# LMC INTRUCTIONAL PROGRAM REVIEW
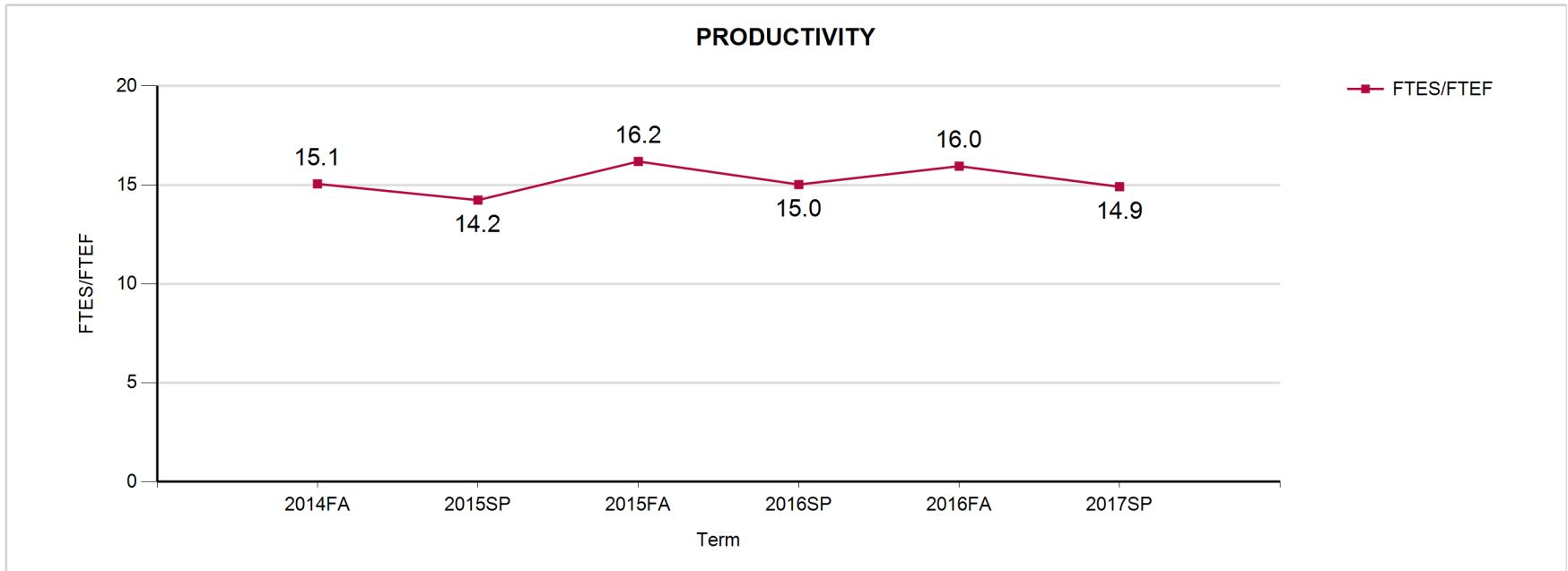## PHYS - Physics

| SEC TERM | SEC DEPTS | SEC SUBJECT | SEC COURSE NO | MAX SEATS | CURRENT | CENTUS | FTES | FTEF | FTES/FTEF |
|----------|-----------|-------------|---------------|-----------|---------|--------|------|------|-----------|
| 2014FA | | | Total ==> | 230 | 187 | 216 | 42.405 | 2.817 | 15.055 |
| 2015SP | | | Total ==> | 268 | 202 | 227 | 45.078 | 3.167 | 14.235 |
| 2015FA | | | Total ==> | 306 | 237 | 286 | 56.931 | 3.517 | 16.189 |
| 2016SP | | | Total ==> | 282 | 202 | 233 | 46.826 | 3.117 | 15.025 |
| 2016FA | | | Total ==> | 306 | 246 | 279 | 56.095 | 3.517 | 15.952 |
| 2017SP | | | Total ==> | 326 | 244 | 262 | 52.477 | 3.520 | 14.910 |

## PRODUCTIVITY

# LMC INTRUCTIONAL PROGRAM REVIEW
**PHYS - Physics**

## HEADCOUNT BY POPULATION

| ETHNICITY | 2014FA | | 2015SP | | 2015FA | | 2016SP | | 2016FA | | 2017SP | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| African American | 10 | 5.4% | 16 | 7.9% | 20 | 7.8% | 20 | 9.3% | 19 | 7.5% | 18 | 7.4% |
| Asian | 30 | 16.2% | 25 | 12.4% | 26 | 10.1% | 24 | 11.2% | 22 | 8.7% | 29 | 12.0% |
| Filipino | 21 | 11.4% | 19 | 9.4% | 25 | 9.7% | 18 | 8.4% | 18 | 7.1% | 20 | 8.3% |
| Hispanic | 63 | 34.1% | 74 | 36.6% | 100 | 38.8% | 81 | 37.9% | 94 | 37.0% | 78 | 32.2% |
| Other/Undeclared | 8 | 4.3% | 4 | 2.0% | 9 | 3.5% | 13 | 6.1% | 7 | 2.8% | 12 | 5.0% |
| White | 53 | 28.6% | 64 | 31.7% | 78 | 30.2% | 58 | 27.1% | 94 | 37.0% | 85 | 35.1% |
| **GENDER** | | | | | | | | | | | | |
| Female | 64 | 34.6% | 73 | 36.1% | 89 | 34.5% | 92 | 43.0% | 93 | 36.6% | 77 | 31.8% |
| Male | 119 | 64.3% | 127 | 62.9% | 166 | 64.3% | 122 | 57.0% | 159 | 62.6% | 165 | 68.2% |
| Unknown Gender | 2 | 1.1% | 2 | 1.0% | 3 | 1.2% | 0 | 0.0% | 2 | 0.8% | 0 | 0.0% |
| **DISABILITIES** | | | | | | | | | | | | |
| With Disabilities | 7 | 3.8% | 11 | 5.4% | 9 | 3.5% | 10 | 4.7% | 8 | 3.1% | 10 | 4.1% |
| Without Disabilities | 178 | 96.2% | 191 | 94.6% | 249 | 96.5% | 204 | 95.3% | 246 | 96.9% | 232 | 95.9% |
| **FOSTER YOUTH** | | | | | | | | | | | | |
| Foster Youth | 8 | 4.3% | 11 | 5.4% | 5 | 1.9% | 7 | 3.3% | 9 | 3.5% | 10 | 4.1% |
| Non-Foster Youth | 177 | 95.7% | 191 | 94.6% | 253 | 98.1% | 207 | 96.7% | 245 | 96.5% | 232 | 95.9% |
| **VETERANS** | | | | | | | | | | | | |
| Non-Veteran | 181 | 97.8% | 186 | 92.1% | 248 | 96.1% | 205 | 95.8% | 241 | 94.9% | 226 | 93.4% |
| Veteran | 4 | 2.2% | 16 | 7.9% | 10 | 3.9% | 9 | 4.2% | 13 | 5.1% | 16 | 6.6% |
| **LOW INCOME** | | | | | | | | | | | | |
| Low Income | 119 | 64.3% | 137 | 67.8% | 165 | 64.0% | 141 | 65.9% | 160 | 63.0% | 152 | 62.8% |
| Non-Lo-Income | 66 | 35.7% | 65 | 32.2% | 93 | 36.0% | 73 | 34.1% | 94 | 37.0% | 90 | 37.2% |
| **TOTAL ==>** | **185** | **100.0%** | **202** | **100.0%** | **258** | **100.0%** | **214** | **100.0%** | **254** | **100.0%** | **242** | **100.0%** |

# LMC INTRUCTIONAL PROGRAM REVIEW
**PHYS - Physics**

## SEAT COUNT BY POPULATION

| ETHNICITY | 2014FA | | 2015SP | | 2015FA | | 2016SP | | 2016FA | | 2017SP | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| African American | 12 | 5.6% | 19 | 8.4% | 24 | 8.4% | 23 | 9.9% | 19 | 6.8% | 18 | 6.9% |
| Asian | 38 | 17.6% | 32 | 14.2% | 30 | 10.5% | 27 | 11.6% | 24 | 8.6% | 31 | 11.8% |
| Filipino | 23 | 10.6% | 21 | 9.3% | 27 | 9.4% | 20 | 8.6% | 22 | 7.9% | 22 | 8.4% |
| Hispanic | 74 | 34.3% | 83 | 36.7% | 111 | 38.8% | 89 | 38.2% | 102 | 36.7% | 85 | 32.4% |
| Other/Undeclared | 10 | 4.6% | 5 | 2.2% | 10 | 3.5% | 14 | 6.0% | 7 | 2.5% | 12 | 4.6% |
| White | 59 | 27.3% | 66 | 29.2% | 84 | 29.4% | 60 | 25.8% | 104 | 37.4% | 94 | 35.9% |
| **GENDER** | | | | | | | | | | | | |
| Female | 85 | 39.4% | 87 | 38.5% | 113 | 39.5% | 107 | 45.9% | 106 | 38.1% | 87 | 33.2% |
| Male | 129 | 59.7% | 137 | 60.6% | 170 | 59.4% | 126 | 54.1% | 170 | 61.2% | 175 | 66.8% |
| Unknown Gender | 2 | 0.9% | 2 | 0.9% | 3 | 1.0% | 0 | 0.0% | 2 | 0.7% | 0 | 0.0% |
| **DISABILITIES** | | | | | | | | | | | | |
| With Disabilities | 8 | 3.7% | 11 | 4.9% | 11 | 3.8% | 12 | 5.2% | 10 | 3.6% | 13 | 5.0% |
| Without Disabilities | 208 | 96.3% | 215 | 95.1% | 275 | 96.2% | 221 | 94.8% | 268 | 96.4% | 249 | 95.0% |
| **FOSTER YOUTH** | | | | | | | | | | | | |
| Foster Youth | 9 | 4.2% | 13 | 5.8% | 5 | 1.7% | 7 | 3.0% | 11 | 4.0% | 12 | 4.6% |
| Non-Foster Youth | 207 | 95.8% | 213 | 94.2% | 281 | 98.3% | 226 | 97.0% | 267 | 96.0% | 250 | 95.4% |
| **VETERANS** | | | | | | | | | | | | |
| Non-Veteran | 212 | 98.1% | 210 | 92.9% | 276 | 96.5% | 223 | 95.7% | 264 | 95.0% | 245 | 93.5% |
| Veteran | 4 | 1.9% | 16 | 7.1% | 10 | 3.5% | 10 | 4.3% | 14 | 5.0% | 17 | 6.5% |
| **LOW INCOME** | | | | | | | | | | | | |
| Low Income | 143 | 66.2% | 156 | 69.0% | 183 | 64.0% | 152 | 65.2% | 179 | 64.4% | 167 | 63.7% |
| Non-Lo-Income | 73 | 33.8% | 70 | 31.0% | 103 | 36.0% | 81 | 34.8% | 99 | 35.6% | 95 | 36.3% |
| **TOTAL ==>** | **216** | **100.0%** | **226** | **100.0%** | **286** | **100.0%** | **233** | **100.0%** | **278** | **100.0%** | **262** | **100.0%** |

# LMC INTRUCTIONAL PROGRAM REVIEW
**PHYS - Physics**

## COURSE COMPLETION RATE BY POPULATION

| ETHNICITY | 2014FA | | 2015SP | | 2015FA | | 2016SP | | 2016FA | | 2017SP | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| African American | 11 | 91.7% | 18 | 94.7% | 19 | 79.2% | 21 | 91.3% | 15 | 78.9% | 15 | 83.3% |
| Asian | 34 | 89.5% | 30 | 93.8% | 26 | 86.7% | 22 | 81.5% | 23 | 95.8% | 26 | 83.9% |
| Filipino | 18 | 78.3% | 18 | 85.7% | 25 | 92.6% | 18 | 90.0% | 20 | 90.9% | 21 | 95.5% |
| Hispanic | 64 | 86.5% | 72 | 86.7% | 85 | 76.6% | 79 | 88.8% | 92 | 90.2% | 79 | 92.9% |
| Other/Undeclared | 7 | 70.0% | 5 | 100.0% | 9 | 90.0% | 9 | 64.3% | 7 | 100.0% | 10 | 83.3% |
| White | 53 | 89.8% | 59 | 89.4% | 73 | 86.9% | 53 | 88.3% | 89 | 85.6% | 93 | 98.9% |
| **GENDER** | | | | | | | | | | | | |
| Female | 73 | 85.9% | 81 | 93.1% | 98 | 86.7% | 95 | 88.8% | 95 | 89.6% | 79 | 90.8% |
| Male | 112 | 86.8% | 119 | 86.9% | 138 | 81.2% | 107 | 84.9% | 149 | 87.6% | 165 | 94.3% |
| Unknown Gender | 2 | 100.0% | 2 | 100.0% | 1 | 33.3% | | 0.0% | 2 | 100.0% | | 0.0% |
| **DISABILITIES** | | | | | | | | | | | | |
| With Disabilities | 5 | 62.5% | 10 | 90.9% | 9 | 81.8% | 10 | 83.3% | 9 | 90.0% | 12 | 92.3% |
| Without Disabilities | 182 | 87.5% | 192 | 89.3% | 228 | 82.9% | 192 | 86.9% | 237 | 88.4% | 232 | 93.2% |
| **FOSTER YOUTH** | | | | | | | | | | | | |
| Foster Youth | 8 | 88.9% | 10 | 76.9% | 3 | 60.0% | 6 | 85.7% | 10 | 90.9% | 12 | 100.0% |
| Non-Foster Youth | 179 | 86.5% | 192 | 90.1% | 234 | 83.3% | 196 | 86.7% | 236 | 88.4% | 232 | 92.8% |
| **VETERANS** | | | | | | | | | | | | |
| Non-Veteran | 184 | 86.8% | 188 | 89.5% | 229 | 83.0% | 194 | 87.0% | 234 | 88.6% | 228 | 93.1% |
| Veteran | 3 | 75.0% | 14 | 87.5% | 8 | 80.0% | 8 | 80.0% | 12 | 85.7% | 16 | 94.1% |
| **LOW INCOME** | | | | | | | | | | | | |
| Low Income | 126 | 88.1% | 142 | 91.0% | 150 | 82.0% | 133 | 87.5% | 162 | 90.5% | 155 | 92.8% |
| Non-Lo-Income | 61 | 83.6% | 60 | 85.7% | 87 | 84.5% | 69 | 85.2% | 84 | 84.8% | 89 | 93.7% |
| **TOTAL ==>** | 187 | 86.6% | 202 | 89.4% | 237 | 82.9% | 202 | 86.7% | 246 | 88.5% | 244 | 93.1% |

# LMC INTRUCTIONAL PROGRAM REVIEW
**PHYS - Physics**

## COURSE SUCCESS RATE BY POPULATION

| ETHNICITY | 2014FA | | 2015SP | | 2015FA | | 2016SP | | 2016FA | | 2017SP | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| African American | 11 | 91.7% | 16 | 84.2% | 14 | 58.3% | 17 | 73.9% | 13 | 68.4% | 13 | 72.2% |
| Asian | 33 | 86.8% | 30 | 93.8% | 21 | 70.0% | 18 | 66.7% | 21 | 87.5% | 22 | 71.0% |
| Filipino | 17 | 73.9% | 16 | 76.2% | 18 | 66.7% | 15 | 75.0% | 17 | 77.3% | 21 | 95.5% |
| Hispanic | 55 | 74.3% | 68 | 81.9% | 75 | 67.6% | 71 | 79.8% | 76 | 74.5% | 77 | 90.6% |
| Other/Undeclared | 6 | 60.0% | 4 | 80.0% | 8 | 80.0% | 8 | 57.1% | 7 | 100.0% | 9 | 75.0% |
| White | 50 | 84.7% | 58 | 87.9% | 70 | 83.3% | 48 | 80.0% | 81 | 77.9% | 87 | 92.6% |
| **GENDER** | | | | | | | | | | | | |
| Female | 68 | 80.0% | 76 | 87.4% | 89 | 78.8% | 85 | 79.4% | 89 | 84.0% | 77 | 88.5% |
| Male | 102 | 79.1% | 114 | 83.2% | 116 | 68.2% | 92 | 73.0% | 125 | 73.5% | 152 | 86.9% |
| Unknown Gender | 2 | 100.0% | 2 | 100.0% | 1 | 33.3% | | 0.0% | 1 | 50.0% | | 0.0% |
| **DISABILITIES** | | | | | | | | | | | | |
| With Disabilities | 3 | 37.5% | 9 | 81.8% | 8 | 72.7% | 8 | 66.7% | 9 | 90.0% | 10 | 76.9% |
| Without Disabilities | 169 | 81.3% | 183 | 85.1% | 198 | 72.0% | 169 | 76.5% | 206 | 76.9% | 219 | 88.0% |
| **FOSTER YOUTH** | | | | | | | | | | | | |
| Foster Youth | 8 | 88.9% | 9 | 69.2% | 3 | 60.0% | 6 | 85.7% | 10 | 90.9% | 12 | 100.0% |
| Non-Foster Youth | 164 | 79.2% | 183 | 85.9% | 203 | 72.2% | 171 | 75.7% | 205 | 76.8% | 217 | 86.8% |
| **VETERANS** | | | | | | | | | | | | |
| Non-Veteran | 170 | 80.2% | 179 | 85.2% | 198 | 71.7% | 170 | 76.2% | 204 | 77.3% | 214 | 87.3% |
| Veteran | 2 | 50.0% | 13 | 81.3% | 8 | 80.0% | 7 | 70.0% | 11 | 78.6% | 15 | 88.2% |
| **LOW INCOME** | | | | | | | | | | | | |
| Low Income | 113 | 79.0% | 134 | 85.9% | 127 | 69.4% | 114 | 75.0% | 141 | 78.8% | 146 | 87.4% |
| Non-Lo-Income | 59 | 80.8% | 58 | 82.9% | 79 | 76.7% | 63 | 77.8% | 74 | 74.7% | 83 | 87.4% |
| **TOTAL ==>** | 172 | 79.6% | 192 | 85.0% | 206 | 72.0% | 177 | 76.0% | 215 | 77.3% | 229 | 87.4% |

# LMC INTRUCTIONAL PROGRAM REVIEW
## PHYS - Physics

## Degrees and Certificates

| Degrees/Certificates | 2014-2015 | 2015-2016 | 2016-2017 |
|---|---|---|---|
| AST | 5 | 7 | 8 |
| Total | 5 | 7 | 8 |

# LMC INTRUCTIONAL PROGRAM REVIEW
**PHYS - Physics**

## Definitions:

**Head Count:** Unduplicated count of  students enrolled in a given term  broken down by population groups.

**Seat Count also known as Course Enrollment**
**Definition:** A student is considered to have been enrolled in a course if the student received an end-of-term grade notation that is displayed on their official transcript.
**Grade notations indicating valid enrollment:** A, B, C, D, F, FW, I*, MW, P/CR, NP/NC, RD, W
**Grade notations not indicating valid enrollment:** DR**, UD, XX
* Includes IA, IB, IC, ID, IF, INP, IPP, and IX
** DR = Indicates a drop after first census date, but before the date for receiving a "W". A "DR" notation has no academic implications for a student and is not included on the student's transcript. For that reason, the "DR" grade is excluded from most enrollment and success metrics. However, we note that the ARCC report does include "DR" as a valid enrollment indicator.

**Course Completion Rate (formerly Retention Rate II)**
**Definition:** Percentage of students who do not withdraw from class and who receive a valid grade.
**Numerator:** A, B, C, CR, D, F, I*, NC, NP, P, RD
**Denominator:** A, B, C, CR, D, F, FW, I*, NC, NP, P, RD, W
*Includes IA, IB, IC, ID, IF, INP, IPP, and IX
**Excluded grade notations:** DR, IP, MW, UD, XX

**Course Success Rate**
**Definition:** Percentage of students who receive a passing/satisfactory grade.
**Numerator:** A, B, C, CR, IA, IB, IC, IPP, P
**Denominator:** A, B, C, CR, D, F, FW, IA, IB, IC, ID, IF, INP, IPP, P, NC, NP, W
**Excluded grade notations:** DR, IP, IX, MW, RD, UD, XX