

**To:** Bruce Heyer, Biology Instructor

**From:** Mallory Newell, De Anza Researcher

**Date:** 12/16/2011

**Subject:** Follow- up questions to 'Success in BIOL 6A based on pathway into BIOL 6A'

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An analysis of BIOL 6A students was performed in August, 2011, based upon this analysis faculty members had additional questions. This document attempts to address those questions.

**1. Of the students who are enrolled in BIOL 6A, how many repeated the course?**

- BIOL 6A students were tracked from 2005-06 to 2010-11 to determine how many students repeat the course. This resulted in 242 (14%) students re-taking the course 2 or more times out of 1,670 students who took the course over the time period. This excludes summer terms.

**2. What is the success rate of the students who repeated BIOL 6A?**

- Students who took the course only once had the highest success rate of 77%.
- None of the students who repeated the course received a successful grade the first time they took the course.
- When including the most recent grade in the course, success rates decreased with each additional time the student took the course. For example, students who took the course twice had a success rate of 70%. Students who took the course 3 times dropped to 50% and students who took the course 4 or more times further dropped to a success rate of 40%.

**3. How many international students are enrolled in BIOL 6A, and what is their success rate?**

- In 2010-11 364 students took BIOL 6A, of those students, 32 (9%) were international students.
- International students had a success rate of 56% while non international students had only a slightly higher success rate of 58%.

BIOL 6A - Student Success

1. Of the students who are enrolled in BIOL6A, how many have repeated the course?

**Repeat Course Takers - 2005-06 through 2010-11**

|           | 1 Time | 2 Times | 3 Times | 4 Times | Distinct |
|-----------|--------|---------|---------|---------|----------|
| BIOLD006A | 1,428  | 199     | 38      | 5       | 1,670    |

Note: Unduplicated students who received a grade (including W) in BIOL6A between 2005-06 and 2010-11.

2. What is the success rate of the students who repeated BIOL6A?

**Success Rates of Repeat Course Takers by Number of Repeats in BIOL6A - 2005-06 through 2010-11**  
Grade in Last Term

|         | Success |         | Non Success |         | Withdraw |         | Total  |         |
|---------|---------|---------|-------------|---------|----------|---------|--------|---------|
|         | Grades  | Percent | Grades      | Percent | Grades   | Percent | Grades | Percent |
| 1 Time  | 1,103   | 77%     | 148         | 10%     | 177      | 12%     | 1,428  | 100%    |
| 2 Times | 140     | 70%     | 40          | 20%     | 19       | 10%     | 199    | 100%    |
| 3 Times | 19      | 50%     | 18          | 47%     | 1        | 3%      | 38     | 100%    |
| 4 Times | 2       | 40%     | 2           | 40%     | 1        | 20%     | 5      | 100%    |
| Total   | 1,264   | 76%     | 208         | 12%     | 198      | 12%     | 1,670  | 100%    |

Note: Success rates of students who received a grade in BIOL6A based on the times they took the course between 2005-06 and 2010-11. Their last term grade was included. Success = A, B, C, P, Non Success = D, F, I, NP, Withdraw = W. Excludes summer.

**Success Rates of Repeat Course Takers by Number of Repeats in BIOL6A - 2005-06 through 2010-11**  
Grade in First Term

|         | Success |         | Non Success |         | Withdraw |         | Total  |         |
|---------|---------|---------|-------------|---------|----------|---------|--------|---------|
|         | Grades  | Percent | Grades      | Percent | Grades   | Percent | Grades | Percent |
| 1 Time  | 1,103   | 77%     | 148         | 10%     | 177      | 12%     | 1,428  | 100%    |
| 2 Times |         |         | 116         | 58%     | 83       | 42%     | 199    | 100%    |
| 3 Times |         |         | 19          | 50%     | 19       | 50%     | 38     | 100%    |
| 4 Times |         |         | 1           | 20%     | 4        | 80%     | 5      | 100%    |
| Total   | 1,103   | 66%     | 284         | 17%     | 283      | 17%     | 1,670  | 100%    |

Note: Success rates of students who received a grade in BIOL6A based on the times they took the course between 2005-06 and 2010-11. Their first term grade was included. Success = A, B, C, P, Non Success = D, F, I, NP, Withdraw = W. Excludes summer

3. How many international students are enrolled in BIOL6A, and what is their success rate?

**Success Rates of International Students in BIOL6A - 2010-11**

|           | Success |         | Non Success |         | Withdraw |         | Total  |         |
|-----------|---------|---------|-------------|---------|----------|---------|--------|---------|
|           | Grades  | Percent | Grades      | Percent | Grades   | Percent | Grades | Percent |
| F1 and FZ | 18      | 56%     | 7           | 22%     | 7        | 22%     | 32     | 100%    |
| All Other | 193     | 58%     | 72          | 23%     | 60       | 19%     | 325    | 100%    |
| Total     | 211     | 58%     | 79          | 23%     | 67       | 19%     | 357    | 100%    |

Note: International students are defined as students with an F1 or FZ visa. Includes grades received in 2010-11. Students' visa status may change from term to term resulting in duplicate counts.