Biological Organization	33%	86%	53%
2	Atomic Structure	25%	54%	29%
3	Biological Macromolecules	80%	87%	7%
4	Protein Structure	38%	57%	19%
5	Cellular Organization	11%	84%	73%
6	Organelle Function	22%	77%	55%
7	Membrane Transport	38%	51%	13%
8	Cellular Respiration	16%	54%	38%
9	Photosynthesis	30%	66%	36%
10	Mitotic Cell Division	50%	90%	40%
11	Meiotic Cell Division	11%	66%	55%
12	Mendelian Genetics	34%	84%	50%
13	DNA Structure and Function	38%	72%	34%
14	The Central Dogma of Biology	27%	76%	49%
15	Population Genetics	22%	76%	54%
	Average	31%	71%	40%