



FOOTHILL COLLEGE

Institutional Research and Planning

DATE: April 5, 2017
TO: Sara Cooper, Instructor
Nanette Solvason, Dean of Biological & Health Sciences
Andrew LaManque, Interim Vice President of Instruction & Institutional Research
FROM: Lisa Ly, Acting College Researcher
RE: BIOL 41 Success Rate Comparison BIOL 10/14 Completers vs. BIOL 10/14 Enrollees

Overview

Microbiology is preparing to have a department-wide discussion to align the prerequisites for BIOL 40 Human Anatomy and 41 Microbiology. Institutional Research & Planning (IR&P) was asked to examine and compare the BIOL 41 success rates of students who completed BIOL 10 or 14 prior to enrolling in BIOL 41 versus those who have not taken BIOL 10/14.

For the analysis, students who successfully completed BIOL 10 or 14 during academic years 2011 to 2016 (6 year period) were tracked to determine if they enrolled in BIOL 41. For the students who did enroll in BIOL 41, only their first enrollment was tracked (n=10) (o)=8 (t)]TJ 0.001 Tc 2.46

¹ Successful completion includes grades of A, B, C or Pass.

Figure 1

Comparison Groups

For the analysis, there are three comparison groups: (1) BIOL 10 enrollees, (2) BIOL 14 enrollees and Non-BIOL 10/14 enrollees. Overall, very few BIOL 10 and 14 completers have enrolled in BIOL 41.

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BIOL 41 Course Outcomes

- x While the BIOL 41 course success rate is at least 80%, students who completed BIOL 10 or BIOL 14 prior to enrolling in BIOL 41 had lower success rates in BIOL 41 (80% and 82%, respectively) than compared to students ~~who~~ never enrolled in BIOL 10/14 (84%).
- x In general, ~~students~~ who *never enrolled* in BIOL 10 or BIOL 14 have a higher success rate (84%) than compared to those who completed BIOL 10 (80%) or BIOL 14 (81%), regardless ~~of~~ whether students completed BIOL 10/14 ~~in a~~ relation to enrolling in BIOL 41.
- x Among BIOL 10/14 completers, ~~most~~ of them enrolled in BIOL 10/14 prior ~~to~~ enrolling in BIOL 41.
f BIOL 10 completersT