

Student Name: _____ Perm: _____

MASTER OF ARTS – APPLIED MATHEMATICS – 2022-23
PLAN II – Exam Option

In addition to departmental requirements, candidates for graduate degrees must fulfill University requirements described in the “Graduate Education” section of the UCSB General Catalog.

*A total of **42.0 units** are required for the M.A. program. A minimum of 24 of the 42 units must come from 200-level courses, and must include at least two core sequence courses, one of which must be applied mathematics. Additional units may come from either the core sequence courses or the elective courses. The 200-level courses must be passed with a grade of B or better, and the overall minimum GPA is 3.0. Please refer to the Mathematics Department Graduate Program Handbook for details. Time-to-degree completion for a master’s degree is 4 years.*

| CORE SEQUENCE COURSE REQUIREMENTS (minimum of 24.0 units) | | | |
|--|---------------------------------|-------|-----------------|
| Students are required to complete two of the following course sequences, one of which must be an applied course. A grade of B or better is required in each course. | | | |
| COURSE # | COURSE NAME | UNITS | GRADES F/W/S |
| MATH 201A-B-C | Real Analysis | 12.0 | |
| MATH 202A-B-C | Complex Analysis | 12.0 | |
| MATH 206A-B-C-D | Numerical Analysis | 12.0 | |
| MATH 243A-B-C | Ordinary Differential Equations | 12.0 | |
| MATH 246A-B-C | Partial Differential Equations | 12.0 | |
| ELECTIVES (additional units toward the 42.0 minimum required) | | | |
| MATH 104A-B-C | Intro to Numerical Analysis | 12.0 | |
| MATH 108A-B | Linear Algebra | 8.0 | |
| MATH 111A-B-C | Abstract Algebra | 12.0 | |
| MATH 118A-B-C | Real Analysis | 12.0 | |
| MATH 122A-B | Complex Variables | 8.0 | |
| MATH 220A-B-C | Modern Algebra | 12.0 | |
| MATH 221A-B-C | Topology | 12.0 | |
| MATH 225A-B-C | Number Theory | 12.0 | |
| MATH 228A-B | Functional Analysis | 8.0 | |
| MATH 231A-B | Lie Groups and Lie Algebras | 8.0 | |
| MATH 232A-B-C | Algebraic Topology | 12.0 | |
| MATH 236A-B | Homological Algebra | 8.0 | |
| MATH 237A-B | Algebraic Geometry | 4.0 | |
| MATH 240A-B-C | Differential Geometry | 12.0 | |

Courses approved by Exception

| | | | |
|----------|-------------------------|-----|--|
| MATH 260 | Seminars in Mathematics | 4.0 | |
| | | | |

Reading and Research (maximum 8.0 units allowed toward 42.0 unit requirement)

| COURSE # | COURSE NAME | UNITS | GRADE |
|----------|-------------------------------|-------|-------|
| MATH 596 | Directed Reading and Research | | |
| | | | |

CAPSTONE REQUIREMENT – QUALIFYING EXAMINATIONS

All students seeking the M.A. in Applied Mathematics using Plan II (Exam Option) are required to pass two Qualifying Examinations with at least a Master’s Level pass (grade of B or better). The two exams will correspond to the two core course sequences that the student has taken, one of which must be applied. Please refer to the Mathematics Department Graduate Program Handbook for descriptions of the Qualifying Exams.

Qualifying Exam 1 area: _____

Passed on: _____
Month/Day/Year

Qualifying Exam 2 area: _____

Passed on: _____
Month/Day/Year

M.A. DEGREE REQUIREMENTS SATISFIED: _____
Quarter/Year

DEPT GRADUATE ADVISOR SIGNATURE: _____

Print Name

FOR GRADUATE DIVISION USE ONLY

| | |
|--|--|
| Admission status | |
| Residence requirement-minimum 3 quarters (<i>verify departmental requirement</i>) | |
| Required units completed | |
| Language requirement Satisfied (<i>if required</i>) | |
| No grades of I, NR, or NG | |
| 3.0 or better GPA overall | |
| Registered quarter of degree or Filing Fee LOA: _____ | |
| Master’s Form I / COI and committee entered | |
| Master’s Thesis date received (<i>signature page/e-filed and entered in SReg</i>): _____ | |
| Master’s Thesis Submission Fee: _____ | |
| ProQuest ID _____ Permission Ltrs uploaded? | |

| | |
|------------------------------------|--|
| Master's Degree Awarded (mm/dd/yy) | |
|------------------------------------|--|