

SIXTY-FOURTH

Catalogue and Register

- OF -

*Samford*

# HOWARD COLLEGE

EAST LAKE STATION  
BIRMINGHAM, ALABAMA

FOR THE ACADEMIC YEAR 1905-06, WITH  
ANNOUNCEMENTS FOR 1906-07



PUBLISHED QUARTERLY

- BY -

HOWARD COLLEGE



Samford

1905-06

## ORGANIZATION.

---

The College is composed of eight academic schools or departments, as follows:

- I. School of Latin Language and Literature.
- II. School of Greek Language and Literature.
- III. School of English and Elocution.
- IV. School of Modern Languages.
- V. School of Mathematics.
- VI. School of Natural Sciences.
- VII. School of Mental and Moral Sciences.
- VIII. Bible Study.

Instruction is also given in History.

The knowledge of English has weight in determining the standing of students in all subjects.

Samford 1905-06

HOWARD COLLEGE.

31

### SPANISH.

A brief course in elementary Spanish is offered to those who desire a reading knowledge of the language. No credit given for this course.

*Texts.*—Loiseaux's Elementary Spanish Grammar, Spanish Reader, Padre Isla's Historia de Gil Blas de Santillana.

### V.—School of Mathematics.

*Professor Brand.*

This school offers a course in mathematics extending through the four years of collegiate study. A thorough knowledge of arithmetic and elementary algebra is required for admission into the freshman class.

Throughout the entire course reasoning rather than memorizing is insisted upon. Numerous original problems and exercises are given to test accuracy and to encourage self-confidence on the part of students.

The freshman and sophomore years include only pure mathematics. The Juniors continue the same line of work, with the addition of Plane Surveying, Plane Analytic Geometry, and such applications of mathematics as may seem beneficial to the particular class.

The senior year, consisting largely of applied mathematics, is required of none but students of Engineering. This vicinity offers rare opportunities to students working toward Engineering. Beginning with the second term of the junior year, occasional outings will be made to the various railroads, mines, furnaces, foundries, factories, power-houses, etc., in and around Birmingham.

#### COURSE OF STUDY.

I.—I. PLANE GEOMETRY.—*Three hours a week entire year.* Method of developing a demonstration emphasized. Theory of limits introduced. Numerous original exercises assigned. Required of all Freshmen.

*Text-Book.*—Wentworth, Revised Edition.

C

Samford  
1905-06

2. ALGEBRA, INTERMEDIATE COURSE.—*Two hours a week entire year.* A rapid review of elementary principles. The use of the equation stressed. Theory of Limits introduced. Methods of factoring, Synthetic Division, etc., studied. Required of all Freshmen.

*Text-Book.*—Jocelyn.

II.—3. SOLID GEOMETRY.—*Three hours a week first term.* Rapid review of difficult portions of plane geometry. The spacial concept and spacial relations emphasized. Solid and Spherical Geometry completed.

*Text-Book.*—Wentworth, Revised.

4. ALGEBRA, ADVANCED COURSE.—*Two hours a week first term.* The uses of the equation, of proportion and of variation stressed. Series, The Binomial Theorem, Logarithms, Annuities, The Theory of Limits, Undetermined Coefficients, Indeterminate Equations.

*Text-Book.*—Jocelyn.

5.—PLANE TRIGONOMETRY.—*Three hours a week, latter half of sophomore year.* Ratio definition of functions of angles, theory of limits as affecting functions of angles, functions of multiple and fractional angles, right and oblique plane triangles.

*Text-Book.*—Wentworth, Revised.

6. PHYSICS (Elementary Course).—*Two hours a week.* See Physics I.

III.—7. PLANE TRIGONOMETRY (Advanced Course).—*Three hours a week, first term.* Review of Trigonometry with certain applications, Plane Surveying, the logarithmic series, development of the functions of angles.

*Text-Book.*—Wentworth, Revised.

8. PHYSICS (Intermediate Course).—*Two hours a week, entire year.* See Physics II.

9. ANALYTIC GEOMETRY.—*Three hours a week, second term.* The straight line, circle, parabola, ellipse, and hyperbola.

*Text-Book.*—Bailey and Wood.

Samford 1905-06

HOWARD COLLEGE

HOWARD COLLEGE. LIBRARY 33

IV.—10. SPHERICAL TRIGONOMETRY WITH ASTRONOMY.  
See Astronomy I.

11. PHYSICS (Advanced Course).—*Two hours a week,*  
entire year. See Physics III.

12. REVIEW OF ALGEBRA AND ARITHMETIC.—*One hour*  
*a week,* entire year. Required of all Seniors. Text-Book.—  
Any advanced arithmetic.

V.—13. DIFFERENTIAL AND INTEGRAL CALCULUS.—*Three*  
*hours a week,* one year. Offered primarily for students work-  
ing toward Engineering. Open to others who show ability to  
handle mathematics.

*Text-Book.*—Osborne.

14. ANALYTIC GEOMETRY.—(Advanced Course.)

*Text-Book.*—C. Smith.

15. CALCULUS.—(Advanced Course.)

*Text-Book.*—Murray and Byerly.

*Note.*—No. 13 is for either undergraduate or graduate  
students; Nos. 14 and 15, for graduate work and recite by  
appointment.

---

VI.—School of Physics and Astronomy.

*Professor Brand.*

Recognizing the great progress made during the last eight  
to ten years in the science of Physics, the policy of the College  
is to develop this department of its work as rapidly as possible.  
Throughout the three years' course the subject is presented as  
a mathematical science; numerous problems follow each chapter  
to test the student's knowledge of the theory. Laboratory work  
is given parallel with the junior and senior years, and by means  
of mathematical checks the quantitative side of experiments is  
emphasized.

Astronomy, presupposing some knowledge of advanced  
mathematics and physics, is offered during the senior year.

M  
x  
G

COURSES OF STUDY AND DEGREES.

There are five regular undergraduate courses of study.

1. THE CLASSICAL COURSE (A.B., Courses I. and II.)
2. THE SCIENTIFIC COURSE (B.S., Courses I., II. and III.).

These courses are outlined below, and lead to the degrees of BACHELOR OF ARTS and BACHELOR OF SCIENCE, as indicated in the schedule.

A. B. Course I.

SUBJECTS	FIRST YEAR.	RECITATIONS A WEEK
English and Bible, I.....		5
Latin, I.....		5
Greek, I.....		5
Mathematics, I.....		5
History, I.....		2
SECOND YEAR.		
Latin, II.....		5
Greek, II.....		5
English, II.....		5
Mathematics, II.....		5
History, II.....		3
THIRD YEAR.		
Latin, III.....		3
Greek, III.....		3
English, III.....		3
Psychology and Logic, I.....		2
Chemistry, I.....		5
Mathematics, III.....		5

SUBJECTS	FOURTH YEAR.	RECITATIONS A WEEK
Bible, II.....		2
Greek, IV.....		2
English, IV.....		3
Astronomy, I.....		2
Biology, III.....		3
Physics, III.....		2
Ethics and Economy, I.....		3
Mathematics.....		1

A. B. Course II.

FIRST YEAR.

Latin, I.....	5
Biology, I.....	5
English and Bible, I.....	5
Mathematics, I.....	5
History, I.....	2

SECOND YEAR.

French, I.....	5
Latin, II.....	5
English, II.....	5
Mathematics, II.....	5
History, II.....	3

THIRD YEAR.

Latin, III.....	3
French, II.....	3
German, I.....	5
English, III.....	3
Psychology and Logic, I.....	2
Mathematics, III.....	5

FOURTH YEAR.

German, II.....	3
English, IV.....	3
Ethics and Economy, I.....	3
Biology, III.....	3
Physics, III.....	2
Astronomy, I.....	2
Mathematics.....	1
Chemistry.....	5

5

B. S. Course I.

SUBJECTS	FIRST YEAR.	RECITATIONS A WEEK
Latin, I.....	.....	5
English and Bible, I.....	.....	5
Biology, I.....	.....	5
Mathematics, I.....	.....	5
History, I.....	.....	2
SECOND YEAR.		
Biology, II., and Geology.....	.....	5
Latin, II.....	.....	5
English, II.....	.....	5
History, II.....	.....	3
Mathematics, II.....	.....	5
THIRD YEAR.		
French, I., or German, I.....	.....	5
English, III.....	.....	3
Psychology and Logic, I.....	.....	2
Chemistry, I.....	.....	5
Mathematics, III.....	.....	5
FOURTH YEAR.		
French, II., or German, II.....	.....	3
English, IV.....	.....	3
Ethics and Economy, I.....	.....	3
Biology, III.....	.....	3
Physics, III.....	.....	2
Mathematics.....	.....	1
Astronomy, I.....	.....	2
Chemistry, II.....	.....	2

B. S. Course II.

SUBJECTS	FIRST YEAR.	RECITATIONS A WEEK
Mathematics, I.....	.....	5
Biology, I.....	.....	5
English and Bible, I.....	.....	5
Mathematics, II.....	.....	5
History, I.....	.....	2

SUBJECTS

SECOND YEAR.

RECITATIONS  
A WEEK

Biology, I., and Geology.....	5
English, II.....	5
History, II.....	3
Mathematics, III.....	5
French, I.....	5

THIRD YEAR.

German, I.....	5
English, III.....	3
Psychology and Logic, I.....	2
Chemistry, I.....	5
Mathematics, IV.....	5
French, II.....	3

FOURTH YEAR.

Astronomy, I.....	2
English, IV.....	3
Biology, III.....	3
Physics, III.....	2
Mathematics, V. and VI.....	5
German, II.....	3

B. S. Course III.

FIRST YEAR.

English and Bible, I.....	5
Geometry, I.....	5
History, I.....	2
Biology, I.....	5
Algebra, O.....	5

SECOND YEAR.

English, II.....	5
Mathematics, II.....	5
French, I.....	5
History, II.....	3
Biology, I., and Geology.....	5

THIRD YEAR.

English, III.....	3
Psychology and Logic, I.....	2

SUBJECTS	RECITATIONS A WEEK
Mathematics, III.....	5
German, I.....	5
French, II.....	3

FOURTH YEAR.

English, IV.....	3
Biology, III.....	3
Chemistry, I.....	5
Physics, III.....	2
Astronomy, I.....	2
Ethics and Economy, I.....	3
German, II.....	3

In addition to these subjects, each student in the junior and senior classes recites once a week in the Bible throughout the session.

Explanations and Requirements Regarding Courses and Degrees.

1. For the divisions of the subjects taught in any year and the text-books used, the student is referred to the separate schools under the head "Departments of Instruction."
2. Students who are candidates for any one of the several degrees are required to pursue the course of study outlined for that degree. Deviations are allowed on the approval of the Faculty.

Graduate Degrees.

The graduate degrees are MASTER OF ARTS and MASTER OF SCIENCE. A graduate degree may be obtained by a graduate of this College, or of any other institution of equal grade, by pursuing, *in residence*, a one-year's course of study approved by the Faculty. Special courses looking to the graduate degrees will be given in the several schools.

GRADING

In every class the day and graded according to record of daily marks of each month are recorded. From the determined.

To the parent of this record of classification as may be judicious attention of reports may be made and in sustaining grade.

In addition to the embracing the subject the close of each term session as may be required to test the student's knowledge to determine whether he graduate. In order 70 per cent. of the graduation average count.

Students must maintain



Date: Wed, 20 Apr 2011 16:18:14 -0500 [04/20/11 17:18:14 EDT]

From: Special Collections Department <scdept@samford.edu>

To: "hlh2105@columbia.edu" <hlh2105@columbia.edu>

Subject: RE: Patron Request...scresearchform.html

Samford

From looking at the catalogue, I believe you have all the relevant pages for Mathematics. I believe it was the same in the 1914/15 catalog that it was in the earlier one. However, the 19/14/15 catalogue didn't make that information very clear.

You said in your original email that you have page 101. Do you also have page 100? It briefly describes the requirements for a Bachelor of Arts degree. It does not mention Math.

Our catalogues through the 1912/13 academic year are now available at <http://www.archive.org/details/samforduniversity>

Special Collection Department  
Samford University Library  
800 Lakeshore Drive  
Birmingham, Alabama 35229

From: Apache [apache@server8.samford.edu]  
Sent: Monday, April 18, 2011 1:01 PM  
To: Special Collections Department  
Subject: Patron Request...scresearchform.html

The upshot:  
no math major  
in 1905-06

On 2011-04-18 at 14:01:22,  
The following information was submitted:

From Host: 173.56.91.32  
firstname = Heather  
lastname = Huntington  
email = hlh2105@columbia.edu  
address = 12 9th Ave  
city = Sea Cliff  
state = NY  
zip = 11579  
telephone = 646-530-4566

citation = I am a PhD student at Teachers College, Columbia University, and I am helping Dr. Walter Meyer of Adelphi University with his research on the Cajori Two Curriculum Project. We are collecting catalog information from undergraduate institutions dating back to 1905. We have already collected quite a bit of information from your college, except now that we are sorting through the documents we realized that we are missing some information. We would be extremely grateful if you could help us complete our file on Samford University by sending us photocopies of what we are missing, and we are willing to pay for any photocopying charges.

In the pages we have of the 1914-15 catalog (p. 87, 88, 89, 90, 101) we do not see any description of a major in mathematics. It may be that there was no major in that year. Early in the century, this concept did not exist at some schools. Perhaps the catalog index will be useful here. If there is a major, could you send a photocopy of the course requirements for completing it?

In this regard, I might mention that 9 years earlier, in 1905-06, Howard evidently did not have a major in mathematics, but it did have 3 types of BS degrees and the course requirements in mathematics for each type were outlined (p. 44-46). If such an arrangement existed in 1914-15 we would be happy to have a photocopy of the description of those 1914-15 BS programs.

We would greatly appreciate any assistance you can offer. Please let me know if you can help. We have a small amount of funds supplied to us by the Mathematical Association of America, so we will be happy to pay for photocopying charges. If you would like any further information about our project and Samford University's