

Lebanon Valley College BULLETIN

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No. 4

EXTENSION SCHOOL ANNOUNCEMENTS

PUBLISHED BY
LEBANON VALLEY COLLEGE
ANNVILLE, PA.

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HIRAM H. SHENK, A.M.....*Professor of History*

A. B., Ursinus College, 1899; A. M., Lebanon Valley College, 1900; Student, University of Wisconsin, summer term; Instructor in Political Science, Lebanon Valley College, 1899-1900; Professor of History and Political Science, 1900-1916; Custodian of Public Records, Pennsylvania State Library, 1916 to date; Instructor in Y. M. C. A. Summer Schools, Blue Ridge, N. C., 1916-1920, Silver Bay, 1918, and Lake Geneva, 1921; Educational Secretary, Army Y. M. C. A., Camp Travis, 1917-1918; Professor of History, Lebanon Valley College, 1920—

SAMUEL H. DERICKSON, M.S., Sc.D., *Professor of Biological Science*

B. S., Lebanon Valley College, 1902; graduate student, Johns Hopkins University, 1902-1903; M. S., Lebanon Valley College, 1903; Sc.D., Lebanon Valley College, 1925; Professor of Biological Science, Lebanon Valley College, 1903; Land Zoologist, Bahama Expedition, Baltimore Geographical Society, summer 1904; Director, collection of Eocene and Miocene Fossils for Vassar College, summer 1908; Student, Marine Biology, Bermuda, summer 1909; Student Tropical Botanical Gardens, Jamaica, summer 1910; Student Brooklyn Institute of Arts and Sciences, summer 1911; Acting President of Lebanon Valley College, summer 1912; Member American Association for the Advancement of Science, The Botanical Society of America, the Phytopathological Society of America.

CHRISTIAN R. GINGRICH, A.B., LL.B.....*Professor of Social Science*

A. B., Franklin and Marshall College, 1911; Principal of High School, Alexandria, Pa., 1911-1912; Principal of High School, Linglestown, Pa., 1912-1913; LL.B., University of Pennsylvania Law School, 1916; Member of Law Bar of Lebanon County and of Pennsylvania Supreme Court Bar; Professor of Political Science and Economics, Lebanon Valley College, 1916—

PAUL S. WAGNER, Ph.D.....*Professor of Mathematics*

A. B., Lebanon Valley College, 1917; Instructor in Mathematics, Lebanon Valley College, 1917-18; Military Service, 1918-19; Headmaster, Franklin Day School, Baltimore, Md., and Graduate Student, Johns Hopkins University, 1919-20; Graduate Student, Columbia University, Summer Sessions of 1921 and 1923; Instructor in Mathematics, Lebanon Valley College, 1920-23; Leave of Absence and Graduate Student, Johns Hopkins University, 1923-26; M.A., *ibid.*, 1925; Ph.D., *ibid.*, 1926; Member of The Mathematical Association of America, The Mathematical Society of America, The Phi Beta Kappa Society and The Sigma Xi Scientific Fraternity.

ANDREW BENDER, Ph.D. *Professor of Chemistry*

A. B., Lebanon Valley College, 1906; Ph.D., Columbia University, 1914; Professor of Chemistry and Physics, Lebanon Valley College, 1907-1909; Instructor in Analytical Chemistry, Columbia University, 1912-1914; In Industrial Chemistry, 1914-1921; Chief Chemist, Aetna Explosives Company; Chemical Director, British American Chemical Company; Director of Control Laboratory, The Barrett Company; Professor of Chemistry, Lebanon Valley College, 1921—

ROBERT R. BUTTERWICK, A.M., B.D., D.D., *Professor of Philosophy and Bible*

A. B., Lebanon Valley College, 1901; A. M., *ibid.*, 1904; B. D., Bonebrake Theological Seminary, 1905; D.D., Lebanon Valley College, 1910; twenty-six years in the Ministry; Professor of Philosophy and Religion, Lebanon Valley College, 1921-1922; Professor of Philosophy and Bible, 1922—

HAROLD BENNETT, Ph.D., *Josephine Bittinger Eberly Professor of Latin Language and Literature*

B. A., Victoria College, University of Toronto, 1915; military service with Canadian Expeditionary Forces, 1915-1918; Fellow in Latin, University of Chicago, 1919-1921; Ph.D., University of Chicago, 1921; Professor of Latin, College of Charleston, Charleston, S. C., 1921-1922; Professor of Latin Language and Literature, Lebanon Valley College, 1922—

ETHEL MARY BENNETT, B.A., *Professor of French Literature and German*

B. A., Victoria College, University of Toronto, 1915; in charge of Modern Language Department, Ontario Ladies' College, Whitby, Ont., 1915-1919; Tutor in French and German, University of Chicago, 1920-1921; Graduate Student, Univ. of Chicago, Summer, 1922; Professor of French Literature, Lebanon Valley College, 1922—

O. EDGAR REYNOLDS, A.B., M.A., *Professor of Education and Psychology*

Teacher, Principal and Superintendent of Schools, 1903-1913; Diploma, Illinois State Normal University, 1914; A. B., University of Illinois, 1916; M. A., Columbia University, 1917; Head of the Department of Education and Psychology, College of Puget Sound, 1917-1920; Student Leland Stanford University, Summer quarter, 1920; Professor of Psychology and Education, University of Rochester, 1920-1923; Student Columbia University, Summers 1921 and 1922; Completed course and residence requirements for Ph.D. Degree, Columbia University, 1923-1924; Assistant in School Administration, Teachers College, Columbia University, Summer 1924; Professor of Education and Psychology, Lebanon Valley College, 1924—

PAUL A. W. WALLACE, Ph.D. *Professor of English*

B. A., Victoria College, University of Toronto, 1915; Graduate study, Columbia University, summer 1921; M. A., University of Toronto, 1923; Ph.D., University of Toronto, 1925; Travel in England and Europe, 1910-1911, 1914, 1919; Military service with the Canadian Expeditionary Force, 1916-1918; Lecturer in English, University of Alberta, 1919-1922; Instructor in English, University of Toronto, 1923-1925; Professor of English, Lebanon Valley College, 1925.

GENERAL STATEMENT

FROM time to time members of the Faculty of Lebanon Valley College have been called upon to conduct "extension courses" in various places, so as to meet the needs of such persons as found it impossible to attend the courses given within the college. The service developed very naturally, and almost unnoticed. The college is always willing and ready to extend its services where they are needed and appreciated. It hopes to meet this obligation by employing its educational facilities in a manner productive of the greatest service to those interested in educational advancement. Accordingly, the college will be glad to receive requests from groups who desire courses other than these, and to arrange, whenever possible, to supply such instruction as may be desired.

The courses offered are, for the most part, intended primarily for those engaged in teaching. However, all other qualified persons will be admitted to extension courses, and some courses are more or less definitely planned to meet the needs or interests of persons outside of the teaching group. All courses will be taught by members of the College Faculty, and will be of college grade and receive credit as such. Inasmuch as Lebanon Valley College is an accredited institution, on the first list of colleges and universities, persons who complete these courses may safely assume that their credits will be honored wherever they may be presented. The credits earned in these courses will be counted by Lebanon Valley College towards its Baccalaureate degrees.

REQUIREMENTS FOR ADMISSION

(a) For College Credit

College credit will be given only to those who have fulfilled the College Entrance Requirements as described on pages 26-27 of the regular College Catalogue.

(b) Without College Credit

A limited number of persons whose preparation may not meet the requirements as set forth above may be admitted to courses at the discretion of the instructors.

COURSES LEADING TO THE BACCALAUREATE DEGREES

An effort is being made by the College to offer in the Extension Department and the Summer Session all the General Requirements for the Baccalaureate degree. Most of these courses are announced for the present year, and the remainder will be made available at an early date. In cases where six semester hours are required, the departments will normally offer four hours in Extension work and a two hour supplementary course in Summer School. The residence requirement of one year may be met by attendance at Summer School. In this way the Baccalaureate degree will be made available to those who are not able to attend the regular annual College sessions.

For the convenience of those working towards a degree, a full statement of the requirements is printed below:

ARRANGEMENTS OF COURSES OF STUDY

Lebanon Valley College offers three courses of study leading to the Baccalaureate degree:

- (1) A course leading to the degree of Bachelor of Arts (A.B.)
- (2) A course leading to the degree of Bachelor of Science (B.S.)
- (3) A course leading to the degree of Bachelor of Science in Education (B.S. in Ed.)

The total number of credits required of candidates for these degrees is the same in each case, and is 126 semester hours.

As part of this total requirement, every candidate must present at least 24 semester hours in one department (to be known as his Major), and at least 16 semester hours in another department (to be known as his Minor). Both Major and Minor must be selected not later than the beginning of the Junior year, the Minor to be suitably related to the Major, and chosen with the advice and approval of the Head of the Major department.

The A.B. degree will be awarded to those fulfilling the requirement for a Major in the following departments: Bible and New Testament Greek, English, French, German, Greek, History, Latin, Mathematics (Arts option), Political and Social Science, Philosophy and Religion.

The B.S. degree will be awarded to those fulfilling the requirements for a Major in the following departments: Biology, Chemistry, Mathematics (Science option), Physics.

The B.S. in Ed. degree will be awarded to those fulfilling the requirements for a Major in Education, but in this case two Minors of not less than 16 semester hours each must be presented.

GENERAL REQUIREMENTS

Certain courses, embodying the fundamentals of a liberal education, are required of all students. These courses, which vary slightly according to the degree sought, are as follows:

A.B.	B.S.	B.S. in Ed.
Bible 14, 54.	Bible 14, 54.	Bible 14, 54.
English 12, 14, 26.	English 12, 14, 26.	English 12, 14, 26.
*French 16 or German 16.	French 16 or German 16.	French 16 or German 16.
History 46.	History 46.	History 46.
†Latin 16 or Math. 13, 23.	Mathematics 13, 23, 36.	Latin 16 or Math. 13, 23.
Philosophy 23, 33, or Economics 16 or Pol. Science 16 or Sociology 16.	Philosophy 13, 23, or Economics 16 or Pol. Science 16 or Sociology 16.	Psychology, 12, 22. Economics 16 or Pol. Science 16 or Sociology 16.
Biology 18 or Chemistry 18, or Physics 18.	Biology 18. Chemistry 18. Physics 18.	Biology 18 or Chemistry 18, or Physics 18.
Physical Education 11, 21.	Physical Education 11, 21.	Physical Education 11, 21.

* Twelve semester hours of Foreign Language are required of all candidates for the A. B. degree; six hours of this total must be from French 16 or German 16.

† Latin is required of all students majoring in English, French, Greek or Latin.

For explanation of numbers used above see the departmental announcements in Annual Catalogue.

SPECIAL REQUIREMENTS

In addition to the General Requirements listed above, some of the departments require students majoring therein to take certain additional courses in subjects closely related to the Major.

Students outlining a course for a degree should communicate at once with the Head of the Department in which they intend to Major.

Candidates for the Baccalaureate degree who desire to be admitted to advanced standing, by virtue of work done in other institutions, should lose no time in having their credits evaluated by the Registrar, in order that they may be informed as to what requirements they must still meet for graduation.

THE MASTER'S DEGREE

Some of the courses offered in the Extension Department may be taken for credit towards a Master's degree, provided arrangements are made in advance with the instructor. Some extra work will be required, such as additional reading, reports, experiments, etc. The

complete regulations governing graduate work for the degrees of A.M. and M.S. may be obtained upon application to the Registrar of the College.

CALENDAR

Each class will meet for thirty sessions at the specified time each week from September to May, exclusive of Thanksgiving, Christmas and Easter recesses. The first meeting of each group will be held in the week of September 20 for organization.

PLACE AND TIME OF CLASSES

The classes in Harrisburg will meet in the Central High School. In Annville classes will meet in the Administration Building. Classes meeting in the college at Annville are specifically so noted.

Classes will meet for one two hour period each week, the time of meeting to be arranged by the instructor and students at the organization meeting of each course.

WITHDRAWAL OF COURSES

Any of the courses announced in this bulletin may be withdrawn in case the registration is not sufficient to justify the forming of a class. Ten registrations will be considered sufficient for courses to be given at Annville, and twenty registrations for courses to be given in the other places.

SCHEDULE OF ORGANIZATION MEETINGS

Harrisburg—Central High School Building, Sept. 29, 7:00 P. M.
Annville—Administration Building, Sept. 25, 8:00 A. M.

REGISTRATION

Registration will be made at the time and place of the first meeting of the classes. All those who are interested are invited to attend the first meeting of any class, at which time questions may be asked and the nature of the work will be more fully explained.

EXPENSES

A fee of \$1.00 will be charged for matriculation and registration. The tuition charge for extension courses will be \$6.00 for each credit point, a point being a semester hour. For example, the charge for matriculation and registration in courses leading to eight points credit would be \$49.00. This is approximately the regular fee for tuition in the college. Fees for the first semester are due and payable at the time of registration. Fees for the second semester are payable on or before Feb. 1st. **Remittances should be made to Lebanon Valley College, and may be sent by mail to Agent of Finance Committee.**

DESCRIPTION OF COURSES

BIBLE

Dr. Butterwick

Bible E-14. General Introduction to the English Bible. Two hours. Throughout the year.

The purpose of this course is to acquaint the student with the history of the Jewish people and a comprehensive survey of the literature of the Bible.

BIOLOGY

Dr. Derickson

The Department of Biology aims to offer in extension courses to teachers the courses in Biological Science required for graduation with the degree of Bachelor of Arts or Bachelor of Science in Education, or in the fulfillment of the requirements of a minor in Biology. The courses offered also constitute the first three courses required of those majoring in Biology.

The courses include a course in General Biology, one in Botany and one in Zoology. Not all of the courses are offered in the same year. The course in General Biology was given in 1923-24. The course in Zoology was given last year and the course in Botany will be offered in 1926-27.

While a course in General Biology will prove very helpful to those pursuing the courses in Botany and Zoology, the latter are so arranged that they may be taken without the former.

Each of the courses is divided into two parts. Part one consists of lectures, demonstrations and recitations. Part two consists of laboratory and field work.

The following will be offered this year:

E-28. Botany. Part One. Two hours. Throughout the year. Lectures, demonstrations and recitations.

The object of the course is to give the student a broad, general knowledge of the plant kingdom. The lectures will give a general survey of the plant kingdom from the simplest to the most complex, giving consideration to structure, physiological processes, life history, ecological relationships and economic importance. Each plant studied will be viewed from the standpoint of its origin and constant comparisons made with others.

The course, although inculcating the scientific habit of thought, will emphasize the cultural rather than the technical aspects of the subjects. Credit, 4 semester hours.

Part Two. Two hours. Throughout the year. Laboratory and field work.

Representatives of practically every class in the plant kingdom will be studied in the laboratory with reference to structure and

life history and in the field to ascertain their ecological relationships. In this work the student has the opportunity to get, by personal observation, concrete ideas of the principles and generalizations discussed in Part One.

Methods of conducting field work, of collecting materials for laboratory and preserving same for museum or demonstration, the preparation of microscopic slides, etc., are included in this part of the course. Credit, 4 semester hours.

The laboratory work is given only at the college laboratory at Annville, where every modern facility for conducting the work is provided. Each student is furnished with compound microscope, dissecting instruments, apparatus for experiments, note book and drawing materials, for which a laboratory fee of six dollars per semester is charged in addition to the tuition for the course. Field trips are made to several points of interest. Materials are available for those who desire to prepare specimens for use in teaching.

Biological Problems. Two hours. Throughout the year.

Practical biological problems adapted to the needs of the individual student will be assigned to a limited number of students possessing the necessary preliminary training. This course is intended for teachers of Biology or those engaged in other biological work who are majoring in Biology for either Bachelors or Masters degrees. A minimum of four hours laboratory work with conferences and reports on same each week. Credit, 4 semester hours.

CHEMISTRY

Dr. Bender

The college offers this year two lecture demonstration courses in chemistry.

E-14. General Chemistry. Two hours. Throughout the year. An introduction to the study of chemistry, including a study of the elements, their classification and properties, and a study of the important compounds of each element. During the course constant reference is made to manufacturing and industrial processes, and interpretation of the phenomenal material development of the present century is made in the light of the rapid increase in chemical knowledge. Each lecture will be illustrated by lecture experiments and the use of charts and industrial products. Credit, 4 semester hours.

The laboratory work of this course can, if desired, be done on Saturdays in the College laboratories, for which an additional credit of four semester hours will be given. The course thus offered is equivalent to Course Chemistry 18 offered in the College.

E-24. Organic Chemistry. Two hours. Throughout the year. A study of the sources, classification and type reactions of organic materials, of food-stuffs and their relation to nutrition, dyes, pharmaceuticals, explosives, coal tar intermediates, manufacturing processes and recent developments in this field of Chemistry. The course will include a carefully selected series of demonstrations, the display of a large number of representative materials, and the use of about one hundred charts specially designed and prepared by the instructor. A knowledge of the elements of Chemistry will be assumed. Credit, 4 semester hours.

The laboratory work of this course can, if desired, be done on Saturdays in the College laboratories for which an additional credit of four semester hours will be given. The course thus offered is equivalent to Course Chemistry 48 offered in the College.

EDUCATION AND PSYCHOLOGY

Prof. Reynolds

E-22. Educational Psychology. Two hours. First and second semesters. A course designed to meet the needs of students of education who are seeking from psychology those facts and principles which have a bearing on their problems. Special emphasis is given to the psychology of learning. Credit, two semester hours each semester. To be given at Harrisburg first and second semesters 1926-1927.

ENGLISH

Dr. Wallace

Courses in English offered in Extension at Harrisburg, 1926-27.

English. E-24. A Survey of English Literature. Two hours. Throughout the year. Required of all college sophomores.

This course consists in the reading and study of selected works by representatives authors from Chaucer's time to the present. Four semester hours' credit will be given during the winter. The remaining two hours will be offered in the Summer School, 1927.

English 512. The Romantic Movement in English Literature. Two hours. First semester. The period from Gray to Keets, with special study of Burns, Wordsworth, Coleridge, Byron, Shelley, and Keets. This course may be taken as part of the requirements for a major or a minor in English. Credit, 2 semester hours. Further work may be offered in English at Harrisburg during the second semester if there is sufficient demand for it.

For Summer School, Harrisburg, 1927.

Eng. S-22. (Completing the work in Eng. 26 begun in the winter.)

Eng. 62. Shakespeare.

FRENCH

Courses in French S-02 and S-12 will be offered in the summer of 1927 and continued in Extension Courses E-04 and E-14 in 1927-28.

GERMAN

Mrs. Bennett

E-04. Elementary German. Two hours. Throughout the year. A beginners' course in German grammar, including the study of forms and syntax, with the composition of easy sentences and the reading of some simple German prose.

To be offered at Harrisburg. Credit, 4 semester hours.

E-14. First year College German. Two hours. Throughout the year. Grammar, composition, and the reading and interpretation of texts of intermediate difficulty.

To be offered at Harrisburg. Credit, 4 semester hours.

These courses combined with German S-02 and S-12 which are offered in the Summer School will be accepted as meeting the Modern Language requirement for the Baccalaureate degree.

GREEK AND LATIN

Dr. Bennett

Courses in Latin meeting the requirements for the College credit will be arranged provided there is sufficient demand.

Greek and Roman Drama. Two hours. First semester. A study of the origin and development of Tragedy and Comedy, illustrated by the reading of a number of plays (in translation) by Aeschylus, Sophocles, Euripides, Plautus and Terence. The course is designed to be of special interest to all students of the modern drama. Credit, 2 semester hours.

HISTORY

Prof. Shenk

English History. A course in English History from the year 1860 to the present time. The diplomatic relations with the United States, the Irish question, the rise of the Labor Party, social reform, and the problems growing out of the World War will be given special emphasis.

E-44. History of United States to Recent Times. Two hours. Throughout the year at Harrisburg.

First semester: A study of the Political and Social History of the United States from the European Beginning to the close of the War of 1812. Emphasis will be placed on the place of Pennsylvania in our National History. Hockett: Political and Social History of the United States.

Second semester: Political and Social History of the United

States from the close of the War of 1812 to the end of the Civil War. Special stress will be placed on the source material of the History of Pennsylvania during this period. Schlesinger: Political and Social History of the U. S. Credit, 4 semester hours.

(History S-42. Summer Session 1927. Recent History of the United States.)

History E-44 and S-42 are equivalent to History 46 required in the Senior year of candidates for the Baccalaureate degree.

MATHEMATICS

Dr. Wagner

E-22. Plane Trigonometry. Two semester hours. 1st semester. Study of the relations between the trigonometric functions; solution of right and oblique triangles; practical applications of trigonometry to the determination of heights and distances.

E-32. Analytic Geometry. Two semester hours. 2nd semester. A study of the equations of the straight line, circle, parabola, ellipse, and hyperbola.

These courses will be offered at Harrisburg 1926-27 and together with S-12 (College Algebra), will meet the regular Mathematics 16 requirement.

SOCIAL SCIENCE

Prof. Gingrich

E-14. Economic Principles and Problems. An introductory course covering the fundamental principles of the existing economic order; an outline of the development of Economic thought, and an extended consideration of modern economical problems. Credit, 4 semester hours.

This course is a continuation of the course (Economics S-12) offered at the summer school in Harrisburg in 1926. Persons desiring to begin the course will be given an opportunity to take extra instruction during the first half of the year and by so doing complete the entire course with six hours' credit during the winter of 1926-27.

E-14. American Government and Politics. The course is designed to give the student a practical and working knowledge of the fundamental laws of Federal and State Government. Much time is given to the study of leading cases decided by the United States Supreme Court. Credit, four semester hours.

The course will continue the work offered in Annville in 1925 Summer School (Political Science S-12), and will give persons who

have taken both courses a total of 6 hours' credit. Offered in Annville 1926-1927.

S-12. Principles of Sociology. The course is intended to acquaint the student with the various theories of society together with the place of Sociology in the general field of learning. Modern social problems are discussed during the second half of the course. Credit, 2 semester hours.

This course will be started in Harrisburg at the summer session of 1927 and will be followed by Sociology E-14, an extension course offered in Harrisburg during the winter of 1927-28, both courses taken together will cover the work of the first year of Sociology and give 6 hours' credit.

