
DATE: December 1, 2019
TO: Jeff Schinske, Biology Faculty | Ram Subramanian, PSME Dean
Doreen Finkelstein, Acting College Researcher
FROM: Lisa Ly, Research Analyst
RE: 2018 Anatomy & Physiology Institute

Overview

A 16-week, fast track Anatomy and Physiology Institute, consisting of BIOL 40A/B/C¹ was offered in spring/summer 2018. Institution Research & Planning (IR&P) was asked to examine the Institute's course success rate and equity gaps to help faculty determine whether the Institute should be offered in spring/summer 2020. Data for the non-fast track BIOL 40A/B/C (primary terms in 2018-19) are provided for comparison. The data in this memo is an aggregate of the BIOL 40A/B/C courses.

Highlights

- **Enrollment Distribution:** Institute and non-Institute groups consist of mostly female, Asian, White and Latinx students. However, the Institute has a larger proportion of Asians than its counterpart in the comparison group (49% vs. 36%) and fewer White (18% vs 21%) and Latinx (18% vs. 25%) students.
- **Course Success & Course Retention:** The Institute has a higher success rate than non-Institute group (96% vs. 84%) and a higher course retention rate (98% vs. 91%).
- For both groups, males have a higher success rate and are more likely to be retained than their female counterpart.
- The success and retention rates of Asian, White and Latin students are higher in the Institute group than compared to their counterparts in the comparison group. Latinx course success and retention rates are lower than the overall rates of both groups.

¹ Anatomy and Physiology Institute course sections: (1) 201841_BIOL_F040A_42264, (2) 201911_BIOL_F040B_10049, (3) 201911_BIOL_F040B_10050, (4) 201911_BIOL_F040C_10976, and (5) 201911_BIOL_F040C_10977.

SPRING 2018-SUMMER 2018 ANATOMY & PHYSIOLOGY INSTITUTE												
	Enrollment Distribution		Course Outcomes						Course Retention		Percentage Point Gap to Total	
			Success		Non-Success		Withdrew					
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Success	Retention
Gender												
Female	136	82%	130	95.6%	3	2.2%	3	2.2%	133	97.8%	-0.8	-0.4
Male	29	18%	29	100.0%	0	0.0%	0	0.0%	29	100.0%	3.6	1.8
Unknown	0	0%	0	-	0	-	0	-	0	-	-	-
Total	165	100%	159	96.4%	3	1.8%	3	1.8%	162	98.2%	-	-
Ethnicity												
African American	5	3%	5	100.0%	0	0.0%	0	0.0%	5	100.0%	3.6	1.8
Asian	81	49%	80	98.8%	0	0.0%	1	1.2%	80	98.8%	2.4	0.6
Filipinx	20	12%	20	100.0%	0	0.0%	0	0.0%	20	100.0%	3.6	1.8
Latinx	29	18%	24	82.8%	3	10.3%	2	6.9%	27	93.1%	-13.6	-5.1
Native American	1	1%	1	100.0%	0	0.0%	0	0.0%	1	100.0%	3.6	1.8
Pacific Islander	0	0%	0	-	0	-	0	-	0	-	-	-
White	29	18%	29	100.0%	0	0.0%	0	0.0%	29	100.0%	3.6	1.8
Decline to State	0	0%	0	-	0	-	0	-	0	-	-	-
Total	165	100%	159	96.4%	3	1.8%	3	1.8%	162	98.2%	-	-

2018-19* NON-INSTITUTE COMPARISON GROUP												
	Enrollment Distribution		Course Outcomes						Course Retention		Percentage Point Gap to Total	
			Success		Non-Success		Withdrew					
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Success	Retention
Gender												
Female	870	71%	724	83.2%	66	7.6%	80	9.2%	790	90.8%	-0.3	-0.6
Male	354	29%	298	84.2%	31	8.8%	25	7.1%	329	92.9%	0.7	1.6
Unknown	6	0%	5	83.3%	0	0.0%	1	16.7%	5	83.3%	-0.2	-8.0
Total	1,230	100%	1,027	83.5%	97	7.9%	106	8.6%	1,124	91.4%	-	-
Ethnicity												
African American	43	3%	28	65.1%	7	16.3%	8	18.6%	35	81.4%	-18.4	-10.0
Asian	440	36%	388	88.2%	25	5.7%	27	6.1%	413	93.9%	4.7	2.5
Filipinx	156	13%	132	84.6%	13	8.3%	11	7.1%	145	92.9%	1.1	1.6
Latinx	307	25%	237	77.2%	33	10.7%	37	12.1%	270	87.9%	-6.3	-3.4
Native American	2	0%	2	100.0%	0	0.0%	0	0.0%	2	100.0%	16.5	8.6
Pacific Islander	4	0%	4	100.0%	0	0.0%	0	0.0%	4	100.0%	16.5	8.6
White	263	21%	225	85.6%	16	6.1%	22	8.4%	241	91.6%	2.1	0.3
Decline to State	15	1%	11	73.3%	3	20.0%	1	6.7%	14	93.3%	-10.2	2.0
Total	1,230	100%	1,027	83.5%	97	7.9%	106	8.6%	1,124	91.4%	-	-

*2018-19 primary terms: fall, winter and spring.