

STANFORD UNIVERSITY BULLETIN

TWENTY-NINTH
ANNUAL REGISTER
1919-20

"The beneficence of the Creator towards man on earth, and the possibilities of humanity, are one and the same."—LELAND STANFORD.

"A generous education is the birthright of every man and woman in America."

—DAVID STARR JORDAN.

STANFORD UNIVERSITY, CALIFORNIA
PUBLISHED BY THE UNIVERSITY

35b. Hydraulic Machinery and Power Stations.—Elements of hydraulic machinery with special reference to prime movers. Elements of the design of hydraulic power stations with special reference to modern hydroelectric practice; general control of water in tunnels and penstocks, surge chamber, control of surges and shocks, valves and regulating devices, penstocks and their installation, selection of units, characteristics of impulse and reaction types, speed regulation, installation tests, and special problems. Prerequisite: Engineering 12. (Four lectures and three hours' office work per week.)

5 units, spring quarter (DURAND) Lec. MTWTh 9; office work as arranged

36. Pumping Machinery.—Discussion of the principal problems arising in the design and operation of pumping machinery of various types, direct, centrifugal, rotary, propeller; and for various purposes, general service, boiler feed, fire service, mine drainage, irrigation, municipal supply, oil line service, etc. (Two lectures and three hours' office work per week.) Prerequisites: course 32, and Engineering 12.

3 units, winter quarter (DURAND) Lec. TTh 9; office work as arranged

40. Theory of Flight.—Discussion of elementary principles, and application to the chief problems arising in the theoretical discussion of the flight of air-craft heavier than air. (Two lectures with collateral problems.)

2 units, winter quarter (DURAND) Lec. TTh 9

FEES: Courses 1, 3, 7, \$10.00 each; courses 5, 6, \$8.00 each; course 8, \$2.00 per credit hour; courses 24, 25, 26, \$4.00 each; courses 21, 22, 23, \$5.00 each; course 30, \$1.50 per credit hour; courses 35, 36, 50c each.

ENGLISH

WILLIAM HERBERT CARRUTH, RAYMOND MACDONALD ALDEN, LEE EMERSON BASSETT, JOHN S. P. TATLOCK, Professors.

WILLIAM DINSMORE BRIGGS, HENRY DAVID GRAY, SAMUEL SWAYZE SEWARD, JR., Associate Professors.

HOWARD JUDSON HALL, ARTHUR GARFIELD KENNEDY, FRANCES THERESA RUSSELL, EVERETT WALLACE SMITH, Assistant Professors.

MARGERY BAILEY, HARRIET BRADFORD (Dean of Women), ELISABETH LEE BUCKINGHAM, MILLER L. MCCLINTOCK, EDITH RONALD MIRRIELES, WARREN PAUL STANIFORD Instructors.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

a. The courses ordinarily prescribed in the major subject include Chaucer, Shakespeare, the advanced courses (81, 82, 83, 84) in the History of English Literature (four quarters), and an advanced course

in a single author (as Milton, Wordsworth, or Spenser), besides such preliminary courses in composition, vocal expression, or literature as may be advised in individual cases. In the advanced courses in English Literature one of two substitutions may be made: (a) for course 82, the course in Elizabethan Drama; or (b) for course 83, the course in Modern English Fiction (68). (Students making English their major subject in preparation for journalism will meet the same requirements as other English majors, but may substitute for two of the advanced courses in literature appropriate courses in some other subject, with the approval—to be obtained in advance—of their adviser.)

b. It is required also that each student pursue work in one foreign language and literature sufficiently for the accomplishment of two ends, (1) a practical reading knowledge of the language chosen, and (2) some acquaintance with its most important literature. This requirement is not primarily a matter of formal credit-hours, but will ordinarily be found to demand a minimum of 24 units of college work in the chosen language, aside from elementary courses (two years in the high school or one in the University). Students should be sure that their language studies are so planned as to accomplish the ends desired. Introductory courses in Latin and Greek, if pursued in the University, will be counted as college work. Those who make Latin or Greek their principal language are advised, in general, to include two years of work in a modern language among their elective studies; and those who have chosen a modern language are encouraged to include among their elections two years of work in Latin or Greek.

c. A course in English History is also prescribed for those who have not had a separate course in the subject in the high school.

THE TEACHER'S RECOMMENDATION.—The High School Teacher's Certificate is granted by the State to students who have fulfilled the State requirements as set forth in the *Information Bulletin*, involving for applicants without experience one full year of graduate study. Recommendation by the department is granted by vote to students whose work has been of high character. It should be distinctly understood that a mere passing grade does not entitle a candidate to the endorsement of the department. The undergraduate courses prescribed are, in addition to a reading knowledge of at least one foreign language, Composition, Shakespeare, Chaucer, English Language, Teachers' English, one course in a literary type (as epic, drama, lyric), and three of the five courses 81, 82, 83, 84, 99, being the course in Versification and the period courses in English literary history. The graduate courses must comprise not less than three units of work for each quarter of study.

In addition, provision is made for minor certificates requiring in English, 30 units; in English Composition, 25 units; and in Public Speaking, 30 units.

ADVANCED DEGREES

The candidate for the Master's degree in English must have: (1) The equivalent of the requirements for the A. B. degree in English; (2) an elementary knowledge of Old English; and (3) a reading knowledge of two foreign languages (preferably one ancient and one modern).

The work for the degree must occupy at least one full year of graduate study in residence, the greater part in English, the remainder in related fields. The courses in English will be divided between literature and philology. The candidate must present a thesis prepared under the direction of a member of the department and demonstrating the candidate's power of concentrated, independent study. This thesis may be accepted in lieu of not more than nine units of the work in the course.

For the conditions of acquiring the Doctor's degree, see the *Graduate Study Bulletin*.

PRELIMINARY AND GENERAL COURSES

[In general, courses 1-13 are open to first-year students; courses 16-30 are open to second-year students.]

A. Elementary Composition.—A one-quarter course required of all first-year undergraduates who do not pass the matriculation test in English.

1 unit, autumn, *winter, and *spring quarters (MIRRIELES, BRADFORD)

MWF 8, 9

[For each student in course A, except in case of those who meet the requirement within a short time, a fee of \$10 is charged.]

2. English Composition.—Practical work in narration and description, one quarter; in exposition, one quarter. Special sections for English and Journalism majors.

3 units, any two quarters (CARRUTH, SEWARD, HALL, RUSSELL, MIRRIELES, KENNEDY, BAILEY)

MWF 8, 10

4. Vocal Expression.—A study of the principles of expressive reading, and the vocal interpretation of masterpieces in prose and poetry, with supplementary work in voice development. Each student is expected to memorize and vocally interpret 350 lines of Shakespeare during the quarter. The course is open to a limited number of students in the order of their application. Application should be made before the first meeting of the class in the quarter, and the instructor reserves the right to refuse to enroll students who do not appear at the first session of the class. Two sections.

4 units, autumn, *winter, and *spring quarters (BUCKINGHAM)

(autumn, winter) TWThF 9, 10; (spring) TWThF 9

2½ units, first half summer quarter (BASSETT)

MTWThF 8

14. Tennyson.—A study of selected portions of Tennyson's poems, illustrating the growth of his literary art. A general course, designed for first- and second-year students, and open to third- and fourth-year students by permission only.

4 units, winter quarter (HALL)

MTWTh 9

16. Advanced Composition.—Including both rapid writing and the preparation of long themes. Prerequisite: course 2.

4 units, autumn and winter quarters (RUSSELL)

MTWF 9

17. News Writing.—Intended to give a foundation for the other courses offered in journalism, and a prerequisite for them. The structure of the news story and news values are studied, with practice in writing the various forms of news stories. Sources of news and methods of news-gathering are considered, together with newspaper organization; the student is given an introduction to copy-reading, headline writing, and proofreading. Intended primarily for second-year students, but first-year students may be admitted if sufficiently prepared in English composition. One quarter's work in English 2 is a prerequisite, with two or three quarters recommended. All writing in the course must be done on the typewriter.

3 units, autumn and winter quarters (STANFORD)

MWF 11

18a. Reading and Staging Plays.—A course in play reading and play giving with special reference to high school and amateur dramatics.

1½ units, summer quarter, 1st half (BASSETT)

MWF 10

18b. Interpretative Readings.—A course in the vocal rendering of pieces of literature studied in secondary schools, and of such poems, stories, and scenes from plays as members of the class may choose for individual study.

1½ units, summer quarter, 2d half (BASSETT)

MWF 10

19a. Vocal Interpretation.—The oral interpretation of poetry, chiefly of the nineteenth century. Prerequisites: courses 4 and 5. Open to a limited number of students in order of application.

3 units, winter quarter (BASSETT)

MWF 2:05

19b. Vocal Interpretation: Dramatic Literature.—The study of short plays of literary and dramatic merit for presentation before the class. Parts will be assigned. Attention will be given to characterization and action. Prerequisite: course 19a. Open to a limited number of students in order of application.

3 units, autumn quarter (BUCKINGHAM)

MWF 2:05

2½ units, second half summer quarter (——)

MTWThF 9

20. Practical Debate.—Under supervision of the department those students who work on intercollegiate debate questions may receive credit upon satisfactory completion of the work.

1 or 2 units, any quarter except summer (McCLINTOCK)

By arrangement

satisfactory grade in courses 7 and 32. Admission in order of application.

3 units, spring quarter (McCLINTOCK) By arrangement

34. Dramatic Composition.—The principles of dramatic writing developed in connection with the student's own work. Enrollment limited. Students must submit some specimens of their work in advance. May be taken for any quarter or throughout the year.

3 units, autumn, winter, and spring quarters (GRAY) W 2:05-4:05

35. Prosody and Verse Writing.—Study of lyric poems, with practical exercises in the same. Open also by permission to second-year students who have had six units in English composition.

3 units, spring quarter (CARRUTH) TTh 3:05

36. Short Story Writing.—Practice in the writing of short stories, and a study of the principles governing their composition. The third quarter, conferences dealing with the construction of the short story, open by permission to students who have completed three quarters of work.

3 units, winter and spring quarters (MIRRIELES) MWF 11

37. Essay Writing.—Preparation of magazine articles, criticisms, and papers of both informal and analytical character. Prerequisite: course 2.

3 units, spring quarter (RUSSELL) MWF 9

40. Editorial Writing.—A study of the purpose and power of the newspaper editorial.

2 units, spring quarter (SMITH) TTh 9

41. News Analysis.—A systematic study of current news.

2 units, one quarter (SMITH) [Not given in 1920-21]

42. Correspondence.—Instruction and practice in the work of the newspaper correspondent.

3 units, two quarters (SMITH) [Not given in 1920-21]

43. American Journalism.—A survey of the development of journalism, with a study of representative newspapers. (Course 17 a prerequisite.)

5 units, spring quarter (SMITH) MTWThF 8

44. Practical Reporting.—This is a continuation of course 17 (News Writing) and consists chiefly of practical work in gathering and writing news for the student newspaper, the *Daily Palo Alto*, with two class meetings a week for instruction in copy-reading, headline writing, and other subjects.

3 units, autumn, winter, and spring quarters (STANIFORD) TTh 9

45. Editorial Management.—Practical advanced work on the editorial staffs of campus publications.

2 or 3 units, autumn, winter, and spring quarters (SMITH, STANIFORD)
By arrangement

46. Advertising.—The aim is to give to students who are training for journalism, and to others who expect to go into business, some of the elementary and fundamental principles of advertising. Intended primarily for juniors and seniors who have had English 17, together with elementary economics and elementary psychology; with permission of the instructor others may be admitted.

5 units, spring quarter (STANIFORD)

MTWThF 10

49. Voice Training.—Lectures on the voice, with class exercises. Open only to public-speaking minors.

1 unit, autumn quarter (BASSETT)

[Not given in 1919-20]

50. Public Speaking.—Practice in the preparation and delivery of speeches adapted to various audiences and occasions, with attention to the style of spoken discourse. Prerequisite: course 7. Open to a limited number of students in the order of application.

3 units, winter and spring quarters (BASSETT)

MWF 9, 1:05

2½ units, second half, summer quarter (BASSETT)

MTWThF 8

51. Public Reading.—A course in the preparation of poems, stories, and scenes from novels and plays for public presentation. Prerequisites: courses 4, 5, 19a, and 19b. Open to a limited number of students in the order of application.

2 units, winter and spring quarters (BASSETT)

T 2:05-4:05

52. Oral Debate.—Practice in the preparation and delivery of oral arguments, chiefly on current public questions. Prerequisite: course 32. Open to a limited number of students in the order of application.

2½ units, second half summer quarter (McCLINTOCK)

MTWThF 8

53. Teachers' Course in Oral Expression.

2 units, spring and *summer quarters (BASSETT)

(spring) T 2:05-4:05;
(summer) TTh 10

54. The Short Story.—A study of the short story in English, with especial attention to its development during the nineteenth century.

3 units, spring quarter (MIRRIELES)

MWF 8

55. Old English.—Elements of Old English Grammar with reading exercises.

4 units, winter and summer quarters (TATLOCK, KENNEDY)

MWThF 10

56. The History of the English Language.

3 units, spring quarter (TATLOCK)

MWF 10

58. Chaucer.—An elementary course, including an outline of Middle English Grammar for the beginner. Open to third-year students who have a reading knowledge of one foreign language.

3 units, winter and *summer quarters (TATLOCK, KENNEDY)

MWF 1:05