299. Thesis or Project (2–5; max total 5)

Prerequisite: see *Master's Degrees—Thesis Requirement* in *General Catalog*. Preparation, completion, and submission of an acceptable thesis for the master's degree.

Mathematics

(School of Natural Sciences)

40. Elements of Statistics (3)

Not open to students with credit in Math 107, 109. Prerequisite: elementary algebra and geometry. Organization of data, descriptive measures, sampling, statistical inference, testing, hypotheses, chi-square, correlation and regression.

41. Number Systems I (3) (Former Math 140)

Not open to mathematics majors or to students with credit in Math 141; designed for elementary credential. Prerequisite: elementary algebra and geometry. Development of rational number system and its subsystems from the informal point of view; sets, relations and operations, equivalence classes; definitions of number systems and operations; algorithms for operations; prime numbers, divisibility tests; ratios.

71. Elementary Mathematical Analysis 1 (3)

Prerequisite: two years high school algebra, one year high school geometry. Review of algebra, analytic geometry, introduction to set theory, mathematical induction, vectors, complex numbers, limits, derivatives.

111. Theory of Sets (3)

Prerequisite: Math 71 or 75 or permission of instructor. Set theory from an informal axiomatic foundation, relations and functions, cardinal numbers, ordinal numbers, applications.

141. Number Systems II (3)

Not open to students with credit in Math 151 or 171. Prerequisite: Math 41 or 71. Especially recommended for prospective teachers and minors. Development of the real number system and its subsystems from the formal point of view. Mathematical induction and definition by recursion. Axiomatic development of the various number systems and their interrelation.

190. Independent Study (1–3; max see reference)

See *General Information—Independent Study* in *General Catalog*.

290. Independent Study (1–3; max see reference)

See *General Information—Independent Study* in *General Catalog*.

299. Thesis (2–6; max total 6)

Prerequisite: see *Master's Degrees—Thesis Requirement* in the *General Catalog*. Preparation, completion, and submission of an acceptable thesis for the master's degree.

302. Topics in Mathematics for Teachers (3; max total 6, if topic not repeated)

Summer Session 1974: Topics in Geometry (3).

Music

(School of Professional Studies)

PERFORMING ORGANIZATIONS

All performing organization courses may be repeated for credit and are open to both lower and upper division students.

The courses below include the technical stylistic, and asethetic elements of musical literature; rehearsal and public performance.