

**ANNUAL ANNOUNCEMENT OF COURSES OF  
INSTRUCTION IN THE COLLEGES OF LETTERS,  
SOCIAL SCIENCES, NATURAL  
SCIENCES, COMMERCE, AGRICULTURE,  
MECHANICS, MINING, CIVIL  
ENGINEERING, AND CHEMISTRY, FOR THE  
ACADEMIC YEAR 1902-1903**

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# UNIVERSITY OF CALIFORNIA

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UNIVERSITY OF CALIFORNIA

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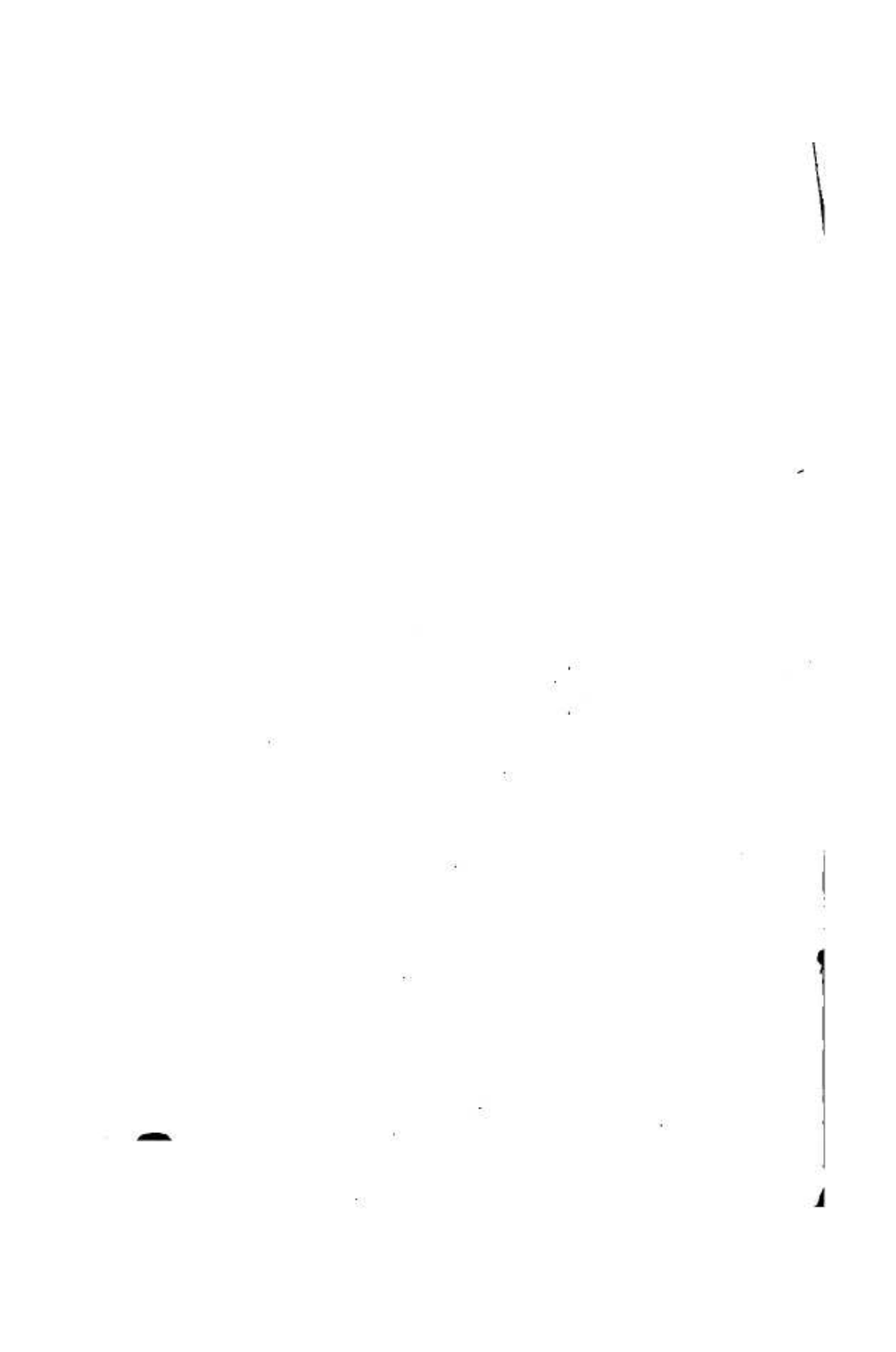
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BERKELEY  
The University Press  
1902



COURSES OF INSTRUCTION OFFERED IN THE  
COLLEGES AT BERKELEY FOR THE  
ACADEMIC YEAR 1902-03.

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.E.).

**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.

KNIGHT DUNLAP, M.L., 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, and 30 cannot form part of any Group Elective. All

California University 12-5-11g

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

**Teachers' Courses.** Courses 1, 2, 3, 4, 13, and 24 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 (Dr. MONTAGUE) and II (Mr. OVERSTREET), 1; Section III (Mr. OVERSTREET), 2; Section III (Dr. MONTAGUE), 3. 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; and Section I, W F, 3. Dr. MONTAGUE: Section II, W F, 2; Section III, W F, 2. 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 BAEWELL.

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

2 hrs., throughout the year. M F, 10. First half-year: Ancient and Medieval Philosophy, Associate Professor BAEWELL. 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. First half-year: Professor HOWISON, M Tu Th; Mr. OVERSTREET, F. Second half-year: Professor HOWISON, Tu Th; Mr. OVERSTREET, M F. 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 Elective 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 criticised.

2 hrs., throughout the year. Tu Th, 11. 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. DUNLAP.

Demonstration of characteristic groups of experiments, with individual practice in the use of apparatus and in the application of the experimental methods of psychological research.

2 hrs., throughout the year. Tu Th, 3. 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 the later standard writings on Induction, with the aim of attaining a critical philosophy of the logic of observational science.

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

2 hrs., throughout the year. M W, 11. 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.)

\*11. Higher Logic, as Theory of Truth and Reality. (G.E.)

Mr. OVERSTREET.

Based on a study and criticism of the logical doctrines of Plato and Aristotle; Spinoza and Leibnitz; Fichte and Hegel; Lotze, Bradley, and Bosanquet.

2 hrs., throughout the year. Hours to be arranged with students. Prerequisite: Course 10. (Courses 5, 16, and 23, or so many of them as practicable, should be combined with this course by students who have not already completed them.)

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., second half-year. M, 10-12. Prerequisite: Courses 3 and 6.

15. Psychological Research. (G.E.)

Associate Professor STRATTON, assisted by Mr. DUNLAP.

Individual investigation, by the methods of the laboratory, of special problems assigned for original inquiry.

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, at times within M Tu W Th F, 1-4. Prerequisite: Course 9, 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 BAKWELL.

Introduction to their system by a comparative study.

2 hrs., throughout the year. M F, 3. Prerequisite: Courses 1, 2, and 3, and a reading knowledge of Greek. Familiarity with Latin, and German or French, is desirable, though not for the present required.

This course may be counted also as Group Elective in Greek.

\* Not to be given in 1902-03.

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. Hours to be arranged with students. 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. Prerequisite: Courses 1, 2, and 3.
20. **Philosophical Seminary.**  
The Department STAFF OF INSTRUCTION.  
Topics changed from year to year, upon conference among the teaching members, some one of whom will be made director for the year. Subject for 1902-03: Some Fundamental Problems in Logic. Director, Professor HOWISON.  
2 hrs., throughout the year, at hours to be arranged with members. Prerequisite: Graduate standing, a good reading knowledge of German or other languages requisites to a first-hand study of texts, 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. 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.  
2 hrs., first half-year. Hours to be arranged with students. Prerequisite: Courses 1, 2, and 3. (A reading knowledge of French is expected of students electing this course.)

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\* Not to be given in 1902-03.