

1964-1965 Vassar

IV. Degrees and Course of Study

VASSAR COLLEGE offers a course of study leading to the degree of Bachelor of Arts. It accepts a limited number of students for graduate work leading to the degree of Master of Arts and Master of Science. (See p. 165, Graduate Study.)

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

GENERAL REQUIREMENTS

1. *Points*

Every candidate for the A.B. degree must complete before graduation 120 points, equivalent to the standard of 120 semester hours recognized by the Board of Regents of the University of the State of New York.

2. *Term of Study*

- a) The normal period of residence and study required of a student who enters as a freshman is four years. For the special privilege of graduation in less than four years by acceleration, petition must be made to the faculty through the Committee on Privilege in Election.
- b) Transfer students must be in residence at Vassar for at least two years.
- c) All students must be in residence for the senior year.

3. *Graduation Grade*

An average of C for all courses (that is, a cumulative grade average of 2), an average of C in courses in the major subject in the senior year, and C in 300, the senior seminar, constitute the minimum required for graduation.

4. *Physical Education*

Students must complete satisfactorily the work in physical education prescribed for the first two years.

DE

The requi
The purpose
knowledge of
liberal arts. F
the opportunit
minor, in an i
These req
student's progr
for study in co
courses to mee
add to her ge
program.

To qualif
Concentration
p. 54). Excep
Program (see

1. *Distributi*

Students
the undergrad
may be satisfi
amount of at
two sequential
will normally
qualified to en
requirements i

One year

A. Art, I

B. French

This

by the

are re

A cou

colleg

of two
Studer
have h
tions :

INSTRUCTION

220ab. Italian Literature and Civilization (3)

A study of the cultural development of Italy from the Middle Ages to modern times based on reading and discussion of representative literary texts with reference to their historical background. *Dr. Saccone.*

Open to all classes. Prerequisite: 6 points in Grade II, or 3 entrance units, or by permission 105. *MWF 8:30.*

270a/b. Intermediate Studies in Language (3)

Practice in speaking and writing as well as a further analysis of the structure of the language based on the study of various types of prose and poetry. *The Department.*

Open to all classes. Prerequisite: 105 or by consultation. *TTh 9:00-10:20, 1:00-2:20.*

III. ADVANCED

Prerequisite for all advanced courses: 6 points in Grade II not including 270.

320ab. Dante and His Times (3)

A critical study of *The Divine Comedy* and other works in relation to the life, religion, and philosophy of the late Middle Ages. *Professor Piccirilli.*

TTh 9:00-10:20.

330a. Italian Renaissance (3)

A study of Italian Renaissance from Petrarch to Tasso. The course will also treat men and movements of primary historical and intellectual rather than literary significance, such as Leon Battista Alberti, the Florentine Academy, and Machiavelli. *Dr. Saccone.*

MWF 1:30.

350b. Italian Romanticism (3)

A study that will include such forerunners of Romanticism in the eighteenth century, as Goldoni, Parini, and Alfieri; Italian Romanticism in relation to European literature and thought. *Dr. Saccone.*

MWF 1:30.

370a/b. Practice in Writing and Discussion (3)

Content to be determined by the needs and interests of the students. The aim is to develop a critical sense and to impart methodological training in their research work in Italian literature. *Dr. Ascheri.*

Unscheduled.

Vassar 1964-65
College

1964-1965

MATHEMATICS

300ab. Senior Thesis and Seminar (3)

The Department.

First semester: Thesis. *Unscheduled.* Second semester: Seminar. *Th 3:55-5:45.*

LATIN

(See CLASSICS)

MATHEMATICS

PROFESSORS: Winifred Asprey^{ab}, Frances Ellen Baker, Janet McDonald (*Chairman*), Abba V. Newton

INSTRUCTORS: Gloria Garcia Castellanos*, Patricia Rae Fitall

MAJOR IN MATHEMATICS

Department Requirement: 33 points including 260, 315, 316, 330 or 340, 300.

Senior Year Requirements: At least 3 points each semester from 315, 316, 325, 330, 340, 350, 361, 370, 385; 300b, 3 points.

Comprehensive Examination: Written examination in two parts.

Senior Independent Work: 399a or 399b, 1 point, optional. Election should be made in consultation with the departmental advisor.

Minor: At least 4 semesters beyond the introductory level, normally including one year's work at the advanced level, in art, astronomy, chemistry, child study, economics, philosophy, physics, or others according to the student's interests.

Other Requirements: A minimum of 6 points in astronomy or physics, which may be included in the minor.

Recommendations: Reading knowledge of French, German, or Russian.

Sequence of Courses for Majors: Students will normally elect 115a, 215b, 247a, 260b, but freshmen eligible for advanced placement should confer with the Department. Election of advanced courses should be made in consultation with the departmental advisor.

Honors Program: Open to qualified students in the senior year on recommendation of the Department. Required course: 399a, 3 points. The independent project developed in 399a will be presented by the student as a seminar lecture in 300b.

Advisors: Professors Asprey, Baker, McDonald, and Newton.

^{ab} Absent on leave for the year.

* Part time.

C C
INSTRUCTION

I. INTRODUCTORY

115a. Mathematical Analysis (3)

An introduction to calculus with plane analytic geometry. *The Department.*

Open to all classes. Students entering without trigonometry will be required to attend an additional class hour each week. In one section of 115a-215b a limited number of selected freshmen may participate in a program augmenting the regular content of these courses. An introduction to certain modern mathematical ideas will be included, as well as a deeper study of topics in the regular courses. Entering freshmen who wish to be considered for admission to this section should apply on the Limited Enrollment form sent out by the Office of the Dean in the summer. The sequence 115a-215b meets the requirement in Group III, natural sciences, under provisions described on page 52. Prerequisite: a minimum of 3 entrance units, preferably including trigonometry. *MWF 8:30, 9:30, 10:30, 11:30, 1:30.* Additional hour required of those students entering without trigonometry: *T 1:30.*

II. INTERMEDIATE

205ab. Calculus (4)

Differential and integral calculus. *The Department.*

Open to all classes. Prerequisite: the equivalent of one semester of college calculus. Freshmen must consult the Department. *MWF 8:30 and T 1:30.*

215b. Calculus I (3)

Extends the study of differential and integral calculus begun in 115a. *The Department.*

Prerequisite: 115a or its equivalent. *MWF 8:30, 9:30, 10:30, 11:30, 1:30.*

247a. Calculus II (4)

Differential and integral calculus. *The Department.*

Prerequisite: 215b or its equivalent. *MWF 9:30 and T 1:30 or MWF 11:30 and Th 1:30.*

260a or b. Matrix Algebra and Vector Analysis (3)

The Department.

Prerequisite: 205a or 215b. 215b may be corequisite by permission of the Department. First semester: *MWF 8:30*; second semester: *MWF 9:30 or 11:30.*

III. ADVANCED

Prerequisite for all advanced courses: 205b or 247a.

Vassar 1964-65

MATHEMATICS

315a. Advanced Calculus I (4)

To be announced.

MWF 11:30 and Th 1:30.

316b. Differential Equations (3)

Professor Newton.

Prerequisite: 260 and 315 are recommended but not required. *MWF 11:30.*

325b. Advanced Calculus II (3)

Extends the study of limits and continuity to functions of several variables; uniform continuity and convergence; transformations and mappings; line and surface integrals. Strongly recommended for students planning graduate study in mathematics. *To be announced.*

Prerequisite: 260, 315. *TTh 9:00-10:20.*

330a. Geometry of Space (3)

Topics in solid analytic geometry and in differential geometry, studied by means of matrix theory and vector and tensor analysis. *Professor McDonald.*

Prerequisite: 260. *MWF 8:30.*

340b. Projective Geometry (3)

A study of projective geometry using both synthetic and analytic methods. *Professor McDonald.*

MWF 8:30.

350a. Modern Concepts in Mathematics (3)

A course designed to examine more widely and deeply basic abstract ideas in modern mathematics. Topics to be studied may include the real number continuum, infinity, theory of sets, Boolean algebras, transfinite numbers, and others as time permits. *Professor Newton.*

Open only to seniors except by permission. *TTh 9:00-10:20.*

361b. Modern Algebra (3)

An introduction to the theory of integral domains, rings, fields, groups, and vector spaces, with elementary number theory. *Professor Baker.*

Prerequisite: 260; 350 is recommended but not required. *MWF 9:30.*

Vassar 1964-65
College
INSTRUCTION

[370a. Theory of Probability] (3)

Basic concepts and theorems, with applications. Random variables; mathematical expectation; the binomial, Poisson, and normal probability distributions; elements of curve-fitting; estimation; the testing of statistical hypotheses. *Professor Baker.*

Alternate years: Not offered in 1964-65.

MWF 9:30.

385a or b. Special Studies (3)

Courses providing an opportunity for students to explore areas not covered in other advanced courses. The topics may vary from year to year. *The Department.*

First semester: Digital computer principles. Prerequisite or corequisite: 260, 315, or by permission. Second semester: Theory of functions of a complex variable. Permission required. Prerequisite: 315. MW 1:00-2:20.

300b. Senior Seminar (3)

Exploration of some of the newer mathematical developments in correlation with the student's previous studies. *The Department.*

Open only to seniors whose major is mathematics. M 3:55-5:35 and Th 1:30.

MUSIC

PROFESSORS: John Crouch, Earl W. Groves, Carl Parrish, Donald M. Pearson, Homer Pearson (*Chairman*)

ASSOCIATE PROFESSORS: Boris Koutzen*, Robert Middleton, Albert van Ackere

ASSISTANT PROFESSORS: Betty Churgin^{ab}, Gwendolyn Hamilton

INSTRUCTORS: Catherine Aspinall*, Sterling Hunkins*, Claude Montoux*

MAJOR IN MUSIC

Department Requirements: 37 points including 105, 140, 210, 234a, 300b; 6 points of Grade III in literature or theory; 3 points in performance; 3 points of 299 incorporated in 305b in the junior year and an independent unit of 1 point in the senior year.

Junior Year Independent Work: 299, 3 points, normally taken in the first semester, may be affixed to courses in history, theory, or performance (210, 230a, 232a, 234a, 291, 330, 391). Independent work in performance

* Part time.

^{ab} Absent on leave for the year.

MUSIC

elected as 299 is not subject to general academic regulations concerning total points allowed in applied work. 3 points must be used for 305b.

Senior Year Requirements: At least 6 points from 315ab, 330ab, 340ab; 300b, 3 points. One point of independent study 399 that may be taken in history, theory, or performance. Senior examination: comprehensive examination consisting of written and demonstration sections.

Senior Independent Unit: 399, 1-6 points may be affixed to any Grade III courses in history, theory or performance (300b, 315, 330, 340, 390, 391, 396). Independent work in performance elected as 399 is not subject to general academic regulations concerning total points allowed in applied work.

Minor: To be determined in consultation with departmental advisor.

Recommendations: A reading knowledge of at least one of the following foreign languages: German, French, Italian. German is strongly recommended. Students planning to major in Music should elect 105 or 140 in their freshman year, preferably 105.

Honors Program: Qualification for entrance into the Honors Program offered by the Music Department in its three areas of study is a 3.0 average in the area of particular interest to the student—history, performance or theory.* The student who is thus qualified and desires to enter the Honors Program must make written application to the Chairman of the Department at the end of her sophomore year. This application should include a proposed program of study worked out in consultation with a member of the department faculty. The student's continued participation in the Honors Program will be subject to departmental approval at the end of her junior year. In the senior year, the student of performance will prepare a full-length recital; in theory, a composition or paper; in history, a paper. In each area of study there will be public presentation of the project. Independent work in the Honors Program coincides with the work of the Independent Unit, which is to be taken for six points in the junior year and six points in the senior year.

Advisors: Professors Groves and Parrish, Associate Professor Middleton, Assistant Professors Churgin and Hamilton.

I. INTRODUCTORY

105ab. Harmony (3)

A study of the harmonic vocabulary used in the eighteenth and nineteenth centuries. Harmonization of melodies and basses; harmonic analysis. *Associate Professor Middleton, Assistant Professor Churgin.*

Open to all classes. Prerequisite: Each student must demonstrate to the instructor her ability to sight-read Bach four-part chorale harmonizations at the piano. Entering freshmen take this test in the fall before the first meet-

* See also general requirements for Honors Program, p. 56.