

## MATHEMATICS DEPARTMENT

### COURSE OFFERINGS BY QUARTER

(Subject to Change)

| Course | Title                         | Summer | Fall | Winter | Spring |
|--------|-------------------------------|--------|------|--------|--------|
| 92     | Beginning Algebra Review      | -      | X    | X      | -      |
| 96     | Intermediate Algebra          | -      | X    | X      | X      |
| 112    | The Nature of Modern Math     | -      | -    | X      | X      |
| 116    | Pre-Calculus Algebra I        | -      | X    | X      | X      |
| 117    | Pre-Calculus Algebra II       | -      | X    | X      | X      |
| 118    | Pre-Calculus Algebra          | X+     | X    | X      | X      |
| 119    | Pre-Calculus Trigonometry     | -      | X    | X      | X      |
| 141    | Calculus I                    | X+     | X    | X      | X      |
| 142    | Calculus II                   | X+     | X    | X      | X      |
| 143    | Calculus III                  | X+     | X    | X      | X      |
| 161    | Calculus for Life Sciences I  | X+     | -    | X      | X      |
| 162    | Calculus for Life Sciences II | X+     | X    | -      | X      |
| 182    | Calc. for ARCH and CM         | -      | -    | X      | X      |
| 202    | Orientation to Math Major     | -      | X    | -      | X      |
| 206    | Linear Algebra I              | X+     | X    | X      | X      |
| 221    | Calculus for BUS and ECON     | -      | -    | X      | X      |
| 227    | Math for Elem. Teaching I     | -      | X    | X      | -      |
| 241    | Calculus IV                   | X+     | X    | X      | X      |
| 242    | Differential Equations I      | -      | -    | X      | X      |
| 244    | Linear Analysis I             | X+     | X    | X      | X      |
| 248    | Methods of Proof in Math      | X+     | X    | X      | X      |
| 270    | Selected Topics               | -      | -    | -      | -      |
| 300    | Technology in Math Ed.        | -      | X    | -      | -      |
| 304    | Vector Analysis               | -      | -    | X      | X      |
| 306    | Linear Algebra II             | -      | X    | X      | X      |
| 326    | Mathematics and Visual Art    | -      | -    | -      | -      |
| 328    | Math for Elem. Teaching II    | -      | -    | X      | X      |
| 329    | Math for Elem. Teaching III   | -      | X    | -      | X      |
| 330    | Alg. Thinking with Technology | -      | X    | X      | -      |

- X : Course offered every year
- A : Course offered in even academic years (ex. even-odd)
- B : Course offered in odd academic years (ex. odd-even)
- \* : Due to high demand, Math students are unlikely to be able to enroll
- +: Summer Course – Not guaranteed to run if enrollments are low
- : Course not offered

## MATHEMATICS DEPARTMENT

### COURSE OFFERINGS BY QUARTER

(Subject to Change)

| Course | Title                           | Summer | Fall | Winter | Spring |
|--------|---------------------------------|--------|------|--------|--------|
| 331    | Topics in Math for Teachers     | -      | -    | -      | -      |
| 335    | Graph Theory                    | -      | B    | -      | -      |
| 336    | Combinatorial Mathematics       | -      | X    | X      | -      |
| 341    | Theory of Numbers               | -      | X    | -      | X      |
| 344    | Linear Analysis II              | -      | X    | X      | X      |
| 350    | Mathematical Software           | -      | -    | -      | X      |
| 351    | Typesetting with LaTeX          | -      | -    | X      | -      |
| 370    | Putnam Exam Seminar             | -      | X    | -      | -      |
| 371    | Math Modeling Seminar           | -      | -    | X      | -      |
| 372    | Math Community Service          | -      | -    | -      | -      |
| 400    | Special Problems                | X      | X    | X      | X      |
| 404    | Intro. to Differential Geometry | -      | B    | -      | -      |
| 406    | Linear Algebra III              | -      | -    | -      | X      |
| 408    | Complex Analysis I              | -      | X    | -      | -      |
| 409    | Complex Analysis II             | -      | -    | X      | -      |
| 412    | Intro. to Analysis I            | -      | X    | X      | -      |
| 413    | Intro. to Analysis II           | -      | -    | X      | -      |
| 414    | Intro. to Analysis III          | -      | -    | -      | X      |
| 416    | Differential Equations II       | -      | A    | B      | -      |
| 418    | Partial Differential Equations  | -      | X    | -      | X      |
| 419    | Intro. to History of Math       | -      | -    | X      | -      |
| 423    | Advanced Math for Teaching      | -      | -    | -      | X      |
| 424    | Organizing and Teaching Math    | -      | X    | -      | -      |
| 425    | Math Student Teach. Seminar     | -      | -    | X      | X      |
| 435    | Discrete Math with Appl. I      | -      | X    | -      | -      |
| 436    | Discrete Math with Appl. II     | -      | -    | -      | -      |
| 437    | Game Theory                     | -      | -    | -      | X      |
| 440    | Topology I                      | -      | -    | X      | -      |
| 441    | Topology II                     | -      | -    | -      | -      |
| 442    | Euclidean Geometry              | -      | -    | X      | -      |
| 443    | Modern Geometries               | -      | -    | -      | X      |

- X : Course offered every year
- A : Course offered in even academic years (ex. even-odd)
- B : Course offered in odd academic years (ex. odd-even)
- \* : Due to high demand, Math students are unlikely to be able to enroll
- + : Summer Course – Not guaranteed to run if enrollments are low
- : Course not offered

## MATHEMATICS DEPARTMENT

### COURSE OFFERINGS BY QUARTER

(Subject to Change)

| Course | Title                       | Summer | Fall | Winter | Spring |
|--------|-----------------------------|--------|------|--------|--------|
| 451    | Numerical Analysis I        | -      | -    | X      | -      |
| 452    | Numerical Analysis II       | -      | -    | -      | A      |
| 453    | Numerical Optimization      | -      | -    | -      | B      |
| 459    | Senior Seminar              | -      | X    | -      | X      |
| 460    | Applied Math Senior Seminar | -      | X    | -      | -      |
| 461    | Senior Project I            | X      | X    | X      | X      |
| 462    | Senior Project II           | X      | X    | X      | X      |
| 470    | Selected Advanced Topics    | -      | -    | -      | -      |
| 481    | Abstract Algebra I          | -      | X    | X      | -      |
| 482    | Abstract Algebra II         | -      | -    | X      | X      |
| 483    | Abstract Algebra III        | -      | -    | -      | X      |
| 500    | Individual Study            | X      | X    | X      | X      |
| 501    | Methods of Applied Math I   | -      | X    | -      | -      |
| 502    | Methods of Applied Math II  | -      | -    | X      | -      |
| 505    | Graduate Teaching Seminar   | -      | X    | -      | -      |
| 520    | Applied Analysis I          | -      | -    | X      | -      |
| 521    | Applied Analysis II         | -      | -    | -      | X      |
| 530    | Discrete Math with Appl. I  | -      | X    | -      | -      |
| 531    | Discrete Math with Appl. II | -      | -    | X      | -      |
| 540    | Topology I                  | -      | -    | X      | -      |
| 541    | Topology II                 | -      | -    | -      | X      |
| 550    | Real Analysis               | -      | X    | -      | -      |
| 560    | Field Theory                | -      | -    | -      | X      |
| 561    | Graduate Algebra            | -      | X    | -      | -      |
| 580    | Seminar                     | -      | -    | -      | -      |
| 599    | Thesis                      | X      | X    | X      | X      |

- X: Course offered every year
- A: Course offered in even academic years (ex. even-odd)
- B: Course offered in odd academic years (ex. odd-even)
- \*: Due to high demand, Math students are unlikely to be able to enroll
- +: Summer Course – Not guaranteed to run if enrollments are low
- : Course not offered



**MATHEMATICS DEPARTMENT**  
**COURSE OFFERINGS BY QUARTER**  
 (Subject to Change)

**Selected**  
**Computer Science, Statistics and Physics Course Offerings**<sup>1</sup>

| Course                   | Title  | Summer | Fall | Winter | Spring |
|--------------------------|--|--------|------|--------|--------|
| CPE/CSC 101 <sup>1</sup> | Fund. of Comp. Sci.                                  | -      | X    | X*     | X      |
| CPE/CSC 202 <sup>1</sup> | Data Structures                                      | -      | X    | X      | X*     |
| CPE/CSC 203 <sup>1</sup> | Project-Based Object-Oriented Programming and Design | -      | X*   | X      | X      |
| SCM 300 <sup>1</sup>     | Early Field Experience                               | -      | X    | X      | -      |
| STAT 301 <sup>1</sup>    | Statistics I   | -      | X    | X      | -      |
| STAT 302 <sup>1</sup>    | Statistics II  | -      | -    | X      | X      |
| STAT 305 <sup>1</sup>    | Intro. to Probability Models                         | -      | X    | X      | -      |
| STAT 425 <sup>1</sup>    | Probability Theory                                   | -      | X    | -      | -      |
| PHYS 141 <sup>1</sup>    | General Physics IA                                   | X      | X    | X      | X      |
| PHYS 132 <sup>1</sup>    | General Physics II                                   | X      | X    | X      | X      |
| PHYS 133 <sup>1</sup>    | General Physics III                                  | X      | X    | X      | X      |

- X : Course offered every year
- A : Course offered in even academic years (ex. even-odd)
- B : Course offered in odd academic years (ex. odd-even)
- \* : Due to high demand, Math students are unlikely to be able to enroll
- +: Summer Course – Not guaranteed to run if enrollments are low
- : Course not offered

<sup>1</sup> For additional information, see the home pages of these departments.

- Computer Science: <https://csc.calpoly.edu/>
- Physics: <http://www.physics.calpoly.edu/>
- Statistics: <http://www.statistics.calpoly.edu/>