

VOLUME III

NUMBER 4

BULLETIN OF ST. JOHN'S COLLEGE IN ANNAPOLIS

ANNOUNCEMENTS
FOR
1933-34



ANNAPOLIS, MARYLAND
SEPTEMBER, 1933

Published four times a year by St. John's College, Annapolis, Maryland. Entered as second-class matter January 31, 1931, at the post office at Annapolis, Maryland, under the Act of August 24, 1912.

SCHEDULE OF EXAMINATIONS, 1933-34.

The first fourteen examination groups correspond to the regular class periods occurring at 8, 9, 10, 11, 1, 2, and 3 o'clock on M-W-F and T-Th-S. Groups XV and XVI are special. The following schedule has been found to meet the requirements of the student body and of the Faculty better than any other. Changes in this schedule can be made only for most exceptional reasons.

Day of Examination Period:		Time	Examination Group
Mid-Year	Final		
Thursday, January 18	Thursday, May 24	{ 9 A. M.—12 M..... 2 P. M.— 5 P. M.....	Group VIII Group IX
Friday, January 19	Friday, May 25	{ 9 A. M.—12 M..... 2 P. M.— 5 P. M.....	Group II Group XVI
Saturday, January 20	Saturday, May 26	9 A. M.—12 M.....	Group XV
Monday, January 22	Monday, May 28	{ 9 A. M.—12 M..... 2 P. M.— 5 P. M.....	Group III Group VI
Tuesday, January 23	Tuesday, May 29	{ 9 A. M.—12 M..... 2 P. M.— 5 P. M.....	Group XI Group I
Wednesday, January 24	Wednesday, May 30	{ 9 A. M.—12 M..... 2 P. M.— 5 P. M.....	Group V Group X
Thursday, January 25	Thursday, May 31	{ 9 A. M.—12 M..... 2 P. M.— 5 P. M.....	Group IV Group XIV
Friday, January 26	Friday, June 1	{ 9 A. M.—12 M..... 2 P. M.— 5 P. M.....	Group XII Group VII
Saturday, January 27	Saturday, June 2	9 A. M.—12 M.....	Group XIII

COURSES OF INSTRUCTION

Freshman courses are numbered from 1 to 19, Sophomore courses from 20 to 29, Junior courses from 30 to 39, and Senior courses from 40 up. The numbers of full courses are unqualified, half-courses running throughout the year are indicated by hf following the number, and half-courses given only in the first or the second half-year are designated by ¹hf or ²hf. Courses not given in the current year are bracketed. The Roman numeral in parentheses after the name of each course indicates the examination group to which the course is assigned. Separate sections have their examination groups listed successively.

Courses are open ordinarily to members of a higher class; and occasionally members of a lower class may obtain the permission of an instructor to register for a higher class. The previous consent of the instructor is required for registration in courses indicated by an asterisk (*). The reading courses numbered in the fifties are open to Juniors regularly. The thesis courses numbered in the sixties are open only to Seniors who are candidates for departmental honors; such courses are marked by a dagger (†).

I. DIVISION OF THE LANGUAGES, LITERATURE, AND ART

PROFESSORS BROWN (*Chairman*), ELLIOTT, FITZGERALD, GROPP, KUEHNEMUND, PENROSE, SCOFIELD, SEGALL, AND STARR, AND
MESSRS. KIEFFER AND RODGERS

ART

Art 21. Survey of the History of Art. (III)
A survey of the history of art in Western Europe with special emphasis on the Greeks in the first half-year and on the Italian Renaissance in the second half-year.
M-W-F at 10.

PROFESSOR SCOFIELD.

[Art 31. The History of Painting in Western Europe.] (II)
From the beginnings to impressionism. During the first half-year special attention will be given to the Sieneese and Florentine

primitives and to the great painters of the Renaissance in Italy; during the second half-year to the Flemish primitives and to the Flemish, Dutch, and Spanish schools of the seventeenth century.

Pre-requisite: Art 21.

M-W-F at 9.

Omitted in 1933-34.

PROFESSOR SCOFIELD.

Art 33 1st hf. Nineteenth-Century Painting. (II)

From David to Cezanne.

M-W-F at 9.

First half-year.

PROFESSOR SCOFIELD.

Art 34 2nd hf. Contemporary Art. (II)

Studies in nineteenth-century architecture, sculpture, and painting.

M-W-F at 9.

Second half-year.

PROFESSOR SCOFIELD.

ENGLISH

English 1. Grammar, Composition, and Prose Forms. (xv)

The course is intended to supply students with the elements of English grammar and the English language as a useful tool. Frequent papers; conferences; collateral reading. Required of all Freshmen unless they pass an anticipatory examination in grammar and composition. Does not count toward fulfillment of major or distribution.

Section A; T-Th-S at 10. PROFESSOR SCOFIELD.

Section B; T-Th-S at 9. PROFESSOR STARR.

Section C; M-W-F at 9. PROFESSOR BROWN.

Section D; M-W-F at 9. MR. RODGERS.

Section E; T-Th-S at 9. MR. RODGERS.

English 21. Survey of English Literature. (IX)

A study of the main tendencies of English Literature from Beowulf to the present time, with readings in great or characteristic writers and in social backgrounds. Required of all Sophomores who propose to major in English.

T-Th-S at 9.

PROFESSOR SCOFIELD.

English 23. Contemporary Literature. (III)

A study of the significant prose fiction and poetry of England and America during the twentieth century.

M-W-F at 10.

PROFESSOR BROWN.

[English 24 2nd hf. The Modern Drama.] (IX)

A course in rapid reading in the nineteenth- and twentieth-century drama, with special attention to the period after Ibsen.

T-Th-S at 9.

Second half-year.

Omitted in 1933-34.

PROFESSOR SCOFIELD.

[English 30 hf. History of the Printed Book.] (XIII)

The first half of the course, dealing with the printed book from modern times to the seventeenth century, will be taught by President Gordon; the second half, dealing with the printed book in the fifteenth and early sixteenth centuries, will be taught by Professor Penrose.

Half-course running throughout the year.

T at 2.

Omitted in 1933-34.

PRESIDENT GORDON AND PROFESSOR PENROSE.

[English 31 1st hf. Theory of Poetry.] (IX)

T-Th-S at 9.

Omitted in 1933-34.

PROFESSOR SCOFIELD.

*English 31.1 1st hf. The Theory of Literary Criticism. (x)

The course will attempt to discuss the bases for critical judgment upon literature. Though in no sense intended as a history of literary criticism, the course will examine certain of the critics from Aristotle to the present. Students will be expected to analyse various kinds of literature. There will be frequent discussions and papers.

T-Th-S at 10.

First half-year.

PROFESSOR STARR.

*English 31.2 2nd hf. Advanced Composition. (x)

Intended for students who wish further opportunity to practice composition. So far as possible, the work of the course will be

covered in individual conferences.

T-Th-S at 10.

Second half-year.

PROFESSOR STARR.

[English 32. The Nineteenth Century.] (x)

This course is intended to give a comprehensive view of the poetry and the prose (including the novel) of the nineteenth century, from Byron to Oscar Wilde. The change from the romanticism of the early nineteenth-century poets to that of the Victorians, and the gradual development of the didactic purpose in prose of the period will be especially emphasized. There will be frequent classroom discussions, and occasional papers.

T-Th-S at 10.

Omitted in 1933-34.

PROFESSOR STARR.

[English 33. The Sixteenth and Seventeenth Centuries.]

(XIII)

This course will study the poetry and prose of England from 1485 to 1650. Various types such as lyric poetry, voyaging narratives, picaresque fiction, and translations, will be examined in their relation to the English Renaissance.

T-Th from 2 to 3:30.

Omitted in 1933-34.

PROFESSOR STARR.

[English 34 ¹hf. The Drama from 1588 to 1800.]

A study of the English drama, exclusive of Shakespeare, from Marlowe to Sheridan.

Pre-requisite: English 21.

T-Th-S at 9.

First half-year.

Omitted in 1933-34.

PROFESSOR SCOFIELD.

*English 35. The Eighteenth Century.

English literature from 1688 to the death of Shelley. The important writers of the Restoration, the eighteenth century, and the French Revolution will be studied with their political, social, and intellectual backgrounds.

Pre-requisite: English 21.

Hours to be arranged.

PROFESSOR BROWN.

[English 36 ¹hf. Romantic Poetry of the Eighteenth Century.]

A survey of English romantic poetry from Anne of Winchelsea to Wordsworth. Important poets studied will include Thomson, Gray, Cowper, Coleridge, and Wordsworth.

T at 10.

First half-year.

Omitted in 1933-34.

PROFESSOR STARR.

English 37. Poetry of the Nineteenth Century. (II)

In the first half-year the chief poets studied will include Wordsworth, Coleridge, Byron, Shelley, and Keats; in the second, Tennyson, Browning, Arnold, Swinburne, Morris, and Rossetti.

M-W-F at 9.

PROFESSOR STARR.

[English 38. American Literature.]

Puritan and Colonial writings; the literature of the Revolution; the New England school; Cooper, Poe, Hawthorne, Melville, and Whitman; the Frontier and the South. When possible this literature will be studied as creative art, otherwise as the expression of national or sectional culture. Students electing this course are recommended to elect at the same time History 25.

M-W-F at 10.

Omitted in 1933-34.

PROFESSOR BROWN.

[English 39. American Literature from 1870.]

M-W-F at 1.

Omitted in 1933-34.

PROFESSOR STARR.

English 41. Chaucer. (IV)

The *Prologue* and ten of the *Canterbury Tales* will be carefully read in class. In addition the minor poems, *The Book of the Duchess*, and *Troilus and Criseyde* will be studied less in detail. Other important works of the fourteenth century, especially *Gawain and the Green Knight* and *The Pearl* will be read.

M-W-F at 11.

Required of those English Majors who desire the recommendation of the Department for graduate study.

PROFESSOR STARR.

[English 43. Mediæval Literature.]

A study of the most important writings in English from the twelfth to the fifteenth centuries.

Pre-requisite: English 21.

M-W-F at 8.

Omitted in 1933-34.

PROFESSOR STARR.

English 45. Shakespeare.

(v)

A general course with little emphasis on technical problems. In the first half-year the student will read about twenty plays, and make some study of social and cultural backgrounds. In the second half-year there will be a detailed examination of *Troilus and Cressida*, *Measure for Measure*, and the five great tragedies. Special attention will be given to Shakespeare's theory of tragedy and to the philosophical and religious views contained in his principal plays.

M-W-F at 1.

PROFESSOR BROWN.

[English 49. The Novel.]

A study of the novel primarily as a form of literary art, but with some attention to its sociological usefulness. In the first half-year the course will be concerned chiefly with the types and forms of the novel and the craftsmanship of the novelist. In the second half-year a few great novels, probably selected from the works of Tolstoy, Dostoevsky, Turgenev, Balzac, and Stendhal, will be studied thoroughly. No one should elect the course who is not able to read a novel of average length each week. Open to Juniors.

M-W-F at 3.

Omitted in 1933-34.

PROFESSOR SCOFIELD.

*English 50. Reading Course.

*English 53 ²hf. Reading Course.

MEMBERS OF THE DEPARTMENT.

*†English 60. Theses for Honors.

*†English 63 ²hf. Theses for Honors.

MEMBERS OF THE DEPARTMENT.

FRENCH

French 1. Beginning French. (xvi)

Elements necessary for acquiring the language: grammar, pronunciation, conversation, reading of simple texts, composition.

M-W-F at 11.

PROFESSOR ELLIOTT.

French 2. Intermediate French. (xiii)

Review of basic principles: grammar and composition, conversation, reading from the works of nineteenth-century and contemporary authors.

Pre-requisite: French 1 or two years of high-school French.

Section A; M-W-F at 9. PROFESSOR ELLIOTT.

Section B; M-W-F at 10. PROFESSOR ELLIOTT.

French 11. Advanced French Prose. (iv)

Rapid reading from representative works of nineteenth-century prose; comprehensive collateral reading; reports.

Pre-requisite: French 2, or three years of high-school French.

M-W-F at 11.

PROFESSOR SEGALL.

French 13. French Composition and Conversation. (xiii)

Comprehensive outside reading of modern prose; reports in French.

Required of French Majors.

Pre-requisite: French 1, or two years of high-school French.

Th from 2 to 5.

PROFESSOR ELLIOTT.

French 17. History of French Literature and Civilization. (iii)

From the origins to the present time. Lectures: comprehensive outside reading in English; weekly reports. No knowledge of French is required. Open only to men who stand in the first three groups of the rank list, and not open to Freshmen. May not be counted toward the major in French.

M-W-F at 10.

PROFESSOR SEGALL.

French 20. Survey of French Literature. (v)

A summary of French literature illustrated by readings from representative works of the more important periods. Outside reading; reports. A good knowledge of French is required.

Pre-requisite: French 11, or four years of high-school French.

M-W-F at 1.

PROFESSOR SEGALL.

[French 31. Eighteenth-Century French Literature.] (vi)

The literary movements of the Age of Reason and their relations to the social and political conditions of the period. Outstanding authors, such as Lesage, Marivaux, Montesquieu, Voltaire, Diderot, Rousseau, will be studied in some of their representative works. Comprehensive outside reading; theses. Students taking this course should be able to read French with ease.

Pre-requisite: French 11, or four years of high-school French.

M-W-F at 2.

Omitted in 1933-34.

PROFESSOR SEGALL.

French 41. Nineteenth-Century and Contemporary

French Literature. (vi)

A study of the literary tendencies of the age and the social and political conditions underlying them. The eighteenth-century precursors, the literature of the Empire, romanticism, realism, naturalism, symbolism, and neo-romanticism will be considered. Students taking this course should be able to read French with ease.

Pre-requisite: French 11, or four years of high-school French.

M-W-F at 2.

PROFESSOR SEGALL.

*French 50. Reading Course.

Subject to be arranged.

Pre-requisite: French 20.

PROFESSOR SEGALL.

*†French 62 ¹hf. Theses for Honors.

Pre-requisite: French 20.

First half-year.

PROFESSOR SEGALL.

GERMAN

German 1. Beginning German. (xvi)

Elements necessary for acquiring the language: grammar, pronunciation, conversation, reading of simple texts, composition.

Section A; M-W-F at 8. PROFESSOR KUEHNEMUND.

Section B; M-W-F at 11. PROFESSOR KUEHNEMUND.

German 10. Intermediate German. (ii)

Review of basic principles: grammar and composition; conversation; reading from works of nineteenth-century and contemporary authors.

Pre-requisite: German 1, or two years of high-school German.

M-W-F at 9. PROFESSOR KUEHNEMUND.

German 20. Modern Literature. (vi)

Training to enable the student to translate German rapidly. Oral and written reports on prepared translation; sight translation.

Pre-requisite: German 10, or three years of high-school German.

M-W-F at 2.

PROFESSOR KUEHNEMUND.

German 21. Scientific German. (ix)

Intended for students specializing in the sciences.

Pre-requisite: German 10, or three years of high-school German.

T-Th-S at 9.

PROFESSOR KUEHNEMUND.

[*German 33. Advanced Composition and Conversation.] (vii)

Primarily for students who wish to acquire a better facility in writing and speaking German.

Required of German Majors.

Pre-requisite: Two years of college German or the equivalent.

M-F from 3 to 4:30.

Omitted in 1933-34.

PROFESSOR GROPP.

German 35. Introduction to the History of German Civilization. (v)

A lecture course in English, with outside reading and written reports. Open to Juniors and Seniors who want an opportunity to become acquainted with German life, thought, and art up to the end of the eighteenth century.

Pre-requisite: History 1 passed with grade of "C" or better.

M-W-F at 1.

PROFESSOR KUEHNEMUND.

[German 36. History of German Civilization during the Nineteenth and Twentieth Centuries.] (v)

A lecture course in English, with outside reading and written reports. The course offers to any student an opportunity to become acquainted with German life, thought, and art during the nineteenth and twentieth centuries. Some account of the Germans in America will be included.

Pre-requisite: German 35, or History 21 with consent of the instructor.

M-W-F at 1.

Omitted in 1933-34.

PROFESSOR KUEHNEMUND.

[German 40. Problems of Current German Life and Thought.] (xvi)

Open only to men majoring in German.

T at 7:30 p. m.

Omitted in 1933-34.

PROFESSOR KUEHNEMUND.

*German 50. Readings in German Literature and History.

Pre-requisite: A fluent reading knowledge of German.

PROFESSOR KUEHNEMUND.

*†German 60. Thesis for Honors.

This course is to be taken in connection with either German 40 or German 50. The work consists in the writing of a thesis in some special field chosen by the student with the approval of the instructor.

PROFESSOR KUEHNEMUND.

GREEK

Greek 1. Beginning Greek. (iv)

Elements of grammar and composition; readings in Greek prose.

Special emphasis upon the Greek element in the English language.

M-W-F at 11.

MR. KIEFFER.

Greek 22 ¹hf. Homer, the Iliad. (ii)

Pre-requisite: Greek 1 or its equivalent.

M-W-F at 9.

First half-year.

MR. KIEFFER.

*Greek 23 ¹hf. History of Classical Mythology. (x)

Study of the Myths as they appear in ancient and modern literature with discussion of the light they throw on early history and on social conditions. Knowledge of Greek and Latin not required.

T-Th-S at 10.

First half-year.

MR. KIEFFER.

Greek 24 ²hf. Homer, the Odyssey. (ii)

Pre-requisite: Greek 1 or its equivalent.

M-W-F at 9.

Second half-year.

MR. KIEFFER.

[Greek 31. Plato; Greek Tragedy.] (iii)

Plato; Apology and Crito. Two Greek Tragedies.

Pre-requisite: Greek 1.

M-W-F at 10.

Omitted in 1933-34.

MR. KIEFFER.

Greek 33. Herodotus; Greek Comedy; Greek Lyric Poets. (iii)

In addition to the reading and study of Herodotus, the course will include study of Greek Comedy and Aristophanes and reading of two representative plays. Reading and study of poets from Tyrtaeus to Simonides of Ceos, including Archilochus, Sappho, and Anacreon.

M-W-F at 10.

MR. KIEFFER.

- Greek 34 ²hf. History of Greek Tragedy. (x)
 A study of the extant Greek tragedies. A study of the development of the tragic form and of its influence on later literature and on the modern theatre. No knowledge of Greek is required.
 T-Th-S at 10.
 Second half-year.

MR. KIEFFER.

LATIN

- [Latin 1. Beginning Latin.] (xi)
 Elements of grammar and composition; readings in Latin-prose authors. For students who have had little or no Latin. May not be taken by students who have had any college Latin.
 T-Th-S at 11.
 Omitted in 1933-34.

MR. KIEFFER.

- *Latin 15. Roman Law. (ix)
 Readings principally from the *Institutes* of Justinian. Study of the development of legal procedure and the Roman constitution. For prospective law students.
 T-Th-S at 9.

MR. KIEFFER.

- Latin 23. Latin Comedy; Letters of Cicero and Pliny. (xi)
 Studies of Roman civilization as portrayed by these authors. Collateral readings in English.
 Pre-requisite: Latin 1, or three years of high-school Latin.
 T-Th-S at 11.

MR. KIEFFER.

- *Classics 50. Classical Philology.

- *Classics 51 hf. Classical Philology.
 Reading, under the direction of the instructor, in Greek and Latin literature and antiquities. Open to approved candidates for honors in the Classics, and to Juniors and Seniors generally.

MR. KIEFFER.

- *†Classics 60. Classical Philology.

- *†Classics 61 hf. Classical Philology.
 Laboratory courses in thesis writing.

MR. KIEFFER.

SPANISH

- Spanish 1. Elementary Spanish. (i)
 Elements necessary for acquiring the language: grammar, pronunciation, conversation, reading of simple texts, composition.
 M-W-F at 8.

PROFESSOR FITZGERALD.

- Spanish 2. Intermediate Spanish. (ii)
 Review of basic principles: grammar and composition; conversation; reading from the works of nineteenth-century and contemporary authors.
 Pre-requisite: Spanish 1, or two years of high-school Spanish.
 M-W-F at 9.

PROFESSOR FITZGERALD.

- Spanish 11. Introduction to Spanish Literature. (iv)
 A general view of Spanish literature, illustrated by reading from representative works of the more important periods. Collateral reading and reports.
 Pre-requisite: Spanish 2, or three years of high-school Spanish.
 M-W-F at 11.

PROFESSOR FITZGERALD.

- Spanish 13. Spanish Composition and Conversation. (vii)
 A study of Spanish syntax; original compositions; practice in speaking Spanish. Required of all men majoring in Spanish.
 Pre-requisite: Spanish 2, or the consent of the instructor.
 M-W-F at 3.

PROFESSOR FITZGERALD.

- [Spanish 25. Spanish Life and Culture.]
 A study of the cultural background of Spanish civilization as seen in the literature, and to some extent in the art and architecture, of the Spanish people. No knowledge of Spanish required. Lectures, readings, discussions, reports.
 Not open to Freshmen.
 Hours to be arranged.
 Omitted in 1933-34.

PROFESSOR FITZGERALD.

[Spanish 31. Modern Spanish Novel.]

A study of the development of the Spanish novel from the nineteenth century on. Reading of novels from the more important authors; reports and discussions; individual collateral reading and reports.

Pre-requisite: Spanish 11, or four years of high-school Spanish.

M-W-F at 3.

Omitted in 1933-34.

PROFESSOR FITZGERALD.

[Spanish 41. Spanish Drama.]

Lectures on the literary movements affecting the drama. Reading of representative plays from the Golden Age to the present; discussion; collateral reading; reports.

Pre-requisite: Spanish 11, or four years of high-school Spanish.

M-W-F at 3.

Omitted in 1933-34.

PROFESSOR FITZGERALD.

*Spanish 50. The Romantic Movement in Spain.

*Spanish 51 hf. The Romantic Movement in Spain.

The ability to read Spanish fluently is necessary to these reading courses.

Pre-requisite: Spanish 11, or its equivalent.

PROFESSOR FITZGERALD.

*†Spanish 60. Honors Thesis Course.

*†Spanish 61 hf. Honors Thesis Course.

Subject to be chosen after conference between student and instructor. Students must be able to read Spanish fluently

PROFESSOR FITZGERALD.

II. DIVISION OF THE SOCIAL SCIENCES AND PHILOSOPHY

PROFESSORS KINGSBURY (*Chairman*), ALLES, HUNTER, McLAREN, PENROSE,
AND WYCKOFF, DR. DUNCAN, AND MESSRS. JOHNSON, RODGERS AND SMITH.

ECONOMICS

See also Mathematics 25 ¹hf (The Mathematics of Finance),
and Mathematics 26 ²hf (Statistics).

Economics 21. General Principles.

(III)

A study of the economics of living and an analysis of economic laws.

Section A; M-W-F at 10. PROFESSOR WYCKOFF.

Section B, for students majoring in Economics; M-W-F at 10.

DR. DUNCAN.

Economics 23 ¹hf. Accounting.

(V)

The purpose of the course is to explain the fundamentals of accounting statements, and the principles of analysis.

M-W-F at 1.

First half-year.

MR. SMITH.

[Economics 32. Financial Problems.]

The aim of this course is to make the student familiar with our banking system and its relation to business needs. The position of the private investor is also considered.

Pre-requisite: Economics 21.

T-Th-S at 10.

Omitted in 1933-34.

PROFESSOR WYCKOFF.

[*Economics 35. International Economic Problems.] (XI)

This course will consist of discussions, readings, reports, and papers on selected problems in international economics including international business cycles, war debts, international control of raw materials, and economic imperialism.

Pre-requisite: Economics 21 (Mathematics 26 ²hf is advised, in addition).

T-Th-S at 11.

Omitted in 1933-34.

DR. DUNCAN.

Economics 37. Government and Industry.

(VII)

The course will center its attention on the problem of government regulation of economic activity. It will begin with a consideration of that portion of industry where government supervision is now most extensive, namely, public utilities; the second half will be devoted to the study of the increasing social control of all activities of business.

Pre-requisite: Economics 21.

M-W-F at 3.

DR. DUNCAN.

Economics 38 ¹hf. Introduction to Business. (x)
A study of the principles of the organization of industrial enterprises.

Pre-requisite: Economics 21.

T-Th-S at 10.

First half-year.

PROFESSOR WYCKOFF.

Economics 39 ²hf. Forms of Social Organization. (x)
A survey will be made of the more important economic forms of society,—the philosophies and programs.

Pre-requisite: Economics 21.

T-Th-S at 10.

Second half-year.

PROFESSOR WYCKOFF.

Economics 40. Advanced Economics. (iv)
A conference course in economic theory and the major subjects of economic controversy.

Open only to Seniors majoring in economics.

M at 11, and individual conferences.

PROFESSOR WYCKOFF and DR. DUNCAN.

*Economics 50. Readings in Economics.

A conference course open to Juniors and Seniors who are interested in economics and are willing to read extensively.

Pre-requisite: Economics 21.

Hours to be arranged.

PROFESSOR WYCKOFF.

*†Economics 60. Theses for Honors.

PROFESSOR WYCKOFF.

GOVERNMENT

Government 11. American Government. (ii)
The introductory course required of all students majoring in government. Origins and development of the American form of government: federal, state, and local. About two-thirds of the year will be devoted to the federal government; one-third to state and local government. Emphasis on present day problems of government, and on the rights, duties, and responsibilities of citizens.
Section A; M-W at 9, PROFESSOR KINGSBURY. F at 9,
MR. SMITH.

Section B; M-W at 9, PROFESSOR KINGSBURY. F at 11,
MR. SMITH.

Section C; M-W-F at 2, DR. DUNCAN.

Government 21. Governments of Europe. (ix)

An analysis of the structure and functioning of the governments of the principal European states, and a comparison with American institutions and practices. The shift from monarchical to democratic forms; the rise of autocracies in Italy and Russia, and other recent developments will be studied.

Pre-requisite: Government 11.

T-Th-S at 9.

PROFESSOR KINGSBURY.

[Government 23. State and Local Government.] (iv)

A more detailed study of the organization and functioning of state, municipal, and local governments for the student who may go into public life in this country. Problems of the electorate, of political parties, of legislative organization and procedure, and of state and local administration, including the administration of justice, will be studied, with special reference to the State of Maryland.

Pre-requisite: Government 11.

M-W-F at 11.

Omitted in 1933-34.

PROFESSOR KINGSBURY.

Government 30. Principles and Problems of Government. (iv)

A study of some of the principles underlying the modern state and government; and selected problems in governmental organization and administration, such as the budget and financial control, the problem of personnel, law enforcement and the administration of justice, public opinion and popular control of government.

Pre-requisite: Government 11.

M-W-F at 11.

PROFESSOR KINGSBURY.

Government 41 ¹hf. International Relations. (xii)

A survey of the present-day factors affecting international relations: nationalism, imperialism, exploitation of backward nations, racial minorities, militarism and armaments, tariff wars, etc.

Pre-requisite: (1) Government 11; (2) Government 21, or Government 30, or History 22.

T-Th from 1 to 2:30.

First half-year.

PROFESSOR KINGSBURY and DR. DUNCAN.

Government 42 ²hf. International Organization. (xii)

The development of international co-operation, and the peaceful settlement of international disputes, with particular reference to the work of the League of Nations and the World Court, and the evolution of a law of nations.

Pre-requisite: (1) Government 11; (2) Government 21, or Government 30, or History 22; (3) Government 41 ¹hf.

T-Th from 1 to 2:30.

Second half-year.

PROFESSOR KINGSBURY.

[Government 43 ¹hf. Political Parties.] (xii)

The history, organization, functions, and methods of political parties particularly in the United States. Topics studied will include nominating and election methods, the boss, the machine, the spoils system, campaign methods, and the problems of government by public opinion.

Pre-requisite: (1) Government 11; (2) Government 23, or Government 30.

T-Th from 1 to 2:30.

First half-year.

Omitted in 1933-34.

PROFESSOR KINGSBURY.

[Government 44 ²hf. Constitutional Law.]

A study of the leading cases in American constitutional law illustrating the evolution of governmental powers and the rights of individuals under the constitution.

Pre-requisite: (1) Government 11; (2) Government 23, or Government 30.

T-Th from 1 to 2:30.

Hours to be arranged.

Second half-year.

Omitted in 1933-34.

PROFESSOR KINGSBURY.

*Government 50. Reading Course.

*Government 51 hf. Reading Course.

*Government 52 ¹hf. Reading Course.

*Government 53 ²hf. Reading Course.

PROFESSOR KINGSBURY.

*+Government 60. Theses for Honors.

PROFESSOR KINGSBURY.

HISTORY

History 1. European History from the Fall of Rome to the Present Time. (iii)

A general survey of the political, economic, religious, and intellectual history of Europe since 476 A. D. A pre-requisite for men majoring in history.

Section A; M-W-F at 10.

Section B; M-W at 10, F at 11.

MR. RODGERS.

[History 11. History of Greece and Rome.] (x)

Outline of the political history of ancient times and a study of classical society.

T-Th-S at 10.

Omitted in 1933-34.

MR. KIEFFER.

[History 21. Mediæval European History.] (xi)

A course in the foundations of modern Europe from the breakdown of the Roman Empire in the west to the establishment of the national state.

T-Th-S at 11.

Omitted in 1933-34.

History 22. Modern European History. (i)

An outline of the history of Europe from the emergence of the national state to the present.

M-W-F at 8.

PROFESSOR HUNTER.

History 23. English History. (iii)

A survey of English history.

M-W-F at 10.

PROFESSOR HUNTER.

History 25. The History of the United States. (v)

A survey of United States history from colonial times to the present.

M-W-F at 1.

PROFESSOR HUNTER.

[History 34. American Economic History.]

The study of the development of American economic life from the colonial beginnings to the present.

Pre-requisite: History 25 or its equivalent.
Conference hours arranged with each student.
Omitted in 1933-34.

PROFESSOR HUNTER.

History 37. History of the Renaissance.
Hours to be arranged.

MR. JOHNSON.

History 42. History of American Life.
This course will deal with a selected phase of the history of American life approached from the point of view of the common man.
Pre-requisite: History 25 or its equivalent.
Hours to be arranged.

PROFESSOR HUNTER.

History 45 ¹hf. Military and Political History of the Civil War. (vi)
The course will commence with a study of the political theories underlying the Civil War, and will conclude with a study of the military strategy of the War.
Pre-requisite: History 25.
M-W-F at 2.
First half-year.

MR. RODGERS.

History 46 ²hf. The Modern Republic. (vi)
The course will commence with the conclusion of the Civil War, embracing the main course of events down to 1920. Emphasis will be laid upon the political history covered by the McKinley, Roosevelt, and Taft administrations.
Pre-requisite: History 25.
M-W-F at 2.
Second half-year.

MR. RODGERS.

*History 50. Reading Course.

*History 51 hf. Reading Course.
Oral and written reports.

MEMBERS OF THE DEPARTMENT.

*†History 60. Theses for Honors.

*†History 61 hf. Theses for Honors.

MEMBERS OF THE DEPARTMENT.

PHILOSOPHY

Philosophy 11 ¹hf. Logic. (xi)
The course is chiefly concerned with the study of valid and invalid forms of reasoning in deductive and inductive logic.
Open to qualified Freshmen after consultation with the instructor.
T-Th-S at 11.
First half-year.

PROFESSOR ALLES.

Philosophy 12 ²hf. Introduction to Philosophy. (xi)
The course deals with such problems in philosophy as the origin and nature of human knowledge; the origin and development of life; the problem of matter and of mind and their relation; God; freedom; and immortality.
Open to qualified Freshmen after consultation with the instructor.
T-Th-S at 11.
Second half-year.

PROFESSOR ALLES.

Philosophy 15. Ethics. (ix)
A study of the moral development of mankind from primitive man to the present, with special emphasis on such outstanding ethical systems as Buddhism, Christianity, Greek Ethics (Plato and Aristotle), Stoicism, Kant, etc.
Open to qualified Freshmen after consultation with the instructor.
T-Th-S at 9.

PROFESSOR ALLES.

Philosophy 31. History of Philosophy. (x)
A study of philosophic speculation from the early Greeks to modern times.
T-Th-S at 10.

PROFESSOR ALLES.

Philosophy 34 ²hf. Locke; Berkley; Hume. (vi)
An interpretation of their philosophy based on the reading of their works.
Pre-requisite: Philosophy 12 ²hf or 31, or the permission of the instructor.

M-W-F at 2.

Second half-year.

PROFESSOR ALLES.

Philosophy 35 ¹hf. History of Religion. (vii)

A study of the development of religion including primitive religion (Mana, Fetiches, Magic), Buddhism, Zoroastrianism, Judaism, Mohammedanism, and Christianity.

M-W-F at 3.

First half-year.

PROFESSOR ALLES.

Philosophy 36 ²hf. Psychology and Philosophy of Religion. (vii)

The course falls into two parts:

1. The psychology of religion, in which are studied the contributions of modern psychology toward an understanding of religion and the different types of religious experience.
2. The philosophy of religion, which tests the validity of the claim which religion makes, *i. e.*, it wants to know whether that which religion claims is true.

Pre-requisite: A half-course in Philosophy or Psychology, or the permission of the instructor.

M-W-F at 3.

Second half-year.

PROFESSOR ALLES.

[Philosophy 38. Conceptions of Immortality.] (vi)

A study of different conceptions of immortality covering primitive, Babylonian, Egyptian, Hebrew, early Christian, and Greek conceptions as well as those of outstanding western thinkers (philosophers and scientists) down to the present.

Pre-requisite: Philosophy 12 ²hf, or 31, or 35 ¹hf, or the consent of the instructor.

M-W at 2.

Omitted in 1933-34.

PROFESSOR ALLES.

[Philosophy 41 ¹hf. Plato.] (vii)

An interpretation of Plato's philosophy based on the reading of his dialogues including the REPUBLIC.

Pre-requisite: Philosophy 31.

M-W-F at 3.

First half-year.

Omitted in 1933-34.

PROFESSOR ALLES.

[Philosophy 42 ²hf. Schopenhauer.] (vii)

An interpretation of Schopenhauer's philosophy based on the reading of THE WORLD AS WILL AND IDEA.

Pre-requisite: Philosophy 31.

M-W-F at 3.

Second half-year.

Omitted in 1933-34.

PROFESSOR ALLES.

*Philosophy 50. Reading in Philosophy.

*Philosophy 51 hf. Reading in Philosophy.

Field or subject to be determined after consultation with the student.

PROFESSOR ALLES.

*†Philosophy 60. Theses for Honors.

*†Philosophy 61 hf. Theses for Honors.

The work consists in the writing of a thesis in some field or on a subject chosen by the student after consultation with the instructor.

PROFESSOR ALLES.

PSYCHOLOGY

*Note concerning Educational Psychology:

Any student who wishes to take a year's work in educational psychology should, after securing permission from the instructor, register in Psychology 50.

[Psychology 19 ²hf. Educational Theory.] (x, xi)

A study of the bearing of modern psychological theories and data upon educational theories and practices. The meaning of education as understood by progressive educators will be discussed and emphasized. Not open to first-year students.

Section A; T-Th-S at 10.

Section B; T-Th-S at 11.

Second half-year.

Omitted in 1933-34.

PROFESSOR McLAREN.

Psychology 20. Schools of Psychology. (ix, xi)

This course is designed to serve as a basis for further work in psychology. All of the modern schools of psychology—structuralism, functionalism, behaviorism, purposivism, gestaltism, psychoanalysis—will be analyzed and discussed; and throughout the course an attempt will be made to discover a biological foundation for the study of human behavior. Not open to first-year students, to Sophomores who at the time of registration are not on the Rank List, or to Seniors. Open to qualified Sophomores and to all Juniors.

Section A; T-Th-S at 9.

Section B; T-Th-S at 11.

PROFESSOR McLAREN.

Psychology 27. Social Psychology. (ii)

A study of the integration and development of the human personality and character within a society. Emphasis will be placed upon the postulate that man is a socialized animal; and social psychology will be considered to be integral with biological psychology. The different schools of social psychology will be examined and discussed. Open to any Sophomore or Junior who is on the Rank List. Open, with the permission of the instructor, in any Senior, regardless of pre-requisite requirements.

Pre-requisite: Psychology 19 ²hf, or 20, or 29, or one year of biology, or one year of philosophy.

M-W-F at 9.

PROFESSOR McLAREN.

Psychology 29. Advanced Psychology. (iv)

A technical and scientific study of the biological and social phenomena underlying human behavior. Open, with the permission of the instructor, to any Senior, regardless of pre-requisite requirements.

Pre-requisite: Psychology 19 ²hf, or 20, or 27, or one year of biology, or one year of philosophy.

M-W-F at 11.

PROFESSOR McLAREN.

[Psychology 35 ²hf. Mental Hygiene and Abnormal

Psychology.] (ii)

In discussing behavior deviations, an attempt will be made to get at social causes and to steer a realistic course among numerous metaphysical and romantic theories. The course should be of especial value to pre-medical students and to students of literature.

Open only to Juniors and Seniors who have already had one full year of psychology in St. John's College.

M-W-F at 9.

Second half-year.

Omitted in 1933-34.

PROFESSOR McLAREN.

*Psychology 50. Reading Course.

*Psychology 51 hf. Reading Course.

*Psychology 52 ¹hf. Reading Course.

*Psychology 53 ²hf. Reading Course.

These courses are intended for students who are in earnest about reading extensively and intensively in the field of psychology. Conferences, and assigned papers which must be turned in when due.

Pre-requisite: Two full years of psychology, or one of psychology and one of biology, or one of psychology and one of philosophy.

PROFESSOR McLAREN.

*†Psychology 60. Theses for Honors.

PROFESSOR McLAREN.

III. DIVISION OF THE SCIENCES AND MATHEMATICS

PROFESSORS EASON (*Chairman*), ALLEN, APPEL, BAYLIFF, BERNHARD, BINGLEY, MCFARLIN, RIDGELY, AND VEDOVA.

BIOLOGY

Biology 11. Beginning Zoölogy. (iv, vi)

An introduction to animal biology. General principles of morphology, physiology, ecology, histology, genetics, embryology, etc., and a survey of the common groups of animals. Two hours of recitation and six hours of laboratory.

Laboratory fee, \$10.00 per half-year.

Section A; Recitation, M-F at 11.

Laboratory, W-F from 1 to 4.

PROFESSOR RIDGELY.

Section B; (Pre-medical students).

Recitation, W-F at 2.

Laboratory, T-Th from 1 to 4.

PROFESSOR BAYLIFF.

Biology 14 ¹hf. Readings in Biology. (xii)

This course is intended for students who are not majoring in the sciences, but who wish some cultural knowledge of them. It will not be credited for distribution as a laboratory science. The course will cover biological literature which is of a general rather than a technical interest. The content of the course will vary from year to year. Three hours weekly.

Open only to students who have had no biology. Not open to freshmen.

T-Th from 1 to 2:30.

First half-year.

PROFESSOR RIDGELY.

[Biology 15 ²hf. Field Zoölogy.]

Observation of local animals in their native habitats, both land and water. Animals collected may be brought to the laboratory for further study and classification.

Hours to be arranged (eight hours a week).

Second half-year.

Omitted in 1933-34.

PROFESSOR APPEL.

Biology 16 ²hf. Physiology.

A general study of vital processes. The nature of life and its relationship to the environment.

Laboratory fee, \$10.00.

Hours to be arranged (eight hours a week).

Second half-year.

PROFESSOR APPEL.

Biology 19 ²hf. History of the Germ Cells.

A study of the mechanism of early development, and of the regulation of development by environmental and hereditary factors.

Pre-requisite: One year of college biology.

Laboratory fee, \$10.00.

Hours to be arranged (eight hours a week).

Second half-year.

PROFESSOR APPEL.

Biology 20 ¹hf. Invertebrate Zoölogy.

The morphology and evolution of the invertebrates. Some attention to larvæ, to extinct groups, and to groups of uncertain phylogenetic position. A course parallel to Biology 21 ¹hf. Two hours of recitation and six hours of laboratory.

Pre-requisite: Biology 11 or the equivalent. Biology 19 ²hf advised.

Laboratory fee, \$10.00.

Hours to be arranged.

First half-year.

PROFESSOR BAYLIFF.

Biology 21 ¹hf. Comparative Anatomy of Vertebrates. (iii)

A history of the successive types of structure found in the higher animals. An introduction to human biology. Two hours of recitation and six hours of laboratory.

Pre-requisite: One year of college biology.

Laboratory fee, \$10.00.

Recitation, W-F at 10.

Laboratory, T-Th from 9 to 12.

First half-year.

PROFESSOR APPEL.

Biology 22 ²hf. Embryology of the Vertebrates. (iii)

A further study of the higher types of animal structure as seen in development. An introduction to human biology. Two hours of recitation and six hours of laboratory.

Pre-requisite: One year of college biology.

Laboratory fee, \$10.00.

Recitation, W-F at 10.

Laboratory, T-Th from 9 to 12.

Second half-year.

PROFESSOR RIDGELY.

Biology 30 ¹hf. Histology.

Microscopic study of normal cells and tissues. Two hours of recitation and six hours of laboratory.

Pre-requisites: Biology 21 ¹hf and 22 ²hf.

Laboratory fee, \$10.00.

Hours to be arranged.

First half-year.

PROFESSOR APPEL.

*Biology 33 ²hf. Microscopical Technique.

Training in laboratory methods, especially the use of the microscope. Two hours of recitation and six hours of laboratory.

Pre-requisite: Biology 30 ¹hf.

Laboratory fee, \$10.00.

Hours to be arranged.

Second half-year.

PROFESSOR APPEL.

Biology 34 ²hf. Genetics.

A study of the principles of heredity and variation, and of the relation of these two phenomena to each other and to evolution. Laboratory work to consist of breeding experiments with different strains of *Drosophila* and of calculations in practical breeding problems. Two hours of recitation and six hours of laboratory.

Pre-requisite: Biology 11 or the equivalent. Biology 19 ²hf is recommended.

Laboratory fee, \$10.00.

Hours to be arranged.

Second half-year.

PROFESSOR BAYLIFF.

[Biology 37 ¹hf. Parasitology.]

(VIII)

A study of the morphology and of the life histories of the internal parasites of vertebrates, particularly birds and mammals. Two hours of recitation and six hours of laboratory.

Pre-requisite: Biology 11 or the equivalent. Biology 20 ¹hf. is recommended.

Laboratory fee, \$10.00.

Recitation, T-Th at 9.

Laboratory,

Section A, M-W from 1 to 4;

Section B, M from 1 to 4,

W from 9 to 12.

First half-year.

PROFESSOR BAYLIFF.

Marine Biology.

Advanced students, particularly biology majors, are urged to take at least one summer course at some marine biological laboratory. The season of the year and the diversity of animals available at such institutions combine to give the student opportunities for study which cannot be duplicated during the regular school year.

With the approval of the department courses taken at a marine laboratory may be counted toward the fulfillment of the requirements for a biology major, or the requirements for the degree.

To encourage and assist worthy biology and pre-medical students to attend such laboratories, the College offers annually a scholarship applicable either at the Biological Laboratory, Cold Spring Harbor, Long Island, New York, or at the Marine Biological Laboratory, Woods Hole, Massachusetts. See "Awards and Aids."

*Biology 52 ¹hf. Readings for Advanced Students.

A three-hour course of independent reading. Conferences weekly. Intended especially for students who wish to prepare for Biology 63 ²hf.

First half-year.

Hours to be arranged.

PROFESSORS RIDGELY, APPEL, AND BAYLIFF.

*†Biology 63 ²hf. Theses for Honors.

Individual problems involving laboratory work and reading equivalent in amount to the work of an eight-hour laboratory course. A short thesis will be required of each student, summarizing the results of his work.

Pre-requisite: Three years of college biology.

PROFESSORS RIDGELY, APPEL, AND BAYLIFF.

CHEMISTRY

Chemistry 1. General Chemistry.

(III)

An introductory course in which phenomena of chemistry and the underlying principles are studied. Lectures are given with experiments on the elements and their compounds. This is a cultural course intended for students who will not take their major in the sciences. Two hours of lectures, one hour of recitation, and four hours of laboratory. An extra hour will be required of all students having difficulties with the course.

Laboratory fee, \$25.00 and breakage.

Section A; Recitation, M-W-F at 10.

Laboratory, T-Th from 10 to 12.

Section B; Recitation, M-W-F at 10.

Laboratory, T-Th from 2 to 4.

Make-up for both sections, M at 1.

PROFESSORS ALLEN AND McFARLIN.

Chemistry 2. General Chemistry for Science Students. (III)

A more comprehensive course in General Chemistry; the same course as Chemistry 1 with the exception that a one-hour lecture replaces the one hour of recitation on Friday. The lectures and

laboratory work will include topics which are in part introductory to Qualitative Analysis. Three hours of lectures and four hours of laboratory. Required of all students majoring in Biology, Chemistry, and Physics. An extra hour will be required of all students having difficulties with the course. Students who at the beginning of their Sophomore year choose a Science as their major and have taken Chemistry 1 must take the one-hour lecture given in Chemistry 2 on Friday.

Laboratory fee, \$25.00 and breakage.

Section A; Recitation, M-W-F at 10.

Laboratory, T-Th from 10 to 12.

Section B; Recitation, M-W-F at 10.

Laboratory, T-Th from 2 to 4.

Make-up for both sections, M at 1.

PROFESSORS BERNHARD, ALLEN AND McFARLIN.

Chemistry 21 ¹hf. Qualitative Analysis. (I)

The aim of this course is to give to the student a thorough grounding in the principles involved in the detection of unknown substances. In the lectures and recitations special emphasis is given to the theoretical foundations of analytical chemistry. The laboratory work is devoted to the qualitative analysis of "unknowns" and to the separation and identification of the metals and acid radicals usually met with in Inorganic Chemistry. Two hours of lectures and recitations and six hours of laboratory.

Pre-requisite: Chemistry 2 and Mathematics 11.

Laboratory fee, \$15.00 and breakage.

Recitation, W-F at 8.

Laboratory, W-F from 1 to 4.

First half-year.

PROFESSOR McFARLIN.

Chemistry 22 ²hf. Quantitative Analysis, Part I. (v)

The theory of volumetric and gravimetric analysis. Exercises in acidimetry and alkalimetry, and gravimetric determination of simple compounds. One hour lecture and eight hours of laboratory.

Pre-requisite: Chemistry 21 ¹hf.

Laboratory fee, \$15.00 and breakage.

Recitation, M at 1.

Laboratory, M from 2 to 4, W-F from 1 to 4.

Second half-year.

PROFESSORS ALLEN AND McFARLIN.

Chemistry 31 ¹hf. Quantitative Analysis, Part II. (v)

Continuation of Part I, including volumetric and gravimetric methods for the determination of salts, minerals, and alloys. One hour lecture and eight hours of laboratory.

Pre-requisite: Chemistry 22 ²hf.

Laboratory fee, \$15.00 and breakage.

M-W-F from 1 to 4.

First half-year.

PROFESSOR ALLEN.

Chemistry 32 ²hf. Physical Chemistry, Part I. (I)

Substances in the gaseous, liquid, and solid states; the structure of matter; energy changes; chemical equilibria; and substances in dilute solution form the basis of study. The laboratory work includes determinations of molecular weights, measurements of physical properties, etc. Three hours of lectures and four hours of laboratory.

Pre-requisite: Chemistry 21 ¹hf and Mathematics 21.

Laboratory fee, \$15.00 and breakage.

Recitation, M-W-F at 8.

Laboratory, W 1 to 5.

Second half-year.

PROFESSOR ALLEN.

Chemistry 33. Organic Chemistry. (IV)

An introductory course in the chemistry of carbon compounds. The lectures and laboratory are designed to give a fundamental knowledge of the representative compounds and their reactions in the aliphatic and aromatic series. Two hours of lectures and recitation and six hours of laboratory.

Pre-requisite: Chemistry 1 or 2.

Laboratory fee, \$25.00 and breakage.

Recitation, M-W at 11.

Laboratory, T-Th from 1 to 4.

PROFESSOR BERNHARD.

Chemistry 42. Advanced Organic Chemistry. (VIII)

Selected topics of Organic Chemistry are discussed in greater detail. Readings in the original literature are assigned. The laboratory work in the first half-year includes Quantitative Organic Analysis and the preparation of organic compounds. During the second half year students majoring in chemistry are expected to concentrate on some small research problem. Two hours of lectures and six hours of laboratory.

Pre-requisite: Chemistry 33.

Laboratory fee, \$25.00 and breakage.
 Recitation, T-Th at 8.
 Laboratory, T-Th from 9 to 12.

PROFESSOR BERNHARD.

Chemistry 43 ¹hf. Physical Chemistry, Part II. (IV)
 The topics treated include electrochemistry, theory of strong electrolytes, colloid chemistry, and photochemistry. Three hours of lectures and recitations with reports on assigned reading in the original literature.
 Pre-requisite: Chemistry 32 ²hf; ability to read French and German.
 M-W-F at 11.
 First half-year.

PROFESSOR ALLEN.

*Chemistry 52 ¹hf. Readings in Chemistry.
 A reading and seminar course in the history of chemistry. Three hours.
 Pre-requisite: Chemistry 21 ¹hf and 33.
 Hours to be arranged.
 First half-year.

PROFESSOR BERNHARD.

*†Chemistry 60. Thesis and Laboratory Work.

*†Chemistry 61 hf. Thesis and Laboratory Work.

Laboratory fee, \$25.00 for the full course (eight hours);
 \$15.00 for the half-course (four hours).

PROFESSORS BERNHARD AND ALLEN.

MATHEMATICS

Mathematics 1 ¹hf. Algebra. (I)
 This course is required of students who have failed to present sufficient algebra for admission. The subject matter of secondary school algebra through the solution of quadratic equations is thoroughly reviewed. No credit toward the degree.
 M-W-F at 8.
 First half-year.

PROFESSOR VEDOVA.

Mathematics 2 ²hf. Plane Geometry. (I)
 This course is required of all students who have not offered Plane Geometry for admission. No credit toward the degree.

M-W-F at 8.

Second half-year.

PROFESSOR VEDOVA.

Mathematics 11. Introduction to Mathematical Analysis. (XII)
 This course aims to give a survey of the essentials of trigonometry, college algebra, and analytic geometry. The two-fold purpose of mathematical study is emphasized: to enable the student to use mathematical processes as a tool in his scientific studies, and to enable him to recognize the cultural value of rigorous thinking.

Section A; M-W-F at 9. PROFESSOR VEDOVA.

Section B; T-Th-S at 9. PROFESSOR BINGLEY.

Section C; T-Th-S at 11. PROFESSOR BINGLEY.

Mathematics 21. Analytic Geometry and the Calculus. (III)
 Plane analytic geometry, the straight line, circle, parabola, ellipse, and hyperbola, with a short introduction to analytic geometry of three dimensions.

Methods of differentiation, series, indeterminate forms, etc., with the simpler applications to mechanics and the higher plane curves. Formulas of integration, with applications to the determination of length, areas, volumes, centers of gravity, pressures, and moments of inertia.

Beginning with the year 1934-35, this course will deal exclusively with the elements of the differential and integral calculus, the part now devoted to analytic geometry being made a part of the pre-requisite course, Mathematics 11.

Pre-requisite: Mathematics 11.

M-W-F at 10.

PROFESSOR BINGLEY.

Mathematics 25 ¹hf. The Mathematics of Finance. (IV)
 Derivation and application of general formulas for the value of single sums of money, annuities certain, life annuities, and life insurance.

M-W-F at 11.

First half-year.

PROFESSOR BINGLEY.

Mathematics 26 ²hf. Statistical Methods. (IV)
 A study of the classical and recent statistical methods.

M-W-F at 11.

Second half-year.

PROFESSOR BINGLEY.

Mathematics 31. Mathematical Analysis, Part I. (ix)
An advanced course in the calculus with an introduction to differential geometry. The applications of mathematical analysis to the physical sciences are stressed.

Pre-requisite: Mathematics 21.

T-Th-S at 9.

PROFESSOR VEDOVA.

Mathematics 33. Higher Algebra. (xi)
In this course such topics as matrices, linear transformations, forms, etc., are studied with a view to preparing the student for further work in pure mathematics.

Pre-requisite: Mathematics 21.

T-Th-S at 11.

PROFESSOR VEDOVA.

Mathematics 35. The Elements of Mechanics. (x)
The principles of statics and dynamics, with applications to particles and rigid bodies.

Pre-requisite: Mathematics 21.

T-Th-S at 10.

PROFESSOR BINGLEY.

Mathematics 41. Mathematical Analysis, Part II. (xi)
A continuation of Mathematics 31 with an introduction to differential equations and functions of a complex variable. The partial differential equations of physics are studied.

Pre-requisite: Mathematics 31.

T-Th-S at 11.

PROFESSOR VEDOVA.

Mathematics 43. Introduction to Modern Geometry.

Pre-requisite: Mathematics 33.

Hours to be arranged.

PROFESSOR VEDOVA.

Mathematics 45. Differential Equations. (viii)
Intended primarily for the student of physics or engineering, this course emphasizes applications to geometry and physics and aims to equip the student with some of the means used for the ready solution of the commoner types of equations, rather than to impart to him any extensive knowledge of the underlying theory.

T-Th-S at 8.

PROFESSOR VEDOVA.

*Mathematics 50. Reading Course.

The subject or subjects will be determined in consultation with the instructor.

Conference hours to be arranged.

PROFESSOR VEDOVA.

*Mathematics 53 ²hf. Selected Topics in the History of Science.

A reading course in topics selected from the history of the natural sciences and mathematics of the Greek period, the Renaissance, and the seventeenth and eighteenth centuries in Europe.

Conference hours to be arranged.

PROFESSOR BINGLEY.

*⁺Mathematics 63 ²hf. Theses for Honors.

The subject of each thesis will be decided upon after consultation with the instructor, and will be based, if possible, upon the reading done in Mathematics 50.

Conference hours to be arranged.

PROFESSOR VEDOVA.

PHYSICS

Physics 21. Elements of Physics. (viii)

This course covers the elements of mechanics, heat, electricity, magnetism, sound, and light. It is designed to give the student an acquaintance with, and an explanation of, the natural phenomena which envelop his daily life. Three hours of recitation and four hours of laboratory.

Pre-requisite: Mathematics 11.

Laboratory fee, \$20.00 and breakage.

Section A; Recitation, T-Th-S at 8.

Laboratory, T-Th from 2 to 4.

Section B; Recitation, T-Th-S at 8.

Laboratory, W-F from 2 to 4.

PROFESSOR EASON.

Physics 31. Electricity and Magnetism. (i)

Beginning with the fundamental ideas underlying electrical science, this course explains how such principles may be applied in industry, the arts, and to the problems of everyday life. Three hours of recitation and four hours of laboratory.

Pre-requisite: Physics 21 and Mathematics 21.

Mathematics 21 may be taken concurrently.

Laboratory fee, \$20.00 and breakage.
 Recitation, M-W-F at 8.
 Laboratory, T-Th from 2 to 4.

PROFESSOR EASON.

[Physics 41. Physical Optics.] (II)

This course deals with the subject of light very thoroughly, both from the physical and mathematical points of view and terminates with a short study of the theory of relativity. The student must realize that the subject of light is a broad one and requires thorough preparation in mathematics and chemistry. He will be expected to read much from the available literature and to do considerable laboratory work.

Pre-requisite: Physics 21; Mathematics 31; Chemistry 2.

Laboratory fee, \$20.00 and breakage.

Recitation, M-W-F at 9.

Laboratory, T-Th from 2 to 4.

Omitted in 1933-34.

PROFESSOR EASON.

[Physics 42. Theory of Heat.]

An attempt is made to acquaint the student with the modern theory regarding the nature of heat and its practical application. The course will be carried on both by text-book readings and lectures. Much parallel reading will be assigned throughout the year and extensive laboratory work done.

Pre-requisite: Physics 21; Mathematics 31; Chemistry 2.

Laboratory fee, \$20.00 and breakage.

Recitation, M-W-F at 8.

Laboratory, W-F from 2 to 4.

Omitted in 1933-34.

PROFESSOR EASON.

Physics 43. Electricity. (II)

This is an advanced course in electricity. The treatment is largely mathematical supplemented with appropriate laboratory experiments. The historical development of the subject is followed closely. Some account of positive ray analysis, isotopes, and the modern theory of the atom is included. The latter part of the course is devoted to the study of the theory and practice of wireless telegraphy and telephony. Three hours of recitation and four hours of laboratory.

Pre-requisite: Physics 31; Mathematics 21. It is strongly advised that Mathematics 31 be taken concurrently.

Laboratory fee, \$20.00 and breakage.

Recitation, M-W-F at 9.

Laboratory, W-F from 2 to 4.

PROFESSOR EASON.

*Physics 50. Reading Course. (xiv)

Independent reading of books and current periodicals covering some particular field of physics. Frequent conferences.

Pre-requisite: Physics 21.

T at 3.

PROFESSOR EASON.

*†Physics 60. Theses for Honors.

PROFESSOR EASON.

Hygiene 1. General Principles of Hygiene.

Lectures on the science of health. Biology; the supply of oxygen and the elimination of carbon dioxide; food and the digestion of foods; heat regulation of the body; removal of waste material from the body; physical exercise; the nervous system; mental hygiene; diseases in general; particular diseases.

One lecture each week for ten weeks, beginning with the first Monday in October.

Required of all freshmen.

M at 4.

DR. MURPHY.

Physical Training 1.

Three hours a week required of all freshmen. A thorough physical examination by the College Physician is required of all entering men. All men competing for freshman teams are excused from taking regular class work while reporting regularly for any varsity sports. Required physical training consists of outdoor competitive games in the fall; apparatus work, hand ball, indoor baseball, cage ball, basketball, and other competitive sports in the winter; with outdoor competitive sports again in the spring.

Section A; M-W-F at 3.

Section B; M-W-F at 4.

MR. NOVAK.

Physical Training 2.

Advanced course in physical training. Two years of physical training are required of all students. Students who fail to fulfill the requirements in physical training will not be allowed to graduate.

Open only to those men who have passed satisfactorily in

Physical Training 1.

T-Th from 3 to 4.30.

MR. NOVAK.

GENERAL REGULATIONS

The regulations and provisions contained in this Catalogue and constituting the basis for the governance of the College are subject at all times to the right of the Visitors and Governors and to the right of the Faculty to repeal, change, or add to any of them.

I. HONOR REGULATIONS

St. John's College aims to develop in its students a sense of responsibility to the community as well as a high standard of scholarship. To this end student self-government is encouraged.

Each student is expected to conduct himself as a gentleman. Any student who is guilty of any dishonesty will be required to withdraw from the College.

The Student Council coöperates with the Advisory Council of the Faculty in enforcing the honor regulations. The Student Council has power, accordingly, to take disciplinary action in any case of misconduct by any student. Any student who is unable to coöperate with the Student Council may be required to withdraw from the College.

II. RESIDENCE REGULATIONS

All students not living with parents or guardians are required to live in College buildings and to take their meals in the College dining hall.

Occupancy of Rooms.

Rooms in the halls of residence may not be occupied before noon of the Saturday preceding the opening of College except

in the case of men who are returning to College early with the permission of the President.

Rooms in the halls of residence may not be occupied during the Christmas or the Easter recess.

Assignment of Rooms.

Before May first of each year the student may, if he wishes, indicate his desire concerning his rooming arrangement for the next year. For this purpose application blanks will be distributed by the Auditor's Office. Men who wish to room together must file their applications concurrently.

Assignments are usually announced before May fifteenth.

Change of Rooms.

No student living in the dormitories may change his room except with the approval of the room-assignment officer.

College Rules for Dormitories.

1. No radios, victrolas, or other instruments may be played, nor may any loud noise be made, in the College dormitories after 10.00 P. M. (Saturdays, 11.30 P. M.). Band instruments may be played in the dormitories only between 2.00 P. M. and the time when supper is served in the College dining room.
2. Intentional damage to College property is a serious offense against discipline, and is forbidden.
3. Any damage to College property will be charged to the occupant or occupants of the room, or to the occupants of the hall, in which the damage occurs, or to the person or persons whom the dormitory committee or the Student Council shall determine to have been responsible therefor.
4. The Student Council shall directly and through the dormitory committees enforce the above rules by disciplinary action taken at executive meetings to be attended only by those summoned by the Council. Such action shall be announced concurrently by the Student Council and by the College Office.
5. Any student who has been the object of such disciplinary action may appeal to his Dean for a change in the action taken.

The College reserves the right to repair completely, at the

expense of the occupant or occupants, any dormitory room, if any tacks have been driven into the walls, or if any matter has been pasted upon the walls, or if the walls are damaged in any other way.

Dining Hall.

The dining hall may be closed at any time when College is not in session, except for a holiday of only one day.

Only breakfast and luncheon will be served on the Wednesday preceding Thanksgiving recess and only supper on the Sunday preceding the resumption of classes after Thanksgiving.

Only breakfast will be served on the morning of the first day of the Christmas recess, and only supper will be served on the day just preceding the resumption of classes. A similar schedule will be maintained before and after the Easter recess.

Infirmary Service.

Any illness must be reported to the Infirmary promptly by the student. Students suffering from contagious or infectious diseases must reside in the Infirmary until discharged by the College Physician, or until sent home.

The College Physician maintains office hours each day at the Infirmary. During these hours his services are available without charge, since a medical fee covering this service is paid by all students.

III. SCHOLASTIC REGULATIONS

Advisers.

Each new student is assigned to a member of the faculty who acts as his Adviser. The Adviser helps the student at registration times, and confers with him occasionally throughout the year. The student should call upon his Adviser freely for assistance at any time.

In assigning Advisers to new students, the Registrar considers the information which is furnished on the application for admission. Each student should give as much information about himself as possible, so that he may have sympathetic guidance.

Before May first in his first year each Freshman chooses one subject in which he will do his major work. He is then as-

signed to an Adviser who teaches in the department of the major. The major Adviser takes the place of the Freshman Adviser; with his help the student plans his duties for the remaining years, and selects the courses he will take during the ensuing year.

Deans.

In addition to the Advisers there are four class Deans who act as counsellors to the Freshman, Sophomore, Junior and Senior Classes, respectively. These Deans carry out the general regulations of the College, and act, jointly, as an Advisory Council to the President.

Registration.

All students, both new and old, are required to register at fixed times. The registration day for the first half-year is indicated in the College Calendar. At mid-years there is a registration for the second half-year, and in the spring there is an early registration for the year following. The times for these registrations are announced by special notices.

Each time, when a student is ready to make a choice of studies, he should go to his assigned Faculty Adviser. A Study Card, approved and signed by the Adviser, must be returned to the Office and filed before 4 P. M. on the day of registration.

During May each student is required to fill out not only a list of the courses he will take during the next college year but also a comprehensive plan of the studies he will pursue toward the degree. A Plan of Study sheet as well as an Early Registration card should be filed by all students who have not previously filed one.

Late registration, unless excused by the student's Dean, may involve the payment of \$5.00. Failure to file a Study Card on time, when there is no valid excuse, will involve the payment of a charge of \$2.00.

Change of Program.

During the first two weeks in either half-year students may drop or add courses with the permission of the Registrar and with the approval of the Adviser. After this two-week period the student will be required to pay a charge of \$2.00 if any change is made.

After *November 1*, no course may be dropped until mid-years, and after *March 1* no further change may be made. Tuition will be charged for courses abandoned after these dates—tuition at the half-course rate for all half-courses and for full courses abandoned after *November 1*, and tuition at the full-course rate for full courses abandoned after *March 1*.

A special form must be filed at the Registrar's Office for any change of program.

Courses Required of Freshman.

The course in prescribed English composition is required of every Freshman unless he satisfies the Department of English by examination that the prescription is not necessary in his case. In addition, every Freshman should register for hygiene and for physical training. The student's other courses may be elected from any of the courses regularly open to Freshmen.

An examination for exemption from the prescribed course in English composition is required of all new students on the day of the formal opening of College. Students who originally register for only four courses, and who gain exemption from English 1, will be required to register for an additional course, since no student may take fewer than four courses. At the end of the year credit for one full course in English will be entered on the records of exempted Freshmen.

Physical Training Requirements.

Two years of physical training are required for the degree. These should be completed during the first two years of college work.

Amount of Work Required.

No regular student in any year may take fewer than four courses.

If the number of courses needed for promotion to the next higher class exceeds four, the student will be required to carry the requisite number for promotion, except by special dispensation from his Dean.

Requirements for Promotion.

For all students entering College for the first time in September, 1931, or thereafter, the requirements for promotion are as follows:

To the Sophomore Class: A student must have passed in at least four courses, in *two* of which his grades must be *C* or *higher*.

To the Junior Class: A student must have passed in at least nine courses, in *five* of which his grades must be *C* or *higher*.

To the Senior Class: A student must have passed in at least thirteen courses, in *seven* of which his grades must be *C* or *higher*.

(The consequences of failing to satisfy promotion requirements, are described under "Probation".)

Requirements for promotion of all students entering before September, 1931, are as follows:

To the Sophomore Class:

Four Courses (in addition to Physical Training).

To the Junior Class:

Nine Courses (in addition to two years of Physical Training).

To the Senior Class:

Thirteen Courses.

Amount of Work Permitted.

No student will be permitted to take more than five courses in any one year except by special permission of his Dean. In no case may more than six courses be taken. The Dean may at any time require that a student's program be lightened, even if special permission to take additional courses has previously been granted.

Attendance at College Exercises.

Attendance at all classes and at all other academic exercises is required. Each Dean will exercise his discretion in summoning men who ignore this rule, in warning them against further absences, and in placing on probation men who fail to cooperate.

Unexcused absence from classes either immediately before or immediately after holidays or recesses will at all times be subject to discipline.

Excused Absences.

Absence from classes because of illness or because of some unavoidable occurrence may be excused by the class Dean.

Absence because of illness is excused by the Dean only on the recommendation of the College Physician. See the section on "Infirmary Service," under "Residence Regulations."

Examinations.

Informal hour examinations, covering the work of approxi-

mately the first seven weeks of each half-year, are held in all courses in November and in March.

Mid-year examinations are held at the end of the first half-year. For courses which end at mid-years, these are final examinations.

Final examinations for full courses, and for half-courses which begin at mid-years, are held at the end of the year.

Grades.

Students are graded by letter grades as follows: A, Excellent; B, Very good; C, Satisfactory; D, Passing, but unsatisfactory; F, Failure; I, Incomplete.

An incomplete grade is automatically changed to F in case the work is not completed within the following prescribed periods: at mid-years, within four weeks; at finals, within the first six weeks of the following academic year.

Reports.

Reports are sent to each student, to his parents, and to his Adviser after each grade period; that is, after the November hour-examinations, after the mid-year examinations, after the March hour-examinations, and at the end of the year. Reports of grades are not given out at the end of the school year, however, until the student's College bills are paid.

Good Standing.

In order to remain in good standing, a student must maintain at all times a record which, if it were final, would entitle him to promotion to the next higher class, or in the case of a Senior, to the degree.

The Rank List.

After the mid-year examinations and after the final examinations each student whose record is not unsatisfactory is assigned to one of the four groups of a Rank List on the basis of the work he has accomplished in the preceding half-year. Each student is ranked according to the grades attained in his best four courses except those men whose requirement for the Sophomore year is five courses. Grades required for standing in each of the groups follow:

Group I. Excellence.

A minimum of three grades of A and one of B (with no failures in entire record).

Group II. Distinction.

A minimum of three grades of B and one of C (with no grades of D in best four courses).

Group III. Satisfactory.

A minimum of three grades of C and one of D.

Group IV. Passing.

A minimum which will satisfy promotion requirements but not high enough to fulfill the requirements of a higher group.

The Deans' List.

The Deans' List consists of the names of all students who have attained places in Groups I or II of the Rank List.

Men on the Deans' List are trusted by the Deans with greater responsibility and discretion in the ordering of their college work; they are allowed to observe as they may wish the rules regarding attendance, and are not subject to discipline because of absences.

Abuse of these privileges over an extended time may bring about the removal of any man's name from the Deans' List. Any man on the List who for any reason is placed on probation automatically loses the aforesaid privileges.

Probation because of Unsatisfactory Scholarship.

A student who fails to make at mid-years a record which, if it were final, would entitle him to promotion, may be placed on probation and warned by his Dean that unless his record improves, his probation may be closed.

A student whose record is unsatisfactory as a result of the November hour-examinations ordinarily is warned by his Dean. However, if his record is exceedingly low, he may be placed on probation in November.

A student who at the end of the year fails to make a record which entitles him to promotion is dropped to the next lower class and placed on probation.

Continued Failure to Satisfy Promotion Requirements.

Any student who has been dropped to the next lower class because of his failure to satisfy his promotion requirements, and who during his second year in the same class again fails to

satisfy requirements for promotion to the next higher class, will have his connection with the College finally severed.

Men on Probation.

Men who are placed on probation are expected to exert every effort to regain good standing at the earliest possible moment. A student on probation for any cause will be required to maintain a perfect record in attendance. He may not participate in any athletic contest as a member of a varsity or Freshman team. If the student is reported for any matter of discipline while on probation, his probation will, in most cases, be closed without further warning.

Probation as Discipline.

A student may be placed on probation for failure to maintain a satisfactory attendance record. Unsatisfactory conduct or neglect of any summons from a College officer may also bring the penalty of probation.

Relief from Probation.

A student who has been placed on probation for disciplinary reasons is relieved from probation promptly when he has demonstrated that he no longer should be on probation. A student who has been placed on probation because of unsatisfactory scholarship will, in most cases, be relieved from probation at the next grade period if a satisfactory record is then achieved.

Repeating Courses.

A course which has been passed may not be taken again in order to raise a grade. If a student has received the grade of F in any course, he may repeat the course, or he may substitute another course. If the course failed is one required for the degree or for the fulfillment of the major requirements, it must be repeated.

Continuation of Work in Prescribed English Composition.

A student who has passed English 1 but who still needs training in writing English may, at any time during his Sophomore or Junior year, be required by any instructor, with the consent of the class Dean, to return to the English Department for supplementary work, and may be required to continue this work without credit until excused by the English Department or by the Dean.

Transfer of Course Credits from Other Colleges.

Students who take work at summer schools may petition for transfer of credits on the basis of the work taken at those institutions. Credit is not automatically transferred, but is subject to the approval of the Faculty member at St. John's who teaches the most nearly similar subject. In order to be certain that a given credit will be transferable, the student should confer with the proper Faculty members and with the Registrar before going to summer school. Upon his return the student must submit a transcript of his summer school record. Inasmuch as the formal approval of credit may take some time, the student is urged to submit his transcript and his petition for credit immediately after the conclusions of his summer course.

In controversial cases examinations may be required before credit can be granted.

IV. REQUIREMENTS FOR THE DEGREE

A student must have passed seventeen (17) full courses, or their equivalent in full and half courses, in order to be recommended for the degree. He must, in addition, have attained grades of C or higher in at least nine (9) of these seventeen courses. Further, he must have secured credit for satisfactory work in the course in hygiene and in the courses in physical training (two years of work).

Courses Required for the Degree.

During the four years of the work for the Bachelor of Arts degree, the student must include in his program the following courses:

1. English 1.
2. Required courses for fulfilling the prescription of his major department (approximately six courses).
3. Any language courses prescribed by the major department.
4. Three courses for distribution. (See Courses for Distribution.)
5. In addition to the above, elective courses sufficient to make a total of seventeen courses, exclusive of hygiene and physical training.
6. The course in hygiene, and two full courses or the equivalent in physical training.

Major Courses.

At the end of his Freshman year each student is required to designate his major subject. He will have an instructor in that subject assigned as his Adviser for the rest of his College course. Each student is required to plan, with his Adviser, a tentative program for the Sophomore, Junior, and Senior years, including all of the courses required for the chosen major. It is advisable for the student to take in the Sophomore year any elementary courses which are required.

Language Requirements.

Language requirements (if any) are prescribed by the individual major departments. Since the student does not announce the choice of his major until the end of his first year, Freshmen are advised to consider the matter of languages very carefully before finally submitting their study cards for the first year.

Courses for Distribution.

All courses offered are grouped in three Divisions: (1) The Division of Languages, Literature, and Art, (2) the Division of the Social Sciences and Philosophy, and (3) the Division of the Sciences and Mathematics. The student's major subject falls in one of these three divisions. The student must pass three courses divided between the other two divisions, in not less than two departments which are not represented by courses taken or to be taken in fulfillment of the requirements of the major.

Unless the student has passed in his preparatory school a course in laboratory science approved by the College, he must pass at least *one college course* in a laboratory science.

Major Courses Counting for Distribution.

No course taken to satisfy the requirements of the major may be used for distribution unless the major includes more than six full courses.

V. REQUIREMENTS FOR MAJORS**Biology.**

Four full courses or their equivalent in biology, including Biology 11 (Beginning Zoölogy), Biology 21 ¹hf (Comparative Anatomy of Vertebrates), and Biology 22 ²hf (Embryology of Vertebrates);

Two courses in chemistry: Chemistry 2 (Comprehensive General Chemistry) and Chemistry 33 (Organic Chemistry); The language requirements are two years of college French or their equivalent, and two years of college German or their equivalent. (Courses taken in satisfaction of these language requirements may be counted toward distribution.)

Chemistry.

Chemistry 2 (Comprehensive General Chemistry);
Chemistry 21 ¹hf (Qualitative Analysis);
Chemistry 22 ²hf (Quantitative Analysis, Part I);
Chemistry 31 ¹hf (Quantitative Analysis, Part II);
Chemistry 32 ²hf (Physical Chemistry, Part I);
Chemistry 33 (Organic Chemistry);
Chemistry 42 (Advanced Organic Chemistry);
Physics 21 (Elements of Physics);

The language requirements are two years of college French or their equivalent and two years of college German or their equivalent. It is strongly urged that the German requirement be fulfilled before the end of the Junior year. (Courses taken in satisfaction of these language requirements may be counted toward distribution.)

NOTE.—Mathematics 11 (Introduction to Mathematical Analysis) is a pre-requisite for Chemistry 21 ¹hf. Mathematics 21 (Analytic Geometry and the Calculus) is a pre-requisite for Chemistry 32 ²hf.

Classics.

Three full courses (or their equivalent) in Latin, above Latin 1;
Two full courses (or their equivalent) in Greek, above Greek 1;
A full course (or its equivalent) in ancient history.
Two electives selected with the approval of the Adviser.

Economics.

Economics 21 (General Principles of Economics);
Two of the Junior courses in economics (two full courses, or the equivalent);
Economics 40 (Advanced Economics);
Mathematics 26 ²hf (Statistics) (This should be taken in the Sophomore year);

One full course in psychology or in philosophy;
Government 11 (American Government).

Students who major in economics will be required to take a comprehensive written examination at the end of the Senior year. The courses of concentration will be stressed, but familiarity with adjoining fields of knowledge will be expected.

English.

English 21 (Survey of English Literature);
English 45 (Shakespeare);

Four other full courses in the Department of English, exclusive of English 1.

It is urged that students majoring in English elect History 23 (English History), preferably in their Sophomore year.

By the end of their Junior year, students who major in English must have a reading knowledge of either French *or* German.

At the end of the Senior year, they will be required to take a comprehensive written examination covering the entire field of English literature. Papers will be set in the history of English literature, and in the appreciation of literature. Some works and tendencies of modern literature will be included in the latter paper, and some of the questions will be set in French or German.

English 41 (Chaucer) must be taken by students who wish the recommendation of the Department for graduate study.

French.

See Romance Languages.

German.

Four full courses in German beyond German 10 (Intermediate German), including German 40 (Problems of Current German Life and Thought);

History 21 (Mediaeval European History) and History 22 (Modern European History).

NOTE.—German 21 (Scientific German) does not count toward the major.

Government.

Government 11 (American Government);
Government 21 (Governments of Europe);

Government 30 (Principles and Problems of Government) *or* Government 50 (Reading Course);

Government 41 ¹hf (International Relations) and Government 42 ²hf (International Organization) *or* Government 43 ¹hf. (Political Parties) and Government 44 ²hf. (Constitutional Law);

Economics 21 (General Principles of Economics) *or* a full year of psychology;

History 22 (Modern European History) *or* History 23 (English History) *or* History 25 (History of the United States).

History.

History 1 (Historical Survey);

History 21 (Mediaeval European History) *or* History 23 (English History);

History 22 (Modern European History);

History 25 (The History of the United States);

Economics 21 (General Principles of Economics) *or* Government 11 (American Government) *or* one full course in psychology exclusive of Educational Psychology (Social Psychology) recommended.

English 21 (Survey of English Literature) *or* Art 21 (Introduction to Art) *or* Philosophy 31 (History of Philosophy).

Mathematics.

Mathematics 11 (Introduction to Mathematical Analysis);

Mathematics 21 (Analytical Geometry and the Calculus);

Mathematics 31 (Mathematical Analysis, Part I);

Mathematics 35 (The Elements of Mechanics);

Mathematics 41 (Mathematical Analysis, Part II);

Physics 21 (Elements of Physics).^s

Or:

Mathematics 11 (Introduction to Mathematical Analysis);

Mathematics 21 (Analytical Geometry and the Calculus);

Mathematics 33 (Higher Algebra);

Mathematics 35 (The Elements of Mechanics);

Mathematics 43 (Introduction to Modern Geometry);

Physics 21 (Elements of Physics).

A reading knowledge of French or German is advised.

Philosophy.

- Philosophy 11 ¹hf (Logic);
- Philosophy 15 (Ethics);
- Philosophy 31 (History of Philosophy);
- Philosophy 34 ²hf (Locke, Berkeley, Hume);
- Philosophy 35 ¹hf (History of Religion);
- Philosophy 36 ²hf (Psychology and Philosophy of Religion);
- Philosophy 41 ¹hf (Plato);
- Philosophy 42 ²hf (Schopenhauer);
- One full course or its equivalent in psychology or in history.

Physics.

- Physics 21 (Elements of Physics);
- Physics 31 (Electricity and Magnetism);
- Physics 41 (Physical Optics);
- Physics 42 (Theory of Heat) *or* Physics 43 (Electricity);
- Mathematics 21 (Analytical Geometry and the Calculus);
- Chemistry 2 (Comprehensive General Chemistry).
- Reading knowledge of French and German.

Pre-Medical Sciences.

Each student who wishes to study medicine is advised to take the six essential courses of the pre-medical major, whether he selects this major or some other. These are the courses stipulated by the Council on Medical Education of the American Medical Association as the minimal requirements for admission to the medical schools.

Two full courses in biology: Biology 11 (Beginning Zoölogy), Biology 21 ¹hf (Comparative Anatomy of Vertebrates), Biology 22 ²hf (Embryology of Vertebrates);

Two full courses in chemistry: Chemistry 2 (Comprehensive General Chemistry), Chemistry 33 (Organic Chemistry);

One full course in physics: Physics 21 (Elements of Physics);

NOTE.—Mathematic 11 (Introduction to Mathematical Analysis) is pre-requisite to Physics 21.

One full course in English, which must be actually taken in college.

In addition to the six courses of the major two years of college German or their equivalent and two years of college French or their equivalent, are required. Courses

taken in fulfillment of these language requirements may be counted toward distribution.

Additional courses *advised*: Chemistry 21 ¹hf (Qualitative Analysis), Chemistry 22 ²hf (Quantitative Analysis), Chemistry 32 ²hf (Physical Chemistry, Part I); enough German and French to satisfy proficiently examinations in the medical school, that is, "a reading knowledge" of scientific material.

Psychology.

Three full courses, or their equivalent, in psychology;

Biology 11, either section A or section B;

Philosophy 31.

One additional full course, or the equivalent, in philosophy, or in biology, or in psychology; or a full course in physics;

One additional full course or two half-courses to be elected from the following list:

Any philosophy course;

Any psychology course;

Biology 16 ²hf; Biology 21 ¹hf; Biology 22 ²hf; Biology 30 ¹hf; Biology 33 ²hf; Biology 34 ²hf;

Chemistry 1 or Chemistry 2;

Physics 21;

Mathematics 26 ²hf;

Economics 38 ¹hf and 39 ²hf; Economics 40;

Greek 22 ¹hf; Greek 23 ¹hf; Greek 24 ²hf;

English 24 ²hf; English 49; English 50.

Any student who intends to do graduate work in psychology should learn to read both German and French. He should also take at least two full science courses or their equivalent. Two full years of biology and one of some other science, preferably physics, are recommended. The student should make as thorough a study as possible of physiology, especially the physiology of the nervous system and the ductless glands.

Romance Languages.

Four full courses in one Romance language above French 2 or Spanish 2 (intermediate courses). One of these four must be a course in composition and conversation.

In addition, two full courses in another Romance language.

French 17 does not count toward the ~~degree~~ *major*

Social Sciences.

One course in each department. The courses prescribed are:

Economics 21 (General Principles);

Government 11 (American Government);

History 1 (European History from the Fall of Rome to the Present Time);

Philosophy 31 (History of Philosophy);

One full course in psychology, exclusive of Educational Psychology (Social Psychology recommended);

Three additional courses in the social sciences. These three courses must be distributed over three departments and must have the approval of the departments concerned.

Spanish.

See Romance Languages.

VI. DEGREES WITH HONOR AND DISTINCTION

In order to encourage high scholarship and serious interest in learning, the college in 1927 established degrees "with honor" and "with distinction".

Degrees with Honor.

Highest honor will be awarded to those students who have pursued during their last two years a course of study in some measure independent of regular courses and leading to a comprehensive examination in one field of knowledge. Opportunity will be given to acquire a more complete mastery of one subject than has ordinarily been done under the course system. In some departments there will be opportunity for original research and the writing of a thesis. The examination may be conducted not only by the major department and other members of the Faculty, but also by competent persons outside the College.

The requirements for the degree "with honor" or "cum honore" are as follows:

a. The candidate shall, at some time before the end of the Junior year, make application to his Dean for acceptance as a

candidate for honors, and must have therefor the approval of his Adviser and of the department of his major.

b. He shall obtain a general average of at least 80 for the four years, and an average in his major subject of at least 85.*

c. He shall, either during his Junior and Senior years, or during one of them, accomplish special work in his major subject, the type and amount of which shall be decided in conference between him and the instructors in his major department.

d. He shall, towards the end of his Senior year, pass a comprehensive oral and written examination in his major subject before a board composed of the instructors of the major group, other members of the Faculty, and at least one visiting examiner.

Degrees with Distinction.

A degree "with distinction" or "cum laude" will be granted to any student who has done especially good work in all the courses which he has taken. A student to win this degree must, during a regularly required residence in the College, obtain an average of 85 or above.* Degrees "with great distinction," or "magna cum laude," will be granted by vote of the Faculty in rare cases to altogether exceptional students.

A student may win a degree both "with distinction" in general studies and "with honor" in his major subject.

* For determining comparable averages the mid-point of each grade-range in the following scale is used: A=100-90, B=89-80, C=79-70, and D=69-60.

ROOM ASSIGNMENTS, 1933-34

NOTE.—Courses bearing the announcement, "Hours to be arranged" will meet times and places designated by the instructor in consultation with the Registrar.

Course	Hall and Room	Course	Hall and Room
Art 21	McDowell 24	Government 21	McDowell 31
Art 33-1hf, 34-2hf.....	McDowell 24	Government 30	McDowell 31
Biology, <i>all courses</i>	Biology Building	Government 41-1hf, 42-2hf..	McDowell 31
Chemistry, <i>all courses</i>	Humphreys Hall	Greek 1	McDowell 31
Economics 21 A.....	McDowell 33	Greek 22-1hf, 24-2hf.....	McDowell 31
Economics 21 B.....	McDowell 21	Greek 23-1hf, 34-2hf.....	McDowell 31
Economics 23-1hf	McDowell 21	Greek 33	McDowell 31
Economics 37	McDowell 21	History 1	McDowell 31
Economics 38-1hf, 39-2hf...	McDowell 21	History 22	McDowell 31
Economics 40	McDowell 24	History 23	McDowell 31
English 1 A.....	McDowell 36	History 25	McDowell 31
English 1 B.....	McDowell 36	History 45-1hf, 46-2hf.....	McDowell 24
English 1 C.....	McDowell 22	Hygiene 1	Humphrey's Lecture Room
English 1 D.....	McDowell 31	Latin 15	McDowell 31
English 1 E.....	McDowell 22	Latin 23	McDowell 31
English 21	McDowell 32	Mathematics 1-1hf, 2-2hf...	McDowell 31
English 23	McDowell 32	Mathematics 11 A.....	McDowell 31
English 31.1-1hf, 31.2-2hf...	McDowell 22	Mathematics 11 B.....	McDowell 31
English 37	McDowell 23	Mathematics 11 C.....	McDowell 31
English 45	McDowell 23	Mathematics 21	McDowell 31
French 1	McDowell 36	Mathematics 25-1hf, 26-2hf..	McDowell 31
French 2 A.....	McDowell 34	Mathematics 31	McDowell 24
French 2 B.....	McDowell 36	Mathematics 33	McDowell 24
French 11	McDowell 22	Mathematics 35	McDowell 24
French 13	McDowell 32	Mathematics 41	McDowell 24
French 17	McDowell 22	Mathematics 45	McDowell 24
French 20	McDowell 22	Philosophy 11-1hf, 12-2hf...	McDowell 31
French 41	McDowell 22	Philosophy 15	McDowell 24
German 1 A.....	McDowell 31	Philosophy 31	McDowell 31
German 1 B.....	McDowell 31	Philosophy 34-2hf	McDowell 31
German 10	McDowell 21	Philosophy 35-1hf, 36-2hf...	McDowell 24
German 20	McDowell 23	Physics, <i>all courses</i>	Humphrey's Hall
German 21	McDowell 34	Psychology 20 A	McDowell 31
German 35	McDowell 32	Psychology 20 B.....	McDowell 31
Government 11 A,		Psychology 27	McDowell 31
Humphrey's Lecture Room		Psychology 29	McDowell 31
Government 11 B—		Spanish 1	McDowell 31
Mon., Wed...Humphrey's Lecture Room		Spanish 2	McDowell 31
Friday	McDowell 21	Spanish 11	McDowell 31
Government 11 C.....	McDowell 32	Spanish 13	McDowell 31