

PROGRAM REVIEW DATA

10/19/15

Foothill College

Physics-FD

Physical Scienc, Math & Engin

Enrollment Trends

| | 2012-13 | 2013-14 | 2014-15 | 1 yr % Inc |
|------------------------|---------|---------|---------|------------|
| Unduplicated Headcount | 878 | 889 | 953 | 7.2% |
| Enrollment | 1,309 | 1,423 | 1,495 | 5.1% |
| Sections | 61 | 68 | 69 | 1.5% |
| WSCH | 9,428 | 9,948 | 10,103 | 1.6% |
| FTEF | 210 | 221 | 225 | 1.6% |
| FTEF | 7.4 | 8.0 | 8.1 | 1.8% |
| Productivity | 423 | 415 | 414 | -0.3% |

Full and Part Time Faculty Load

| | 2012-13 | 2013-14 | 2014-15 | 1 yr % Inc |
|----------------|---------|---------|---------|------------|
| Full Time Load | 2.7 | 2.7 | 2.6 | -6.4% |
| Full Time % | 37% | 34% | 32% | -8.0% |
| Overload | 0.3 | 0.6 | 0.7 | 12.9% |
| Overload % | 4% | 7% | 8% | 10.9% |
| Part Time Load | 4.4 | 4.6 | 4.9 | 5.2% |
| Part Time % | 59% | 58% | 60% | 3.4% |
| Total FTEF | 7.4 | 8.0 | 8.1 | 1.8% |

Course Success

| | All Students | | | | | |
|-------------|--------------|---------|---------|---------|---------|---------|
| | 2012-13 | | 2013-14 | | 2014-15 | |
| | Grades | Percent | Grades | Percent | Grades | Percent |
| Success | 923 | 71% | 1,009 | 71% | 1,063 | 71% |
| Non Success | 194 | 15% | 219 | 15% | 217 | 15% |
| Withdrew | 191 | 15% | 195 | 14% | 215 | 14% |
| Total | 1,308 | 100% | 1,423 | 100% | 1,495 | 100% |

Release/Re-assignTime

| FTEF |
|------|
|------|

Course Success by Targeted Ethnic Groups

| | Targeted Groups | | | | | | Not Targeted Groups | | | | | |
|-------------|-----------------|---------|---------|---------|---------|---------|---------------------|---------|---------|---------|---------|---------|
| | 2012-13 | | 2013-14 | | 2014-15 | | 2012-13 | | 2013-14 | | 2014-15 | |
| | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| Success | 123 | 63% | 106 | 59% | 124 | 61% | 800 | 72% | 903 | 73% | 939 | 73% |
| Non Success | 34 | 17% | 40 | 22% | 36 | 18% | 160 | 14% | 179 | 14% | 181 | 14% |
| Withdrew | 38 | 19% | 35 | 19% | 44 | 22% | 153 | 14% | 160 | 13% | 171 | 13% |
| Total | 195 | 100% | 181 | 100% | 204 | 100% | 1,113 | 100% | 1,242 | 100% | 1,291 | 100% |

Distribution by Ethnicity

| | 2014-15 | |
|------------------|---------|---------|
| | Enr | Percent |
| African American | 28 | 2% |
| Asian | 642 | 43% |
| Filipino | 58 | 4% |
| Latino/a | 118 | 8% |
| Native American | 5 | 0% |
| Pacific Islander | 6 | 0% |
| White | 397 | 27% |
| Decline to State | 241 | 16% |
| Total | 1,495 | 100% |

Gender

| | 2014-15 | |
|--------|---------|---------|
| | Enr | Percent |
| Female | 471 | 32% |
| Male | 1,024 | 68% |
| Total | 1,495 | 100% |

Age

| | 2014-15 | |
|------------|---------|---------|
| | Enr | Percent |
| 19 or less | 316 | 21% |
| 20-24 | 908 | 61% |
| 25-39 | 244 | 16% |
| 40 + | 27 | 2% |
| Total | 1,495 | 100% |

Highest Degree

| | 2014-15 | |
|--------------------|---------|---------|
| | Enr | Percent |
| Bachelor or higher | 135 | 9% |
| Associate | 46 | 3% |
| HS/Equivalent | 1,136 | 76% |
| All Other | 178 | 12% |
| Total | 1,495 | 100% |

Success Rates by Gender

| | 2014-15 | | | | | | | |
|--------|---------|---------|-------------|---------|----------|---------|--------|---------|
| | Success | | Non Success | | Withdraw | | Total | |
| | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| Female | 347 | 74% | 58 | 12% | 66 | 14% | 471 | 100% |
| Male | 716 | 70% | 159 | 16% | 149 | 15% | 1,024 | 100% |
| Total | 1,063 | 71% | 217 | 15% | 215 | 14% | 1,495 | 100% |

Success Rates by Age Group

| | 2014-15 | | | | | | | |
|------------|---------|---------|-------------|---------|----------|---------|--------|---------|
| | Success | | Non Success | | Withdraw | | Total | |
| | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| 19 or less | 248 | 78% | 32 | 10% | 36 | 11% | 316 | 100% |
| 20-24 | 637 | 70% | 139 | 15% | 132 | 15% | 908 | 100% |
| 25-39 | 158 | 65% | 42 | 17% | 44 | 18% | 244 | 100% |
| 40 + | 20 | 74% | 4 | 15% | 3 | 11% | 27 | 100% |

Success Rates by Ethnicity (multiple years)

| | | Success | | Non Success | | Withdraw | | Total | |
|------------------|---------|------------------|---------|-------------|---------|----------|---------|--------|---------|
| | | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| | | African American | 2014-15 | 24 | 86% | 1 | 4% | 3 | 11% |
| | 2013-14 | 15 | 65% | 4 | 17% | 4 | 17% | 23 | 100% |
| | 2012-13 | 17 | 63% | 3 | 11% | 7 | 26% | 27 | 100% |
| Asian | 2014-15 | 448 | 70% | 90 | 14% | 104 | 16% | 642 | 100% |
| | 2013-14 | 503 | 72% | 99 | 14% | 101 | 14% | 703 | 100% |
| | 2012-13 | 481 | 72% | 99 | 15% | 90 | 13% | 670 | 100% |
| Filipino | 2014-15 | 36 | 62% | 9 | 16% | 13 | 22% | 58 | 100% |
| | 2013-14 | 11 | 55% | 4 | 20% | 5 | 25% | 20 | 100% |
| | 2012-13 | 20 | 61% | 7 | 21% | 6 | 18% | 33 | 100% |
| Latino/a | 2014-15 | 64 | 54% | 26 | 22% | 28 | 24% | 118 | 100% |
| | 2013-14 | 80 | 58% | 32 | 23% | 26 | 19% | 138 | 100% |
| | 2012-13 | 86 | 64% | 24 | 18% | 25 | 19% | 135 | 100% |
| Native American | 2014-15 | 1 | 20% | 4 | 80% | | | 5 | 100% |
| | 2013-14 | 6 | 67% | 1 | 11% | 2 | 22% | 9 | 100% |
| | 2012-13 | 6 | 67% | | | 3 | 33% | 9 | 100% |
| Pacific Islander | 2014-15 | 4 | 67% | 1 | 17% | 1 | 17% | 6 | 100% |
| | 2013-14 | 11 | 79% | 1 | 7% | 2 | 14% | 14 | 100% |
| | 2012-13 | 6 | 86% | 1 | 14% | | | 7 | 100% |
| White | 2014-15 | 307 | 77% | 40 | 10% | 50 | 13% | 397 | 100% |
| | 2013-14 | 276 | 73% | 56 | 15% | 45 | 12% | 377 | 100% |
| | 2012-13 | 250 | 73% | 40 | 12% | 52 | 15% | 342 | 100% |
| Decline to State | 2014-15 | 179 | 74% | 46 | 19% | 16 | 7% | 241 | 100% |
| | 2013-14 | 107 | 77% | 22 | 16% | 10 | 7% | 139 | 100% |
| | 2012-13 | 57 | 67% | 20 | 24% | 8 | 9% | 85 | 100% |

Notes and Definitions

Data is for the fiscal year, including summer (and Foothill's early summer).

Figures include Apprenticeship.

Enrollment trends include students counted for apportionment for those report years.

Success data excludes students that dropped after census.

Ethnicity data prioritizes multi-ethnic students to targeted groups.

Gender data prioritizes unreported to female.

Cross-listed courses are included in home department.

WSCH:

Sum of quarterly
End-of-Term Weekly
Student Contact Hours. 4 Quarters.

FTES:

Fulltime equivalent students,
(WSCH * 11.67) / 525.

FTEF:

Sum of teaching load factors for Summer, Fall, Winter, and Spring quarters, excluding all release/re-assignments.

FT and PT Load:

FT - Fulltime assignment types
0 and 3 (on load, paid and nonpaid).
PT - Parttime all other assignment types, including 2 - overload.

Productivity:

4-term total WSCH /
4-term total FTEF,
excluding all release/re-assignments.

Success %:

Number of students receiving an A,B,C or P grade / total number of students receiving a grade.

Targeted Groups:

African Americans, Latinos, Filipinos

Release / Re-assign Time:

NonTeaching - 994 - Sick Leave
Teaching: -
991 - BHES
995 - PDL
996 - Release-Division
999 - Faculty Release-Contractual

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Enrollment Trends by Course (multiple years)

| | | 2012-13 | 2013-14 | 2014-15 | 1 yr. % Inc | |
|------|-------|--------------|---------|---------|-------------|------|
| PHYS | F002A | Enrollment | 332 | 319 | 342 | 7% |
| | | Productivity | 488 | 415 | 474 | 14% |
| | F002B | Enrollment | 89 | 113 | 103 | -9% |
| | | Productivity | 241 | 284 | 241 | -15% |
| | F002C | Enrollment | 50 | 51 | 57 | 12% |
| | | Productivity | 310 | 316 | 286 | -10% |
| | F004A | Enrollment | 321 | 347 | 325 | -6% |
| | | Productivity | 453 | 520 | 466 | -10% |
| | F004B | Enrollment | 243 | 264 | 265 | 0% |
| | | Productivity | 468 | 460 | 461 | 0% |
| | F004C | Enrollment | 148 | 133 | 154 | 16% |
| | | Productivity | 359 | 280 | 344 | 23% |
| | F004D | Enrollment | 46 | 53 | 44 | -17% |
| | | Productivity | 505 | 582 | 483 | -17% |
| | F006. | Enrollment | | 22 | 52 | 136% |
| | | Productivity | | 330 | 390 | 18% |
| | F012. | Enrollment | 66 | 69 | 71 | 3% |
| | | Productivity | 991 | 1,036 | 1,066 | 3% |
| | F02AM | Enrollment | 7 | 24 | 38 | 58% |
| | | Productivity | 53 | 182 | 192 | 6% |
| | F02BM | Enrollment | | 20 | 18 | -10% |
| | | Productivity | | 152 | 273 | 80% |
| | F02CM | Enrollment | 2 | 8 | 13 | 63% |
| | | Productivity | 30 | 121 | 197 | 63% |
| | F036. | Enrollment | 5 | | | |
| | | Productivity | 104 | | | |
| | F054H | Enrollment | | | 13 | |
| | | Productivity | | | 197 | |

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Success Rates by Course (multiple years)

| | | | Success | | Non Success | | Withdrew | | Total | |
|-------|-------|---------|---------|---------|-------------|---------|----------|---------|--------|---------|
| | | | Grades | Percent | Grades | Percent | Grades | Percent | Grades | Percent |
| PHYS | F002A | 2014-15 | 232 | 68% | 51 | 15% | 59 | 17% | 342 | 100% |
| | | 2013-14 | 192 | 60% | 61 | 19% | 66 | 21% | 319 | 100% |
| | | 2012-13 | 208 | 63% | 63 | 19% | 60 | 18% | 331 | 100% |
| F002B | F002B | 2014-15 | 87 | 84% | 9 | 9% | 7 | 7% | 103 | 100% |
| | | 2013-14 | 93 | 82% | 8 | 7% | 12 | 11% | 113 | 100% |
| | | 2012-13 | 74 | 83% | 12 | 13% | 3 | 3% | 89 | 100% |
| F002C | F002C | 2014-15 | 49 | 86% | 3 | 5% | 5 | 9% | 57 | 100% |
| | | 2013-14 | 47 | 92% | 3 | 6% | 1 | 2% | 51 | 100% |
| | | 2012-13 | 49 | 98% | | | 1 | 2% | 50 | 100% |
| F004A | F004A | 2014-15 | 225 | 69% | 56 | 17% | 44 | 14% | 325 | 100% |
| | | 2013-14 | 212 | 61% | 74 | 21% | 61 | 18% | 347 | 100% |
| | | 2012-13 | 215 | 67% | 51 | 16% | 55 | 17% | 321 | 100% |
| F004B | F004B | 2014-15 | 141 | 53% | 62 | 23% | 62 | 23% | 265 | 100% |
| | | 2013-14 | 192 | 73% | 42 | 16% | 30 | 11% | 264 | 100% |
| | | 2012-13 | 150 | 62% | 50 | 21% | 43 | 18% | 243 | 100% |
| F004C | F004C | 2014-15 | 128 | 83% | 15 | 10% | 11 | 7% | 154 | 100% |
| | | 2013-14 | 113 | 85% | 13 | 10% | 7 | 5% | 133 | 100% |
| | | 2012-13 | 126 | 85% | 10 | 7% | 12 | 8% | 148 | 100% |
| F004D | F004D | 2014-15 | 40 | 91% | | | 4 | 9% | 44 | 100% |
| | | 2013-14 | 47 | 89% | | | 6 | 11% | 53 | 100% |
| | | 2012-13 | 40 | 87% | | | 6 | 13% | 46 | 100% |
| F006. | F006. | 2014-15 | 34 | 65% | 7 | 13% | 11 | 21% | 52 | 100% |
| | | 2013-14 | 14 | 64% | 4 | 18% | 4 | 18% | 22 | 100% |
| F012. | F012. | 2014-15 | 56 | 79% | 11 | 15% | 4 | 6% | 71 | 100% |
| | | 2013-14 | 55 | 80% | 10 | 14% | 4 | 6% | 69 | 100% |
| | | 2012-13 | 50 | 76% | 8 | 12% | 8 | 12% | 66 | 100% |
| F02AM | F02AM | 2014-15 | 29 | 76% | 3 | 8% | 6 | 16% | 38 | 100% |
| | | 2013-14 | 19 | 79% | 1 | 4% | 4 | 17% | 24 | 100% |
| | | 2012-13 | 4 | 57% | | | 3 | 43% | 7 | 100% |
| F02BM | F02BM | 2014-15 | 17 | 94% | | | 1 | 6% | 18 | 100% |
| | | 2013-14 | 18 | 90% | 2 | 10% | | | 20 | 100% |
| F02CM | F02CM | 2014-15 | 12 | 92% | | | 1 | 8% | 13 | 100% |
| | | 2013-14 | 7 | 88% | 1 | 13% | | | 8 | 100% |
| | | 2012-13 | 2 | 100% | | | | | 2 | 100% |
| F036. | F036. | 2012-13 | 5 | 100% | | | | | 5 | 100% |
| F054H | F054H | 2014-15 | 13 | 100% | | | | | 13 | 100% |