

Samford 1914-15

Semester System

HOWARD COLLEGE BULLETIN

SPRING ISSUE

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HOWARD COLLEGE

IN

BIRMINGHAM, ALABAMA

APRIL, 1915

For the Academic Year 1914-'15
Announcements for 1915-'16

PUBLISHED QUARTERLY BY HOWARD COLLEGE

8

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MATHEMATICS

THEOPHILUS R. EAGLES, *Professor*

1. **College Algebra.** (Reitz and Crathorne). M., W., F. S.,
Section I, 8:00.
Section II, 9:00.
Quadratics through the Theory of Equations.
First semester, four hours.
Required of all candidates for graduation.
2. **Plane and Spherical Trigonometry.** (Durell). M., W.,
F. S.
Section I, 8:00.
Section II, 9:00.
Second semester, four hours.
Required of all candidates for graduation.
3. **Analytical Geometry.** (Fine and Thompson). M., W.,
F., 11:30.
This course treats of conic sections and higher
plane curves. First semester, three hours.
Prerequisite: Mathematics 1-2.
4. **Calculus.** (Townsend and Goodenough). M., W., F.,
11:30.
Differential and Integral. Second semester,
three hours. Prerequisite: Mathematics 3.
- 3-A. **Calculus.**
A continuation of Mathematics 4.
First semester, three hours.
- 4-A. **Analytical Mechanics.** (Maurer).
Application of the Calculus. Second semester.
three hours.
5. **Surveying and Higher Surveying.** (Raymond). M., W.,
F., 10:30
Drawing (Drawing will be taken two hours
per week extra). A fee of \$2.50 will be charged

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ir as here used is one
or its equivalent, each
of 36 weeks."

ology. T., Th., 8:00.
Required for teach-
semester.

, 8:00.
Required for teach-
nd semester.

ation. T., Th., 9:00.
Required for teach-
semester.

tive work. T., Th., 9:00.
week, second semes-

it of Schools. T., Th.,
week, first semester.

ilosophy of Education.
week, second semester.

I and Special. T., Th.,
week, first semester.

for this course. First semester, three hours. Mathematics 5 will not count without Mathematics 6.

6. Continuation of Mathematics 5.

M., W., F., 10:30.

Continuation of Mathematics 5. A fee of \$2.50 will be charged for this course. Second semester, three hours.

5-A. Road and Railroad Surveying.

This course will also include the study of materials for road building. Fee \$2.50.

First semester, three hours.

Prerequisite: Mathematics 5-6. Course 5-A will not count without 6-A.

6-A. Sanitary Engineering.

This course will treat of the laying of water pipes, sewer lines, and the building of reservoirs.

Fee \$2.50. Second semester, three hours.

7. Advanced Algebra. (Fine.)

This course will treat of the solution of higher equations, the Theory of Equations, Partial Fractions, Mathematical Induction, Binomial, Theorem with Negative and Fractional Exponents, Logarithms and the Infinite Series. First semester, three hours.

Prerequisite: Mathematics 1-2.

8. Analytical Geometry. (C. Smith.)

A more advanced course than is given in Mathematics 3. Second semester, three hours.

Prerequisite: Mathematics 3.

9. Calculus. (Gibson.)

A more advanced course than is given in Mathematics 4 and 3A. Mathematics 9 will not

count without Mathematics 10. First semester, three hours.

Prerequisite: Mathematics 4 and 3A.

10. Continuation of Mathematics 9.

Continuation of Mathematics 9.

Second semester, three hours.

11. Theory of Equations. (Burnside and Panton.)

Course 11 will not count without Mathematics 12

First semester, three hours.

Prerequisite Mathematics 3, 4 and 7.

12. Continuation of Mathematics 11.

Second semester, three hours.

13. Differential Equations. (Murray.)

Course 13 will not count without Mathematics 14.

First semester, three hours.

Prerequisite: Mathematics 3, 3A, 4, 9 and 10.

14. Continuation of Mathematics 13.

Second semester, three hours.

Students registering for courses above 5-6 will consult with the Professor before registering, as all of the higher courses will not be given in any one year.

MATHEMATICS IN SUMMER SCHOOL

(a) *College Algebra*.—This course will cover the first half of Mathematics 1.

One credit.

(b) *College Algebra*.—This course completes the regular course in Mathematics 1

Course b cannot be taken until a has been completed.

One credit.

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count without Mathematics 10. First semester, three hours.

Prerequisite: Mathematics 4 and 3A.

10. Continuation of Mathematics 9.

Continuation of Mathematics 9.
Second semester, three hours.

11. Theory of Equations. (Burnside and Panton.)

Course 11 will not count without Mathematics 12
First semester, three hours.
Prerequisite Mathematics 3, 4 and 7.

12. Continuation of Mathematics 11.

Second semester, three hours.

13. Differential Equations. (Murray).

Course 13 will not count without Mathematics 14.

First semester, three hours.

Prerequisite: Mathematics 3, 3A, 4, 9 and 10.

14. Continuation of Mathematics 13.

Second semester, three hours.

Students registering for courses above 5-6 will consult with the Professor before registering, as all of the higher courses will not be given in any one year.

MATHEMATICS IN SUMMER SCHOOL

(a) *College Algebra*.—This course will cover the first half of Mathematics 1.

One credit.

(b) *College Algebra*.—This course completes the regular course in Mathematics 1

Course *b* cannot be taken until *a* has been completed.

One credit.

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(c) *Trigonometry*.—Plane. This will cover the first half of the Mathematics 2.
One credit.

(d) *Trigonometry*.—Spherical. This course completes Mathematics 2, and cannot be taken until Mathematics (c) has been completed.
One credit.

NOTE.—Mathematics *a* and *c* may be taken in the same summer and Mathematics (*b*) and (*d*) may be taken during the following summer. This makes it possible for students to get Math. 1-2 complete during two summer sessions.

SCHOOL OF MUSIC

DR. SHELBURNE'S ANNOUNCEMENT

By affiliation of the Southern School of Musical Art the College, for the first time, announces a School of Music. By this arrangement certain college credits will be allowed for attainments in music. ✓The very reasonable fees (see page 38) charged for music in Howard College opens a great, new field of culture to our students.

We call attention to statement of Mr. H. K. Milner, President of the Southern School of Musical Art. Some words of other prominent musical patrons are also added.

◆ Birmingham, Ala.,
May 6, 1915.

Dr. James M. Shelburne, President,
Howard College,
City.

Dear Sir:

Until the Southern School of Musical Art was established, there was no real Conservatory of Music with a faculty composed *entirely* of artists of the highest rank, anywhere in the south.

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Courses of Studies and Degrees

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For the degree of Bachelor of Arts sixty points of undergraduate work are necessary. Of these twenty-three points are required. The remaining thirty-seven points are elective. All candidates for graduation must, in their Senior year, present a satisfactory thesis on or before May 1. This thesis shall consist of at least two thousand words and must be written under the direction of a regular professor. The student is required to choose subject for thesis by November 1.

For the degree of Master of Arts one major and two or more minor subjects are necessary, which combined shall consist of at least fifteen actual recitations per week. The major subject shall consist of work which is beyond the undergraduate courses in the department chosen. The minor subjects may be chosen from undergraduate courses, but it is presupposed that the candidate will do a greater amount of work in these courses than the undergraduates. The amount of additional work to be determined by the professor in charge. A thesis on some subject chosen from the major work required. Thesis to consist of not fewer than two thousand words nor more than three thousand, and must be completed and accepted by May 1. The thesis may be counted as the equivalent of three recitations a week. The Committee on Senior and Graduate Studies supervises the courses chosen by the candidates for the Master's degree.

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FOR THE A. B. DEGREE

The subjects required for the A. B. degrees are as follows:

English Language.....	1-2
English Literature.....	1-2
Mathematics.....	1-2

Choose two from the following: Greek 1-2, Latin 1-2, German 1-2, French 1-2.

Choose one from the following: Chemistry 1-2, Physics 1-2, Biology 1-2.

	Points
Total required.....	23
Total elective.....	37
Total for degree.....	60

GRADING AND EXAMINATIONS

In every class the student is questioned on the lesson of the day and graded according to his knowledge of the subject. A record of daily marks is kept by the professor. At the end of each six weeks an average of these marks is calculated and recorded. From this record the students class standing is determined.

To the parent or guardian is sent periodically a transcript of this record of class standing, together with such other information as may be deemed important. By the prompt and judicious attention of those to whom they are addressed, these reports may be made of great value in promoting improvement and in sustaining good discipline.