MATHEMATICS Pure Mathematics Concentration

2009-2011

4/9/2013

The following plan is just one EXAMPLE of how to schedule classes to graduate in 4 years. Other schedules may be equally valid. Be sure to check prerequisites and the Course Offerings by Quarter List. Work with your advisor to develop a plan that meets your needs. Use your Degree Progress Report (DPR) as a checklist for meeting degree requirements.

| | FRESHMAN | | | SOPHOMORE | | | JUNIOR | | | SENIOR | | |
|-----------|-----------------|-----------------------|-----------------------|-----------------------|---------|-----------------------|-----------------------|-------------------------|-------------------------|-----------------|---------------------------------------|-------------------------|
| Quarter | Fall | Winter | Spring | Fall | Winter | Spring | Fall | Winter | Spring | Fall | Winter | Spring |
| Major | MATH | MATH | MATH | MATH | MATH | MATH | MATH | MATH | MATH | MATH | MATH | Depth/Math |
| | 141 | 142 | 143 | 241 | 206 | 242 | 336 | 481 | 482 | 408 | 440 | Elective ^{2,3} |
|] | (4) | (4) | (4) | (4) | (4) | (4) | (4) | (4) | (4) | (4) | (4) | (4) |
| | | | | MATH | MATH | MATH | MATH | MATH | Depth/Math | MATH | MATH | MATH |
| | | | | 202 | 248 | 306 | 412 | 413 | Elective ^{2,3} | 459/460 | 461 | 462 |
| | | | | (1) | (4) | (4) | (4) | (4) | (4) | (4) | (2) | (2) |
| | | CSC/Math/ | | PHYS | PHYS | Math | Math | Depth/Math | CSC/Math/ | | Depth/Math Elective ^{2,3} | |
| | | Stat Elec.4 | | 141 | 132/133 | Elective ³ | Elective ³ | Elective ^{2,3} | Stat Elec.4 | | Elective ^{2,3} | |
| | | (4) | | (4) | (4) | (4) | (4) | (4) | (4) | | (4) | |
| GE and | GE ¹ | GE ¹ | GE 1 | GE ¹ | GE^1 | GE ¹ | | GE^1 | GE ¹ | GE ¹ | GE ¹ | GE ¹ |
| Electives | A1/A2 | A1/A2 | A3 | (4) | (4) | (4) | | (4) | (4) | (4) | (4) | (8) |
| | (4) | (4) | (4) | , , | , , | , , | | | | , , | , , | , , |
| | | | | | | | | | | | | |
| | GE ¹ | | GE ¹ | | | | | | | | | |
| | (8) | | (4) | | | | | | | | | |
| | | | | | | | | | | | | |
| | | Elective ⁵ | Elective ⁵ | Elective ⁵ | | | Elective ⁵ | | | | | |
| | | (2) | (4) | (3) | | | (2) | | | | | |
| Units | 16 | 14 | 16 | 16 | 16 | 16 | 14 | 16 | 16 | 12 | 14 | 14 |

¹ Specific General Education (GE) courses are required for graduation. You must take one course from each of the following areas: GE A1, A2, A3; B2; C1, C2, C3, C4, C1-4 elective; D1, D2, D3, D4, D5; F. Check PASS or the Cal Poly Catalog for specific prerequisite requirements.

² Depth work must include *three* of the following: MATH 406,409,414,435,441.

³ Math electives must include *three* of the following: MATH 304,335,341,344,350,404, 406,409,414,416,418,435,436,437,441,451,452,453,470.

⁴Choose *two* courses from the following: CSC/CPE 101 or CSC/CPE 235; MATH 350; STAT 301 or STAT 325. If you decide not to take CSC 101 or CSC 235, then you may consider taking the PHYS sequence your Freshman year.

⁵Electives – 11 units required - Advanced Placement elective credit (not being used toward course credit) may be applied to this category.