

**UNIVERSITY OF CALIFORNIA. ANNUAL  
ANNOUNCEMENT OF COURSES OF  
INSTRUCTION. IN THE COLLEGES OF LETTERS,  
SOCIAL SCIENCES, COMMERCE,  
AGRICULTURE, MECHANICS, MINING, CIVIL,  
ENGINEERING, AND CHEMISTRY, FOR THE  
ACADEMIC YEAR 1901-1902**

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UNIVERSITY OF CALIFORNIA

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ANNUAL ANNOUNCEMENT  
OF  
COURSES OF INSTRUCTION

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SCIENCES, NATURAL SCIENCES, COMMERCE,  
AGRICULTURE, MECHANICS, MINING, CIVIL  
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FOR THE ACADEMIC YEAR 1901-1902

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BERKELEY  
The University Press  
1901

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COURSES OF INSTRUCTION OFFERED IN THE  
COLLEGES AT BERKELEY FOR THE  
ACADEMIC YEAR 1901-02.

The hours of recitation, lecture, etc., are given for most of the courses. The following abbreviations are used: M., Monday; Tu., Tuesday; W., Wednesday; Th., Thursday; F., Friday; S., Saturday; A., Agricultural Experiment Station Building; B., Botany Building; C., Chemistry Building; E., East Hall; G., Harmon Gymnasium; H., Hearst Gymnasium; L., Bacon Art and Library Building; M., Mechanics Building; MC, Mining and Civil Engineering Building; N., North Hall; O., Students' Observatory; P., Philosophy Building; S., South Hall. Courses permissible for the Group Elective are denoted by the abbreviation (G.R.).

**PHILOSOPHY.**

GEORGE H. HOWISON, M.A., LL.D., Mills Professor of Intellectual and Moral Philosophy and Civil Polity.

CHARLES M. BAKEWELL, Ph.D., Associate Professor of Philosophy.

GEORGE M. STRATTON, Ph.D., Associate Professor of Psychology, and Director of the Psychological Laboratory.

WILLIAM P. MONTAGUE, Ph.D., Instructor in Philosophy.

HARRY A. OVERSTREET, A.B., B.Sc. (Oxon.), Instructor in Philosophy.

JOSEPH E. BRAND, Ph.B., Assistant in the Psychological Laboratory.

The Group Elective. Complete Group Electives in Philosophy can be made up in four different directions, viz.: I, in Philosophy proper, including its history and the direct discussion of its chief problems, but more especially its metaphysical and ethical problems; II, in Psychology; III, in Logic and the Theory of Knowledge; IV, in the Department at large. Under IV, there can be several combinations, according to the student's preference; for exact information as to these, the head of the department must be consulted.

In combining Philosophy with other subjects to form a Group Elective, not fewer than 12 units in Philosophy are permissible. Courses 1, 2, 19, and 20 cannot form part of any Group Elective. All

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courses but 15, 19, and 20 may be taken as Free Electives, subject to the prerequisite for each.

**Teachers' Courses.** Courses 1, 2, 3, 4, and 13 are especially valuable for teachers, actual or prospective.

**1. Formal Logic.** Dr. MONTAGUE and Mr. OVERSTREET.

With especial reference to practice on division, definition, the forms and transformations of judgments, the syllogism, deductive and inductive, and fallacies.

3 hrs., either half-year. M., W., F. In four sections: Sections I and II, 1:00; Section III, 2:00; Section IV, 4:00. Prerequisite: At least Sophomore standing, or status of Special Student in Education.

**2. General Psychology.**

Associate Professor STRATTON and Dr. MONTAGUE.

The facts of consciousness, their classification and analysis, and their relations to the nervous system; with demonstrations in brain anatomy and in psychological experiment.

3 hrs., either half-year. In three sections. Associate Professor STRATTON, lecture to all sections, M., 3:00, and Section I, W., F., 3:00; Dr. MONTAGUE, Section II, W., F., 9:00, Section III, W., F., 3:00. Prerequisite: Usually Junior standing or status of Special Student in Education; but Sophomores free from deficiencies may take the course.

**3. History of Philosophy. (G.E.)\***

Professor HOWISON and Associate Professor BAKWELL.

Critical account of Occidental Philosophy in outline, from its beginnings in Ionia to the present time.

2 hrs., throughout the year. M., F., 10:00. First half-year, Ancient and Mediaeval Philosophy, Associate Professor BAKWELL; second half-year, Modern Philosophy, Professor HOWISON. Prerequisite: Usually, Junior standing or status of Special Student in Education; but Sophomores free from deficiencies may take the course.

**SPECIAL NOTICE.**—Courses 1, 2, and 3 may all be taken in one year, if students so elect; that is, they may accompany Course 3 with Course 1 in the first half-year, and with Course 2 in the second, or vice versa. Or they may take Courses 1 and 2 together in either half-year.

\* May only be included in the Group Elective by students combining Philosophy with other subjects.



4. Ethics, including Civil Polity. (G.E.)

Professor HOWISON, assisted by Mr. OVERSTREET.

A general introduction to the subject, including: An outline history of ethical theories; critique of the conflict between hedonism and rigorism, determinism and freedom, pessimism and optimism; investigation of the nature of a State, and its bearing on the limits of liberty and allegiance; sketch of the history of political theories.

4 hrs., throughout the year. M., Tu., Th., F., 9:00. Prerequisite: Courses 1, 2, and 3.

SPECIAL NOTICE.—In taking Course 4 as part of the Group Elective in the special direction of Psychology or of Logic, the student may divide it, so as to make it include but four units. This may be done (1) by taking the subject during the first half-year only; or (2) by taking it during the second half-year only. For this purpose the first part must be registered as Course 4A, and the second part as Course 4B. But this privilege is usually restricted to students with the special Group Electives named; in the case of others, special application for it must be made to the head of the department.

5. The Philosophy of Kant. (G.E.) Professor HOWISON.

The cardinal distinctions and doctrines of the system expounded and criticized.

2 hrs., throughout the year. Tu., Th., 11:00. Prerequisite: Courses 1, 2, and 3. (Course 13 is advised as precedent, and Course 4 as accompaniment.)

6. Introduction to Psychological Experiment. (G.E.)\*

Associate Professor STRATTON, assisted by Mr. BRAND.

Detailed demonstration of characteristic groups of experiments, with lectures on the methods of research.

3 hrs., second half-year. Tu., 2:00 (2 hrs.); Th., 3:00. Prerequisite: Course 2. (Students are advised to bring also Courses 1 and 3, or at any rate to take Course 3 as an accompaniment.)

10. Inductive Logic. (G.E.) Dr. MONTAGUE.

Based on a study of Mill's Logic and Pearson's Grammar of Science, with especial reference to the criticism of the empiristic philosophy of logic.

2 hrs., throughout the year. Tu., Th., 4:00. Prerequisite: Course 1; or status of Special or regular Student in Education, if the applicant is approved after conference with the instructor. Course 3 must either precede or accompany this course. (Courses 2, 6, and 13 would form valuable auxiliaries.)

\* May only be included in the Group Elective by students combining Philosophy with other subjects.

11. **Advanced General Logic.** (G.E.) Dr. MONTAGUE.  
Based on a study and criticism of the writings of Lotze, Bradley, and Bosanquet.  
2 hrs., throughout the year. Prerequisite: Course 10.
- \*13. **Psychological Conference.** (G.E.)  
Associate Professor STRATTON.  
Discussion of selected topics in psychology, in their historical setting, and as treated by writers of the present day.  
2 hrs., first half-year. M., 10:00-12:00. Prerequisite: Courses 3 and 6.
14. **Psychological Laboratory.** (G.E.)  
Associate Professor STRATTON, assisted by Mr. BRAND.  
Individual investigation of special problems assigned for practice in the use of apparatus, and in the application of the methods of psychological experiment.  
9 hrs., second half-year—3 units. M., Tu., W., Th., F., 1:00-4:00.  
Prerequisite: Course 6. (A desirable accompaniment is Course 13 or Course 5; or both, when practicable.)
15. **Psychological Laboratory: Advanced.** (G.E.)  
Associate Professor STRATTON, assisted by Mr. BRAND.  
Individual investigation of special problems assigned for original research.  
Not less than 9 hrs., throughout the year—3 units; but at least 15 hrs.—5 units—recommended. Units and hours to be arranged with each student. Prerequisite: Course 14, or its equivalent; permission to elect the course, obtained from the director after conference. The course is primarily for Graduates, though qualified Seniors will be admitted to it.
16. **Plato and Aristotle.** (G.E.) Associate Professor BAKEWELL.  
Introduction to their systems by a comparative study.  
2 hrs., throughout the year. Tu., Th., 2:00. Prerequisite: Courses 1, 2, and 3. (Familiarity with Greek, Latin, and German or French, is desirable, though not for the present required.)

\*Not to be given in 1901-02.

17. **Scholastic Philosophy.** (G.E.) Associate Professor BAKEWELL.  
An introductory study of mediæval thought, with especial reference to the systems of Aquinas and Scotus.  
2 hrs., throughout the year. Tu., Th., 3:00. Prerequisite: Courses 1, 2, and 3; Course 16, as accompaniment, if not previously completed. (Familiarity with Latin, Greek, and German or French, is an important adjunct, but is not for the present required.)
18. **Theory of Knowledge.** (G.E.) Associate Professor BAKEWELL.  
Development and criticism of the leading theories of knowledge, aiming at a constructive result.  
3 hrs., second half-year. M., W., F., 2:00. Prerequisite: Courses 1, 2, and 3.
19. **Seminary in the Theory of Knowledge.** Associate Professor BAKEWELL.  
Investigation of new and unsettled questions in this field.  
2 hrs., throughout the year. Hours to be arranged with members. Prerequisite: Graduate standing, with Courses 11 and 18; or their equivalent, resting on equivalent preparation; permission to join the seminary, obtained from the director after conference.
20. **Philosophical Seminary.** Professor HOWISON.  
Topics changed from year to year. For 1901-02, Hegel's *Logic* or *Problems in Metaphysics*, as may be decided after organization.  
2 hrs., throughout the year, at hours to be arranged with members. Prerequisite: Graduate standing, a good reading knowledge of German, and thorough acquaintance with the subjects of Courses 1-5, 10 and 11, 16-18; permission to join the seminary, obtained from the director after conference.
21. **English Philosophy from Hobbes to Spencer.** (G.E.) Associate Professor BAKEWELL.  
A critical study of the development of English empiricism.  
2 hrs., throughout the year. M., F., 1:00. Prerequisite: Courses 1, 2, and 3.
22. **Modern French Philosophy.** (G.E.) Associate Professor BAKEWELL.  
The development of French philosophy in the eighteenth and nineteenth centuries, with especial reference to the schools of Cousin, Comte, and Renouvier.