## ASSESSMENT DAY

College of Arts and Sciences
School of Mathematics
October 9, 2015

## Academic Assessment



| TYPE OF REVIEW | LEVEL | FOCUS | CONDUCTED BY | FREQUENCY |
| :---: | :---: | :---: | :---: | :---: |
| Academic Success Committee Review | Program | - Quality of assessment practices | PC - Academic Success Committee | Years 1 \& 2 |
| Instructional Program Review | Program / Cluster | - Enrollment, retention, completion trends <br> - Industry certifications and job placement trends <br> - Program cost and staffing trends <br> - Advisory committees, curriculum changes | PC - Instructional Program Review Committee | Year 3 |
| Assessment Day | Course/ <br> Program | - Enrollment by department, program and course and by age, gender and race <br> - Number of graduates, average class size <br> - Course success rate by instructional method, by campus and by sub-session <br> - Job placement <br> - Student learning outcomes and institutional learning outcomes | Program Chair, Faculty (data provided by Institutional Effectiveness and Institutional Research) | Years 1, 2, 3 |

## Courses

| MAC1105 College Algebra | MAC1114 College Trigonometry | MAC1140 Pre-Calculus Algebra |
| :---: | :---: | :---: |
| MAC2233 Calculus for Business and Nonphysical Sciences I | MAC2311 Calculus I | MAC2311L Calculus I Lab |
| MAC2312 Calculus II | MAC2312L Calculus II Lab | MAC2313 Calculus III |
| MAC2313L Calculus III Lab | MAD2104 Discrete Mathematics | MAP2302 Differential Equations |
| $\frac{\text { MAP2302L }}{\text { Lab }}$ Differential Equations | MAP3401 Problem Analysis | MAS3105 Abstract Algebra |
| MAS3301 Abstract Algebra | MAS4203 Number Theory | MAT0018 Mathematics I (PreAlgebra) |
| MAT0018L Mathematics I (PreAlgebra) Lab | MAT0022 Integrated Arithmetic and Algebra | MAT0028 Mathematics II (Elementary Algebra) |
| MAT0028L Mathematics II (Elementary Algebra) Lab | MAT0055L Developmental Mathematics I Lab | MAT0056L Developmental Mathematics II Lab |
| MAT1033 Intermediate Algebra | MAT1033A Intermediate Algebra | MGF2106 Survey in Mathematics |
| MGF2107 Mathematics for Liberal Arts | MHF4404 History of Mathematics | MTG4212 Modern Geometry |
| STA2023 Elementary Statistics | STA4024 Statistics II |  |

## Last Assessment Day - Action Items

## Institutional Effectiveness:

1. Generate a report to include STEM courses success rates

## School of Mathematics:

1. Pilot some hybrid courses in fall 2015
2. Review course coding in the system (MAT0028 and MAT0018 should be Open Lab)
3. Offer more summer and fall short term courses
4. Attend professional development opportunities on how to keep students in the classroom
5. Provide more virtual office hours availability
6. Implement mandatory, faculty-led SI
7. Develop a library of video clips of difficult topics
8. Assessment:
a. Modify discussion question in MAC1105
b. Use of new assessment measures, for example "Projects" instead of "Discussion boards"
c. Add MAT1033 and MGF2106 course learning outcome assessment to next Assessment Day



## Gender



## Enrollment by Race/Ethnicity

| Mathematics | 2012-2013 |  | 2013-2014 |  | 2014-2015 |  | DSC |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\#$ | $\%$ | $\#$ | $\%$ | $\#$ | $\%$ |  |
| American Indian / Alaska <br> Native | 52 | $0.5 \%$ | 56 | $1 \%$ | 43 | $0.4 \%$ | $0.4 \%$ |
| Asian | 232 | $2 \%$ | 239 | $2 \%$ | 228 | $2 \%$ | $2 \%$ |
| Black or African American | 1,623 | $15 \%$ | 1,560 | $15 \%$ | 1,391 | $15 \%$ | $14 \%$ |
| Hispanic | 1,419 | $13 \%$ | 1,414 | $14 \%$ | 1,369 | $14 \%$ | $15 \%$ |
| Native Hawaiian / Pacific <br> Islander | 15 | $0.1 \%$ | 21 | $0.2 \%$ | 29 | $0.3 \%$ | $0.2 \%$ |
| Two or More Races | 160 | $1 \%$ | 188 | $2 \%$ | 204 | $2 \%$ | $1 \%$ |
| White | 7,581 | $68 \%$ | 6,985 | $67 \%$ | 6,321 | $66 \%$ | $67 \%$ |

## Average Class Size by Course

| Course | 2012-2013 |  | 2013-2014 |  | 2014-2015 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Sections | Avg. Size | Sections | Avg. Size | Sections | Avg. Size |
| MAT0018 | 88 | 21 | 72 | 20 | 45 | 16 |
| MAT0022 |  |  | 1 | 3 | 3 | 2 |
| MAT0028 | 133 | 24 | 124 | 24 | 84 | 19 |
| MAT0055L |  |  |  |  | 16 | 25 |
| MAT0056L |  |  |  |  | 8 | 8 |
| MAT1033 | 158 | 24 | 144 | 26 | 88 | 24 |
| MAT1033A |  |  |  |  | 16 | 25 |
| MAC1105 | 137 | 28 | 127 | 28 | 106 | 28 |
| MAC1114 | 26 | 25 | 26 | 25 | 23 | 28 |
| MAC1140 | 29 | 25 | 26 | 27 | 23 | 29 |
| STA2023 | 70 | 26 | 73 | 25 | 61 | 29 |
| MGF2106 | 21 | 26 | 18 | 26 | 70 | 30 |
| MGF2107 | 14 | 28 | 13 | 31 | 15 | 33 |
| MAC2233 | 5 | 18 | 5 | 13 | 5 | 17 |
| MAC2311 | 10 | 24 | 10 | 26 | 10 | 25 |
| MAC2312 | 6 | 19 | 5 | 22 | 5 | 22 |
| MAC2313 | 3 | 16 | 3 | 16 | 3 | 20 |
| MAD2104 | 1 | 20 | 1 | 11 |  |  |
| MAP2302 | 3 | 14 | 2 | 12 | 3 | 11 |
| MAS3105 | 1 | 11 | 1 | 6 | 1 | 6 |
| MAS3301 | 1 | 2 | 1 | 4 | 1 | 5 |
| MAS4203 | 1 | 4 | 1 | 8 | 1 | 6 |
| MHF4404 | 1 | 6 |  |  | 1 | 10 |
| MTG4212 | 1 | 3 | 1 | 5 |  |  |
| STA4024 |  |  | 1 | 10 | 1 | 5 |
| Total | 709 | 25 | 655 | 25 | 589 | 25 |

Blank cells or missing years indicate no enrollment.
To prevent data from skewing, the following instructional methods are excluded: Labs associated with lectures,
Private/Performance, OJT, Clinicals, Co-op, DIS, Field trips and Internships.

## Average Class Size - Multiple Methods Only

| Course | Instructional Method | 2012-2013 |  | 2013-2014 |  | 2014-2015 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Sections | Avg. Size | Sections | Avg. Size | Sections | Avg. Size |
| MAC1105 | Lecture | 100 | 29 | 92 | 29 | 73 | 29 |
|  | Online | 37 | 26 | 35 | 25 | 33 | 26 |
| MAC1114 | Lecture | 19 | 24 | 18 | 24 | 16 | 27 |
|  | Online | 7 | 30 | 8 | 26 | 7 | 32 |
| MAC1140 | Lecture | 22 | 24 | 19 | 27 | 15 | 30 |
|  | Online | 7 | 29 | 7 | 27 | 8 | 29 |
| MAC2233 | Lecture | 2 | 11 | 2 | 11 | 2 | 16 |
|  | Online | 3 | 23 | 3 | 15 | 3 | 17 |
| MAT1033 | Lecture | 112 | 26 | 104 | 26 | 59 | 25 |
|  | Online | 46 | 21 | 40 | 25 | 29 | 23 |
| MGF2106 | Lecture |  |  | 1 | 33 | 27 | 30 |
|  | Online | 21 | 26 | 17 | 26 | 43 | 29 |
| MGF2107 | Lecture |  |  | 1 | 25 | 5 | 30 |
|  | Online | 14 | 28 | 12 | 32 | 10 | 35 |
| STA2023 | Lecture | 50 | 25 | 51 | 26 | 38 | 29 |
|  | Online | 20 | 29 | 22 | 24 | 23 | 30 |

College Total

| Instructional Method | 2012-2013 | 2013-2014 | 2014-2015 |
| :--- | :---: | :---: | :---: |
|  | Avg. Size | Avg. Size | Avg. Size |
| Hybrid | 22 | 22 | 22 |
| Lecture | 23 | 23 | 22 |
| Online | 27 | 28 | 29 |
| College Total | 23.7 | 23.9 | 24.6 |

## Course Success Rate (1 of 2)

| Course | 2012-2013 |  | 2013-2014 |  | 2014-2015 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Attempted | \% Successful | Attempted | \% Successful | Attempted | \% Successful |
| MAT0018 | 1,877 | 70\% | 1,432 | 62\% | 718 | 64\% |
| MAT0022 |  |  | 3 | 67\% | 6 | 67\% |
| MAT0028 | 3,170 | 55\% | 2,928 | 57\% | 1,590 | 56\% |
| MAT0055L |  |  |  |  | 398 | 46\% |
| MAT0056L |  |  |  |  | 61 | 95\% |
| Total | 5,047 | 61\% | 4,363 | 58\% | 2,773 | 58\% |
| MAT1033 | 3,819 | 53\% | 3,674 | 52\% | 2,136 | 56\% |
| MAT1033A |  |  |  |  | 398 | 47\% |
| MAC1105 | 3,865 | 57\% | 3,566 | 59\% | 2,957 | 60\% |
| MAC1114 | 659 | 56\% | 641 | 61\% | 651 | 61\% |
| MAC1140 | 727 | 65\% | 707 | 63\% | 676 | 69\% |
| Total | 9,070 | 56\% | 8,588 | 57\% | 6,818 | 59\% |
| STA2023 | 1,845 | 73\% | 1,839 | 71\% | 1,786 | 75\% |
| MGF2106 | 536 | 64\% | 473 | 60\% | 2,086 | 65\% |
| MGF2107 | 398 | 76\% | 406 | 69\% | 497 | 72\% |
| MAC2233 | 89 | 71\% | 66 | 80\% | 84 | 73\% |
| MAC2311 | 242 | 51\% | 258 | 52\% | 252 | 63\% |
| MAC2312 | 111 | 64\% | 108 | 56\% | 110 | 65\% |
| MAC2313 | 49 | 55\% | 49 | 61\% | 60 | 58\% |
| MAD2104 | 20 | 75\% | 11 | 91\% |  |  |
| MAP2302 | 41 | 78\% | 24 | 88\% | 34 | 68\% |
| Total | 3,331 | 70\% | 3,234 | 67\% | 4,909 | 69\% |
| Science |  | 78\% |  | 77\% |  | 78\% |
| Engineering |  | 86\% |  | 81\% |  | 81\% |
| Technology |  | 76\% |  | 79\% |  | 77\% |
| DSC |  | 78\% |  | 77\% |  | 78\% |

## Course Success Rate (2 of 2)

| Course | 2012-2013 |  | 2013-2014 |  | 2014-2015 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Attempted | \% Successful | Attempted | \% Successful | Attempted | \% Successful |
| MAS3105 | 11 | 91\% | 6 | 83\% | 6 | 67\% |
| MAS3301 | 2 | 100\% | 4 | 100\% | 5 | 80\% |
| Total | 13 | 92\% | 10 | 90\% | 11 | 73\% |
| MAS4203 | 4 | 100\% | 8 | 63\% | 6 | 67\% |
| MHF4404 | 6 | 100\% |  |  | 10 | 80\% |
| MTG4212 | 3 | 100\% | 5 | 80\% |  |  |
| STA4024 |  |  | 10 | 90\% | 5 | 100\% |
| Total | 13 | 100\% | 23 | 78\% | 21 | 81\% |
| Total | 8,608 | 63\% | 8,181 | 63\% | 9,225 | 66\% |
| Science |  | 78\% |  | 77\% |  | 78\% |
| Engineering |  | 86\% |  | 81\% |  | 81\% |
| Technology |  | 76\% |  | 79\% |  | 77\% |
| DSC |  | 78\% |  | 77\% |  | 78\% |

## Course Success Rate by Campus - Multiple Campuses Only (1 of 2)

| Course | Campus | 2012-2013 |  | 2013-2014 |  | 2014-2015 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Attempted | \% Successful | Attempted | \% Successful | Attempted | \% Successful |
| MAC1105 | Daytona | 1,430 | 51\% | 1,355 | 57\% | 1,030 | 55\% |
|  | Deland | 620 | 71\% | 590 | 68\% | 412 | 70\% |
|  | Deltona | 220 | 58\% | 205 | 56\% | 196 | 64\% |
|  | Flagler/Palm Cst | 380 | 38\% | 288 | 38\% | 292 | 42\% |
|  | New Smyrna Beach | 243 | 72\% | 236 | 78\% | 161 | 81\% |
| MAC1114 | Daytona | 299 | 52\% | 288 | 61\% | 288 | 56\% |
|  | Deland | 98 | 58\% | 111 | 59\% | 111 | 62\% |
|  | Flagler/Palm Cst | 54 | 30\% | 36 | 39\% | 25 | 36\% |
| MAC1140 | Daytona | 368 | 58\% | 342 | 55\% | 288 | 64\% |
|  | Deland | 115 | 61\% | 142 | 58\% | 136 | 71\% |
|  | Flagler/Palm Cst | 42 | 76\% | 37 | 68\% | 23 | 65\% |
| MAT0018 | Daytona | 994 | 67\% | 807 | 58\% | 379 | 61\% |
|  | Deland | 217 | 78\% | 144 | 68\% | 56 | 66\% |
|  | Deltona | 276 | 69\% | 228 | 60\% | 117 | 58\% |
|  | Flagler/Palm Cst | 252 | 76\% | 175 | 69\% | 105 | 74\% |
|  | New Smyrna Beach | 138 | 72\% | 78 | 72\% | 61 | 70\% |
| MAT0028 | Daytona | 1,642 | 49\% | 1,517 | 52\% | 843 | 54\% |
|  | Deland | 450 | 64\% | 382 | 65\% | 172 | 61\% |
|  | Deltona | 382 | 56\% | 394 | 56\% | 223 | 47\% |
|  | Flagler/Palm Cst | 461 | 60\% | 414 | 64\% | 235 | 59\% |
|  | New Smyrna Beach | 235 | 72\% | 221 | 65\% | 117 | 78\% |
| MAT0055L | Daytona |  |  |  |  | 211 | 47\% |
|  | Deland |  |  |  |  | 70 | 36\% |
|  | Deltona |  |  |  |  | 42 | 57\% |
|  | Flagler/Palm Cst |  |  |  |  | 43 | 42\% |
|  | New Smyrna Beach |  |  |  |  | 32 | 59\% |

## Course Success Rate by Campus - Multiple Campuses Only (2 of 2)

| Course | Campus | 2012-2013 |  | 2013-2014 |  | 2014-2015 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Attempted | \% Successful | Attempted | \% Successful | Attempted | \% Successful |
| MAT0056L | Daytona |  |  |  |  | 40 | 93\% |
|  | Deland |  |  |  |  | 7 | 100\% |
|  | Deltona |  |  |  |  | 11 | 100\% |
|  | Flagler/Palm Cst |  |  |  |  | 3 | 100\% |
| MAT1033 | Daytona | 1,470 | 47\% | 1,392 | 48\% | 764 | 55\% |
|  | Deland | 564 | 62\% | 504 | 65\% | 312 | 65\% |
|  | Deltona | 263 | 55\% | 250 | 52\% | 109 | 63\% |
|  | Flagler/Palm Cst | 358 | 53\% | 344 | 42\% | 206 | 34\% |
|  | New Smyrna Beach | 209 | 71\% | 197 | 75\% | 82 | 71\% |
| MAT1033A | Daytona |  |  |  |  | 211 | 47\% |
|  | Deland |  |  |  |  | 70 | 36\% |
|  | Deltona |  |  |  |  | 42 | 57\% |
|  | Flagler/Palm Cst |  |  |  |  | 43 | 42\% |
|  | New Smyrna Beach |  |  |  |  | 32 | 59\% |
| MGF2106 | Daytona |  |  | 33 | 76\% | 583 | 64\% |
|  | Deland |  |  |  |  | 79 | 81\% |
|  | Flagler/Palm Cst |  |  |  |  | 96 | 66\% |
|  | New Smyrna Beach |  |  |  |  | 64 | 73\% |
| MGF2107 | Daytona |  |  | 25 | 88\% | 133 | 68\% |
|  | Flagler/Palm Cst |  |  |  |  | 18 | 78\% |
| STA2023 | Daytona | 646 | 76\% | 675 | 72\% | 517 | 73\% |
|  | Deland | 282 | 89\% | 317 | 83\% | 267 | 85\% |
|  | Deltona | 69 | 75\% | 74 | 69\% | 71 | 86\% |
|  | Flagler/Palm Cst | 113 | 73\% | 87 | 79\% | 91 | 79\% |
|  | New Smyrna Beach | 146 | 82\% | 153 | 81\% | 148 | 93\% |

## Course Success Rate By Instructional Method - Multiple Methods Only

| Course | IM | 2012-2013 |  | 2013-2014 |  | 2014-2015 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Attempted | \% <br> Successful | Attempted | \% Successful | Attempted | \% Successful |
| MAC1105 | Lecture | 2,893 | 56\% | 2,674 | 59\% | 2,091 | 59\% |
|  | Online | 972 | 60\% | 892 | 57\% | 866 | 61\% |
| MAC1114 | Lecture | 451 | 51\% | 435 | 59\% | 424 | 56\% |
|  | Online | 208 | 67\% | 206 | 67\% | 227 | 70\% |
| MAC1140 | Lecture | 525 | 60\% | 521 | 57\% | 447 | 66\% |
|  | Online | 202 | 79\% | 186 | 81\% | 229 | 75\% |
| MAC2233 | Lecture | 21 | 67\% | 22 | 77\% | 32 | 75\% |
|  | Online | 68 | 72\% | 44 | 82\% | 52 | 71\% |
| MAT1033 | Lecture | 2,864 | 53\% | 2,687 | 53\% | 1,473 | 56\% |
|  | Online | 955 | 53\% | 987 | 51\% | 663 | 57\% |
| MGF2106 | Lecture |  |  | 33 | 76\% | 822 | 67\% |
|  | Online | 536 | 64\% | 440 | 59\% | 1,264 | 64\% |
| MGF2107 | Lecture |  |  | 25 | 88\% | 151 | 69\% |
|  | Online | 398 | 76\% | 381 | 67\% | 346 | 74\% |
| STA2023 | Lecture | 1,256 | 79\% | 1,306 | 76\% | 1,094 | 80\% |
|  | Online | 589 | 61\% | 533 | 60\% | 692 | 68\% |
| DSC | Hybrid |  | 82\% |  | 81\% |  | 83\% |
|  | Lecture |  | 77\% |  | 77\% |  | 78\% |
|  | Online |  | 76\% |  | 75\% |  | 76\% |

Course Success Rates- Multiple Sessions or Sub-sessions Only (1 of 3)

| Course | Session | Subsession | 2012-2013 |  | 2013-2014 |  | 2014-2015 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Attempted | $\%$ <br> Successful | Attempted | \% Successful | Attempted |  |
| MAC1105 | FA | A term | 60 | 67\% | 54 | 87\% | 50 | 82\% |
|  |  | Full term | 1,738 | 55\% | 1,643 | 57\% | 1,318 | 56\% |
|  |  | Session Total | 1,798 | 55\% | 1,697 | 58\% | 1,368 | 57\% |
|  | SP | A term | 89 | 74\% | 83 | 69\% | 55 | 82\% |
|  |  | B term | 40 | 83\% | 17 | 82\% | 37 | 54\% |
|  |  | Full term | 1,423 | 54\% | 1,293 | 55\% | 1,106 | 59\% |
|  |  | Session Total | 1,552 | 56\% | 1,393 | 56\% | 1,198 | 60\% |
|  | SU | Full term | 515 | 66\% | 476 | 69\% | 391 | 70\% |
| MAC1114 | FA | Full term | 265 | 52\% | 242 | 55\% | 262 | 53\% |
|  | SP | Full term | 265 | 53\% | 289 | 62\% | 271 | 65\% |
|  | SU | Full term | 129 | 70\% | 110 | 74\% | 118 | 70\% |
| MAC1140 | FA | Full term | 293 | 54\% | 305 | 61\% | 291 | 62\% |
|  | SP | Full term | 303 | 70\% | 316 | 64\% | 273 | 72\% |
|  | SU | Full term | 131 | 80\% | 86 | 72\% | 112 | 83\% |
| MAC2233 | FA | Full term | 31 | 74\% | 20 | 80\% | 25 | 76\% |
|  | SP | Full term | 32 | 72\% | 26 | 92\% | 40 | 73\% |
|  | SU | Full term | 26 | 65\% | 20 | 65\% | 19 | 68\% |
| MAC2311 | FA | Full term | 110 | 45\% | 113 | 51\% | 119 | 62\% |
|  | SP | Full term | 82 | 61\% | 94 | 55\% | 91 | 63\% |
|  | SU | Full term | 50 | 48\% | 51 | 49\% | 42 | 64\% |
| MAC2312 | FA | Full term | 37 | 54\% | 40 | 65\% | 38 | 58\% |
|  | SP | Full term | 39 | 79\% | 40 | 50\% | 53 | 62\% |
|  | SU | Full term | 35 | 57\% | 28 | 50\% | 19 | 89\% |
| MAC2313 | FA | Full term | 21 | 62\% | 23 | 52\% | 20 | 50\% |
|  | SP | Full term | 15 | 40\% | 13 | 69\% | 20 | 70\% |
|  | SU | Full term | 13 | 62\% | 13 | 69\% | 20 | 55\% |
| MAP2302 | FA | Full term | 17 | 76\% | 15 | 80\% | 16 | 56\% |
|  | SP | Full term | 14 | 71\% | 9 | 100\% | 18 | 78\% |
|  | SU | Full term | 10 | 90\% |  |  |  |  |

Course Success Rates- Multiple Sessions or Sub-sessions Only (2 of 3)

| Course | Session | Subsession | 2012-2013 |  | 2013-2014 |  | 2014-2015 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Attempted | \% Successful | Attempted | \% Successful | Attempted | \% Successful |
| MAT0018 | FA | A term | 499 | 75\% | 349 | 68\% | 160 | 72\% |
|  |  | B term | 158 | 59\% | 158 | 54\% | 61 | 49\% |
|  |  | Full term | 265 | 68\% | 220 | 58\% | 145 | 53\% |
|  |  | Session Total | 922 | 70\% | 727 | 62\% | 366 | 61\% |
|  | SP | A term | 359 | 70\% | 288 | 61\% | 126 | 69\% |
|  |  | B term | 118 | 59\% | 57 | 51\% | 31 | 68\% |
|  |  | Full term | 226 | 64\% | 177 | 58\% | 96 | 64\% |
|  |  | Session Total | 703 | 66\% | 522 | 59\% | 253 | 67\% |
|  | Su | Full term | 252 | 77\% | 183 | 67\% | 99 | 69\% |
| MAT0022 | FA | Full term |  |  |  |  | 2 | 50\% |
|  | SP | Full term |  |  | 3 | 67\% | 3 | 67\% |
|  | SU | Full term |  |  |  |  | 1 | 100\% |
| MAT0028 | FA | A term | 492 | 59\% | 508 | 64\% | 229 | 55\% |
|  |  | B term | 568 | 56\% | 455 | 54\% | 240 | 50\% |
|  |  | Full term | 445 | 58\% | 512 | 55\% | 334 | 51\% |
|  |  | Session Total | 1,505 | 58\% | 1,475 | 58\% | 803 | 52\% |
|  | SP | A term | 414 | 50\% | 330 | 58\% | 151 | 58\% |
|  |  | B term | 402 | 47\% | 318 | 57\% | 159 | 67\% |
|  |  | Full term | 431 | 52\% | 393 | 45\% | 232 | 58\% |
|  |  | Session Total | 1,247 | 49\% | 1,041 | 53\% | 542 | 61\% |
|  | SU | Full term | 418 | 65\% | 412 | 64\% | 245 | 60\% |
| MAT0055L | FA | Full term |  |  |  |  | 276 | 46\% |
|  | SP | Full term |  |  |  |  | 122 | 48\% |
| MAT0056L | FA | Full term |  |  |  |  | 28 | 93\% |
|  | SP | Full term |  |  |  |  | 33 | 97\% |
| MAT1033 | FA | A term | 31 | 77\% | 35 | 71\% |  |  |
|  |  | B term | 132 | 54\% | 95 | 64\% | 50 | 58\% |
|  |  | Full term | 1,685 | 53\% | 1,570 | 50\% | 1,037 | 57\% |
|  |  | Session Total | 1,848 | 53\% | 1,700 | 51\% | 1,087 | 57\% |
|  | SP | A term | 47 | 68\% | 32 | 66\% | 15 | 80\% |
|  |  | B term | 86 | 55\% | 105 | 49\% | 13 | 69\% |
|  |  | Full term | 1,398 | 50\% | 1,407 | 51\% | 694 | 53\% |
|  |  | Session Total | 1,531 | 50\% | 1,544 | 51\% | 722 | 54\% |
|  | SU | Full term | 440 | 63\% | 430 | 63\% | 327 | 59\% |
| MAT1033A | FA | Full term |  |  |  |  | 276 | 46\% |
|  | SP | Full term |  |  |  |  | 122 | 48\% |

## Course Success Rates- Multiple Sessions or Sub-sessions Only (3 of 3)

| Course | Session | Subsession | 2012-2013 |  | 2013-2014 |  | 2014-2015 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Attempted | \% Successful | Attempted | \% Successful | Attempted | \% Successful |
| MGF2106 | FA | B term |  |  |  |  | 19 | 74\% |
|  |  | Full term | 207 | 67\% | 164 | 57\% | 1,014 | 59\% |
|  |  | Session Total | 207 | 67\% | 164 | 57\% | 1,033 | 59\% |
|  | SP | B term |  |  |  |  | 32 | 63\% |
|  |  | Full term | 200 | 60\% | 193 | 62\% | 914 | 72\% |
|  |  | Session Total | 200 | 60\% | 193 | 62\% | 946 | 71\% |
|  | SU | Full term | 129 | 67\% | 116 | 61\% | 107 | 67\% |
| MGF2107 | FA | Full term | 146 | 70\% | 154 | 65\% | 224 | 67\% |
|  | SP | Full term | 154 | 79\% | 167 | 71\% | 200 | 75\% |
|  | SU | Full term | 98 | 80\% | 85 | 72\% | 73 | 82\% |
| STA2023 | FA | B term | 52 | 73\% | 47 | 79\% | 37 | 92\% |
|  |  | Full term | 642 | 70\% | 674 | 67\% | 628 | 76\% |
|  |  | Session Total | 694 | 70\% | 721 | 68\% | 665 | 77\% |
|  | SP | A term | 17 | 94\% | 13 | 69\% | 22 | 86\% |
|  |  | B term | 60 | 72\% | 73 | 77\% | 100 | 87\% |
|  |  | Full term | 715 | 72\% | 677 | 73\% | 711 | 73\% |
|  |  | Session Total | 792 | 73\% | 763 | 73\% | 833 | 75\% |
|  | SU | Full term | 359 | 81\% | 355 | 74\% | 288 | 73\% |

## Course Assessment Data



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## Course Assessment Data



## Assessment Data

| $\underline{\text { MAC1105 }}$ | MAC1114 | MAC1140 |
| :--- | :--- | :--- |
| MAC2233 | MAC2311 | MAC2311L |
| MAC2312 | MAC2312L | MAC2313 |
| MAC2313L | MAD2104 | MAP2302 |
| MAP2302L | MAS3105 | MAS3301 |
| MAS4203 | MAT0018 | MAT0018L |
| MAT0022 | MAT0028 | MAT0028L |
| MAT0055L | MAT0056L | MAT1033 |
| MAT1033A | $\underline{\text { MGF2106 }}$ | MGF2107 |
| MHF4404 | MTG4212 | $\underline{\text { STA2023 }}$ |

