

III. 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.

The plan of studies leading to the A.B. degree has a dual aim:

(1) to secure for the student a broad foundation of liberal study by an acquaintance with different fields of knowledge and methods of study, and so enable her to discover the field of knowledge best suited to her ability and purpose as an educated citizen;

(2) to give her a sense of relationship among the fields of knowledge by means of an individual program which she plans in such a way as to integrate her total educational experience both in school and college.

These aims are carried out through the DISTRIBUTION REQUIREMENT and the RELATED STUDIES PROGRAM.

The education of the student is a continuing process, and the freshman year particularly should be thought of as a transition from secondary school to the greater freedom, maturity, and individual responsibility of college. College teaching methods aim to cultivate initiative and independent judgment as well as ability to participate in group discussion and activity. Except for large lecture meetings, classes are usually small enough for personal contact between student and teacher. Guidance is always available, but the student is responsible at all stages of her course for meeting the general college requirements.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

A. 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.

G

Marshall, Miss
'55
Glasgow '55
Piccirilli,
Middleton,
of the Asso-
'56, Nancy
Miss Levens
FUND
(columna)
Alumnae
the Executive

INSTRUCTION

RELATED STUDIES: ITALIAN AS A CENTRAL SUBJECT

Department requirement: 220.

Senior year requirement: Central courses: 6 points from 320, 350, 360. Supplementary study, 300a/b: 2 to 4 points, paper, 2 points. Senior examination: written examination at the end of each term in 300. Oral examination and long paper.

Correlatives: Primary: art, history, literatures, music, philosophy, political science, religion. Secondary: political science and history; for teaching, psychology and child study.

Advisor: Professor Piccirilli.

I. INTRODUCTORY

105ab. Elementary Italian (4)

The essentials of grammar and the building of an active vocabulary. Reading of modern authors. Oral expression is emphasized through the dramatization of modern plays. *The Department.*

Open to all classes. First semester alone not credited. *MWF 9:10 or 11:30; or TTb 10:30, M 2:30; fourth hour: T 1:30 or W 2:30 or unscheduled.*

II. INTERMEDIATE

220ab. Italian Literature and Civilization (3)

A study of the cultural development of Italy from the Middle Ages to modern times. Reading and discussion of representative literary works with reference to their social, historical and cultural background. *The Department.*

Open to all classes. Prerequisite: 105, or 2 or 3 entrance units. *MWF 8:10; fourth hour: unscheduled.*

235ab. Dante and His Times (2)

The class will be conducted in English, and Dante will be read in translation. *Professor Piccirilli.*

Prerequisite: 105, or one year in any literature, or art, or European history, or philosophy, or religion. *TTb 11:30.*

270a/b. Composition, Conversation, Reading (2)

The Department.

Prerequisite: 105. *TTb 2:30.*

III. ADVANCED

Prerequisite for all advanced courses: 105 and 220, except as otherwise specified.

320ab. La Divina Commedia (3)

A critical study of *The Divine Comedy* in relation to the life, religion, and philosophy of Dante's times. *Professor Piccirilli.*

Alternate years: Offered in 1955-56.

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College

[1955-1956]

MATHEMATICS

Correlative: Classics 358; history; other literatures; Philosophy 110; religion. *MWF 11:30.*

[350a. Italian Romanticism] (3)

The Department.

Alternate years: Not offered in 1955-56.

MWF 11:30.

[360b. Contemporary Literature] (3)

The Department.

Alternate years: Not offered in 1955-56.

MWF 11:30.

370a/b. Advanced Composition and Translation (2)

Dr. Manca.

Prerequisite: a course in Grade II. Corequisite: a course in Grade III. Two class hours: *unscheduled.*

300a/b. Supplementary Study (2 or 3)

Prerequisite: 12 points. Prerequisite or corequisite: a course in Grade III. *Unscheduled.*

LATIN

(See Classics)

MATHEMATICS

PROFESSOR Frances Ellen Baker; ASSOCIATE PROFESSORS Winifred Asprey, Mary P. Dolciani, Janet McDonald, Abba V. Newton (*Chairman*)

RELATED STUDIES: MATHEMATICS AS A CENTRAL SUBJECT

Department requirement: 27 points, including 115, 246, 247, 345, 346, 300. Uncredited in the minimum: 177.

Senior year requirement: Central courses: 6 points in any Grade III courses. Supplementary study, 300b: 2 points. Senior examination: written examination in two parts.

Pre-engineering Study: for a program of pre-engineering study, consult the Department.

Required correlatives: A minimum of 6 points in astronomy or physics. At least 9 additional points are to be selected in consultation with the Department from the following fields: art, astronomy, chemistry, child study, economics, philosophy, physics, or others according to the student's central interest.

Recommendations: Reading knowledge of French and German.

Advisors: Professor F. Baker, Associate Professors Newton and McDonald.

INSTRUCTION

I. INTRODUCTORY

110a. Plane Trigonometry (4)
Plane trigonometry and an introduction to analytic geometry. *The Department.*

Open to all classes. Meets a requirement in Group III, natural sciences, under provisions described on page 37. Prerequisite: 3 entrance units. *MTWTF 8:10 or MWTbF 9:10.*

115a or b. Introductory Mathematical Analysis (4)
Plane analytic geometry and an introduction to calculus. *The Department.*

Open to all classes. Meets the requirement in Group III, natural sciences, under provisions described on page 37. Prerequisite: for 115a, Trigonometry in school or college; for 115b, 110 or equivalent. First semester, *MTWTF 9:10 or 1:30.* Second semester, *MTWTF 8:10 or MWTbF 9:10.*

150a. Elementary Mathematics (4)

Designed especially for students not majoring in mathematics or the physical laboratory sciences, who have need of basic college mathematics. Certain fundamental ideas of trigonometry, analytic geometry and calculus. Not recommended for students centering their programs in mathematics or the physical laboratory sciences. *The Department.*

Not open to freshmen. Taken sequentially with 151 meets a requirement in Group III, natural sciences, under provisions described on page 37. Prerequisite: 3 entrance units of mathematics. *MTWTF 1:30.*

151b. Mathematical Statistics (3)
Study of elementary mathematical statistics. *The Department.*

Not open to freshmen. Prerequisite: 150 or permission of the Department. *MWF 1:30.*

177ab. Technical Drawing (1)

An introductory course designed to acquaint the student with the elements of drafting. *Associate Professors Asprey, Dolciani and McDonald.*

Not open to students who have elected 110, 115. *W 2:30-4:20.*

II. INTERMEDIATE

210a or b. Theory of Equations (3)

The theory of equations and topics in algebra. *Professor F. Baker, Associate Professor Dolciani.*

Prerequisite: 246. For juniors and seniors 246 may be corequisite by permission of the Department. First semester, *MWF 10:30;* second semester, *MWF 9:10.*

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220b. Projective Geometry (3)
A study of pure projective geometry in the plane. *Associate Professor McDonald.*

Prerequisite: 115. Prerequisite or corequisite: 246. *MWF 8:10.*

246a or b. Calculus I (3)
Extends the study of differential calculus begun in 115 and introduces the student to the powerful ideas and methods of integral calculus. *The Department.*

Open to all classes. Meets the requirement in Group III, natural sciences, under provisions described on page 37. Prerequisite: 115. First semester, *MWF 8:10 or 1:30;* second semester, *MWF 9:10 or 1:30.*

247a or b. Calculus II (3)
Differential and integral calculus. *The Department.*

Prerequisite: 246. First semester, *MWF 8:10;* second semester, *MWF 8:10 or 1:30.*

275a or ab. Descriptive Geometry (3)

The theory of the graphical representation of lines, surfaces, and solids with applications to engineering drawing. *Associate Professors Asprey, Dolciani and McDonald.*

Prerequisite: 115. Not open to students who have elected 177. *TTh 2:30-4:20.*

III. ADVANCED

311b. Modern Algebra (3)
An introduction to number theory, groups, and matrices. *Professor F. Baker.*

Open to seniors, and to juniors by permission. Prerequisite: 210, 247. *MWF 10:30.*

330a. Analytic Geometry of Three Dimensions (3)

The coordinate geometry of curves and surfaces in three dimensional space, with special consideration of lines, planes, and quadric surfaces. *Associate Professor McDonald.*

Prerequisite: 210, 246. *TTh 8:10, third hour: unscheduled.*

345a. Advanced Integral Calculus (4)
Associate Professor Asprey.

Prerequisite: 247. *MWTbF 11:30.*

346b. Differential Equations (3)
Associate Professor Newton.

Open to juniors and seniors. Prerequisite: 247; 210 is recommended but not required. *MWF 11:30.*

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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 F. Baker.*

Alternate years: Offered in 1955-56.

Prerequisite: 247. *MWF 9:10.*

378a. Development of European Mathematics since 1500 A. D. (3)

Lectures and student reports investigating and summarizing the rapid development of old and new mathematical theories which accompanies the immense modern extension of natural science. *Professor F. Baker.*

Prerequisite: 247; one year in physics or astronomy. *TTh 10:30.*

385b. Studies (3)

Topics are chosen in relation to student programs. *The Department.*

Permission required. Prerequisite: 345. *MWF 1:30.*

300b. Supplementary Study (2)

Required of students whose program of related studies centers in mathematics and open only to them in their final semester of work. *The Department.*

TTh 11:30.

MUSIC

PROFESSORS John Crouch, Carl Parrish (*Chairman*), Homer Pearson, John W. Peirce; ASSOCIATE PROFESSORS Earl W. Groves, Elisabeth Katzenellenbogen, Boris Koutzen*, Donald M. Pearson^{ab}, Lieff Rosanoff*; ASSISTANT PROFESSOR Robert Middleton; INSTRUCTORS: Miss Catherine Aspinall*, Miss Betty D. Churgin; ASSISTANT ORGANIST: Miss Lois V. Fincke; ASSISTANT: Miss Hermine H. Weigel*.

RELATED STUDIES: MUSIC AS A CENTRAL SUBJECT

Department requirement: 105; 140; 210; 9 points of Grade III in theory and literature, including senior studies; 3 points of performance.

Senior year requirement: Central courses: 6 points from 315ab, 330ab, 345, 346. Supplementary study, 300b: 3 or 4 points. Senior examination: comprehensive examination consisting of written and demonstration sections.

Correlatives: In general, æsthetics, art, classics, drama, English, foreign literatures, history, psychology, religion.

Recommendations: A reading knowledge of at least one of the following foreign languages: French, German, Italian.

Advisors: Professor H. Pearson, Associate Professor Groves.

*Part time.

^{ab}Absent on leave for the year.

MUSIC

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. *Assistant Professor Middleton, Miss Churgin.*

Open to all classes. Prerequisite: ability to sight-read Bach chorales at the piano. *MWF 1:30 or TTh 8:10, F 2:30*, with an additional section-hour: *unscheduled.*

140ab. Music as a Literature (3)

A study of the chief trends in the development of Western music. *Professors Parrish and H. Pearson, Associate Professor Groves, Miss Churgin, Miss Weigel.*

Open to all classes; by permission to freshmen. *MWF 9:10 or 10:30.* Listening groups: *unscheduled.*

II. INTERMEDIATE

210ab. Counterpoint (3)

A study of the contrapuntal techniques used in the eighteenth and nineteenth centuries. Written exercises and supplementary analysis. *Assistant Professor Middleton.*

Open to all classes. Prerequisite: 105. *TTh 9:10*, with an additional section-hour: *unscheduled.*

[230b. Music of the Baroque Period] (3)

Studies in the style and development of music from the end of the sixteenth century to the middle of the eighteenth century. *Professor H. Pearson.*

Alternate years: Not offered in 1955-56.

Prerequisite or corequisite: 140. *MWF 11:30.*

232b. Music of the Classical Period (3)

Studies in the style and development of music from the middle of the eighteenth century through the early part of the nineteenth century. *Professor H. Pearson.*

Alternate years: Offered in 1955-56.

Prerequisite or corequisite: 140. *MWF 11:30.*

236a. Music in the Romantic Era (3)

Studies in the style and development of music in the nineteenth century. *Professor H. Pearson.*

Alternate years: Offered in 1955-56.

Prerequisite: 140. *MWF 11:30.*

[240a. Contemporary Music] (3)

Studies in the style and development of music in the late nineteenth and twentieth centuries. *Professor H. Pearson.*