

INDIANA UNIVERSITY

SOUTH BEND-MISHAWAKA CENTER



FIRST SEMESTER, 1940-41

CLASSES BEGIN SEPTEMBER 12, 1940

BULLETIN OF THE EXTENSION DIVISION, INDIANA UNIVERSITY

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VOL. XXV

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No. 8

AUGUST, 1940

CALENDAR

First Semester

- September 9, 10, 11, Monday, Tuesday,
Wednesday Registration.
- September 9, Monday, 9 a.m. English exemption
examination.
- September 12, Thursday Classes begin.
- September 27, Friday, 6:30 p.m. College aptitude
examination.
- November 21, 22, 23 No classes; Thanksgiving.
- December 21, Saturday noon Christmas recess begins.
- January 6, Monday Classes resumed.
- January 13 to 18 Examinations in two-
hour courses.
- January 20 to 25 Examinations in two-and-
one-half, three-, and
five-hour courses.

Second Semester

- February 3, Monday Classes begin.
- May 19 to 31 Final examinations.

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(Mrs.) BESS SONDEL, Ph.D., Extension Lecturer in English.

WILSON THORNTON, B.S., Extension Lecturer in Mathematics.

EARL C. WEBB, B.S., Extension Lecturer in Engineering Drawing for Purdue University.

JOHN WILMORE, A.M., Extension Lecturer in Mathematics.

South Bend-Mishawaka Extension Center of Indiana University

University Extension is an instrument for carrying to the general public the privileges of a university. The South Bend-Mishawaka Center was established in 1933 for young people who wish to carry on Freshman and Sophomore work, and for mature people who wish to make good use of their leisure time. A few courses of graduate level are offered. Last year 675 different persons from 34 different communities took advantage of this opportunity in South Bend.

***The Office of the South Bend Center** is in Room 207, Central Senior High School, located on St. James Court, between Washington and Colfax Avenues. Office hours through the school year are 8:30 a.m. to 12 m. and 1:30 to 5 p.m. Hours on Saturday are from 8 to 12 m. The office is also open evenings from 6 to 8:30 p.m., Monday through Thursday. Phone 3—1717.

Enrollment. Students may register at the Extension Office at any time after August 20. After the second meeting students are admitted to classes only upon payment of \$1 for late registration. An extra fee of \$1 is charged for deferred payments. Registration is not complete until fees are paid.

Classes Begin Thursday, September 12, each class meeting on the day for which it is scheduled.

Classes Will Meet at Central Senior High School. Engineering Drawing, Section 1. meets at Riley High School. See Schedule of Classes.

* Note change of office from City School Administration Building to Central Senior High School Room 207. Phone: 3—1717.

General Information

Classes are Open to any adult who can pursue the work with profit. University credit, however, is granted only to those who comply with the University entrance conditions. The Division is always ready to certify any work successfully completed.

Credentials. The student carrying University extension work for credit assumes the responsibility for having met the entrance requirements of Indiana University. It is not necessary to present high school credentials at the time of enrollment unless the student is carrying seven hours or more. In that case he should present credentials at the office, whereupon he will be given a ruling on his admission.

Candidates for advanced degrees who enroll for graduate work in extension should immediately apply for admission to the Graduate School or to the School of Education. A statement of graduation and a transcript of college credits must be filed with the application for admission.

The English Exemption Examination will be held on Monday, September 9, at 9 a.m., at the Extension Center. See page 11 for further instructions.

The College Aptitude Examination should be taken by all students entering the University or the Extension Division as Freshmen for the first time, and planning to continue work at Indiana University on the Bloomington campus or at any other university. The examination will be held Friday, September 27, at 6:30 p.m. at the Extension Center.

Entrance Requirements. See University Catalog.

Consultation on programs of work is offered by the Faculty representatives in the office at all reasonable times.

Registrations are received only in the offices of the Center, where students may fill out the proper blanks, pay their fees, and receive cards admitting them to classes. *Class attendance* without formal registration at the desk *does not constitute enrollment*. The office must be notified immediately of any change of class or section.

The Maximum Load that may be taken by a student is fifteen hours per semester, the equivalent of full-time University work. *Persons employed full time are not encouraged to take more than two courses at a time.*

Students working for teachers' licenses who are employed in any full-time position may not take more than five hours' work in any one semester.

Requirements for Graduation. For complete requirements for graduation, see University Catalog.

Payment of Fees. All students should enroll during the first week of the semester; those registering after the second meeting of a class are required to pay an additional fee of \$1. Students registering on

the way to the second meeting will not be fined, but those registering *after* the class will be required to pay the extra fee. Payment in full is due with registration.

Deferred Fees. Extra fee for deferred payments is \$1. If fee payments are deferred, the student agrees to make payments to Indiana University Extension Division in the following manner:

3/10 of entire fee, plus \$1 for deferring payment, at registration (not later than September 28)

3/10 during or before end of fourth week of classes (October 7-12)

2/10 during or before end of seventh week of classes (October 28-November 2)

2/10 during or before end of ninth week of classes (November 11-16)

If fees are not paid at above stated times, the student will be withdrawn from the class rolls. The student is held responsible for the payment of fees due up to the time the Extension Division receives written notice of withdrawal.

Reduced Rates. A full program of fifteen hours such as would be taken on the campus costs \$60 a semester, or \$120 for the year. Fees are based on the amount of work taken, at the following rates:

\$5 per hour for the first five hours of enrollment.

\$4 per hour for the second five hours of enrollment.

\$3 per hour for any over ten hours.

The fee for graduate courses is \$6 a semester hour.

Auditors or non-credit students pay the regular fees unless special rates are announced.

Extra Fee for Late Registration. See above.

An Examination Fee of \$1 is charged students who take examinations at other than the regular times.

Refunds. Limited refunds in proportion to the elapsed fraction of the first ten weeks of the semester, dating from the time of *written applications*, are allowed. No refunds after the tenth week. If students withdraw from classes, they are required to pay all fees due up to the time of *written notification* of withdrawal.

Class Attendance must be regular. Credit may not be given to any student who has not attended three-fourths of the class meetings unless arrangements can be made with the instructor for making up the work of the lost meetings.

Visiting Classes. Students may visit classes the first meeting if uncertain about enrollment. After the first week visitors must secure permission from the Extension office. Popular lecture courses must be paid for in advance.

Classes are Withdrawn in case the registration is deemed insufficient to warrant offering them.

University Credit is given to each student upon the satisfactory completion of a course provided the student has met all prerequisites, including the entrance requirements of the University. The require-

ments are given in the University Catalog. Grade cards are sent to students at the end of the semester.

Grades. The grades stand approximately for per cents as follows: A, 95-100; B, 85-94; C, 75-84; D, 65-74; E, conditioned; F, failed. *Students must notify the office immediately upon withdrawal from a class, otherwise the record will be marked "failed."* See page 18 for "Semester Grades" and "Credit Points."

Instructors are regular members of the Faculty of Indiana University or specially qualified business and professional men and women who have been formally approved as Extension lecturers by the University.

Textbooks are sold at the Extension Division office. Students should purchase them immediately after the first meeting of a class. In order to avoid delay in securing texts after the original supply is exhausted, students should leave individual orders. Such orders are filled by telegraph during the first week.

A Circulating Library, consisting of books owned by the Extension Division and on deposit from the Public Library, is available to students. These books may be borrowed for a period of one week only.

One-half of the Regular Four-Year University Course, or sixty hours, may be completed in the Extension Division. Freshman and Sophomore work or all of the Two-Year Elective Course may be completed at an extension center provided the center offers the subjects which the student wants.

The Senior Year. Candidates for the degree Bachelor of Arts must do the thirty hours of the work of the Senior year in residence at this University. Mature students of Senior standing who have established a satisfactory record through two years' work in residence may, however, upon written approval of the Head or Chairman of the department in which they are doing their major work and with the consent of the Dean of the College of Arts and Sciences, continue their work through the Extension Division or in a foreign university.

Attendance at Other Colleges. No student carrying full-time work at any other college is permitted to enroll in an Extension class without written approval of his Dean.

Purdue University Accepts for credit on engineering curricula certain courses offered in extension centers. Purdue gives a course in Engineering Drawing.

Correspondence Courses, offered by the University, may be carried to supplement class work. Interested persons will be given the announcement of Correspondence Courses.

High School Courses by University Extension. Mature students who have not completed their high school education may do so through the University Extension Division courses given by mail. For further information address Indiana University Extension Division at Bloomington.

Pre-Medical Work

Three years, or ninety-four semester hours, of collegiate work are now required of all students for matriculation in the Indiana University School of Medicine. Approximately two years of this work, including required subjects, may be done in the Extension Center. See the Bulletin of the Medical School for important further information regarding admission.

Quantitative requirements. The transcript must show:

	Semester hours
Zoölogy (9), Embryology (3)	12
Physics	10
Chemistry (General and Organic)	16
English Composition	6
Mathematics 104m	2
Modern Language	(not less than)
Psychology	8
Groups IV and V	12
Electives (23) to make total of	94

Pre-Dental Work

Pre-dental requirements include the following:

Chemistry (4 hours Organic)	12
English Composition	6
Biology or Zoölogy	6
Physics	6
Elective (30 hours) to make minimum of	60

Pre-Business Work

The first two years of the course in the School of Business may be carried in extension.

Pre-Law Work

Students intending to enter the Indiana University School of Law will be admitted with as much as sixty hours of extension credit if the student completes his work for an A.B. or a B.S. degree. A student may not enter the Law School without an academic degree unless he takes a prescribed curriculum in residence. A student expecting to enter Law School with less than four years of college work must do all of his work in residence, unless he has, by virtue of an exceptional record, received permission to count one year in extension classes.

Two-Year Elective Course

For students who expect to attend college only one or two years and who desire a general education providing for a degree of culture and a certain adaptation to present-day life, the University has designed the Two-Year Elective Course. This course allows the student to pursue the studies in which he is especially interested, and frees him from all required subjects leading to degrees. A certificate is issued at the end of the two-year course.

Any student who elects the two-year course may continue his education along either broader or more specialized lines in one or the other of the colleges and may secure the A.B. or B.S. degree by completing the requirements of the four-year course.

Extension Credits Accepted by Purdue University

Many courses offered by the extension centers of Indiana University are equivalent to the required and elective subjects in the curricula of Purdue University. Credits in subjects carried by extension, as they apply to these curricula, will be accepted by Purdue University where the grades received are higher than the lowest passing grade of Indiana University.

Students planning to study engineering but who at present are unable to enroll at Purdue University may receive sufficient credits through a year of extension work to reduce their residence on the campus by approximately one year.

Purdue students can take the following courses in the South Bend Center and later enter Purdue as Sophomores short only one semester each of shop and surveying.

FIRST SEMESTER		SECOND SEMESTER	
Chemistry	5 hours	Chemistry	5 hours
English Composition	2 hours	English Composition	2 hours
Engineering Drawing	2 hours	Engineering Drawing	2 hours
Algebra	2½ hours	Analytic Geometry	5 hours
Trigonometry	2½ hours		

It is recommended that students add two hours' work in public speaking one semester and three hours' work in English literature another semester, thereby clearing sufficient time in the Sophomore year at Purdue to take shop and surveying work.

Engineering Drawing GE-11, first semester and repeated second semester; **Engineering Drawing GE-12**, second semester, 2 credits each. Fee \$10 per semester plus text and supplies.

These courses are the same as offered on the Purdue campus and will be offered by an instructor employed by Purdue University.

Enrollment in the Purdue courses will be made at the offices of Indiana University Extension Division in South Bend.

See Schedule of Classes.

Description of Courses

The following descriptions cover courses which carry credit toward a degree. The credit courses are practically identical with those offered in residence at the University. A student who receives credit for an extension course is not permitted to take the same or similar course in residence and receive credit for both.

The letter **E**, which appears with each course number, indicates merely that the course is offered by the Extension Division. The letters **a** and **b** indicate which semester of the year's work is being announced if the course is one which is given throughout the University year.

Course numbers were changed some time ago by the addition of prefixes "1" and "2," the more elementary courses being in the one hundreds and the more advanced in the two hundreds.

Courses marked with an asterisk (*) are available for graduate credit.

Classes carrying two hours of credit meet sixteen weeks; all others meet seventeen weeks.

"Graduate credit" means credit earned *after graduation* from a four-year university course, and intended for application toward an advanced university degree. This term should not be confused with the simple term "credit," which is used throughout the bulletin to mean credit *toward graduation* with the A.B. or B.S. degree. The fee for courses taken for "graduate credit" is \$6 per credit hour; see page 5 for fee rate for undergraduate courses. Numbers in parentheses indicate the amount of University credit in semester hours.

BUSINESS

E101a. Introduction to Accounting. Tuesday, 7:15-9:30 p.m. Room 104, Central High School. \$15. (3) **Mr. LARIMORE.**

An introduction to accounting with emphasis on the corporation. The balance sheet and profit and loss statements. Working papers. Adjusting and closing entries. Controlling accounts. Special journals and the voucher system. Open to those who have never kept books or studied bookkeeping. Required of all students in Business.

E325a. C.P.A. Quiz Course. Organization meeting, Monday, 7:30-8:30 p.m. Room 120, Central High School. \$30. (3).

The definite time for meetings will be discussed and arranged when group assemblies.

A problem course, using problems from the American Institute of Accountants (used in Indiana for the C.P.A. examination) and other C.P.A. examinations given during the past few years. Type problems and questions will be used, including practical accounting problems, theory of accounts, and auditing, covering all principal sub-

jects on which the applicant for the C.P.A. certificate will be examined. Includes preparation, revision and correction, and analysis of statements, statements of funds, sole proprietorship and single entry partnerships, corporations, mergers and consolidations, consolidated statements, etc.

CHEMISTRY

E101a. General Chemistry (Inorganic). Monday and Wednesday, 6:15-9:45 p.m. Room 206, Central High School. \$25 plus \$2 laboratory fee. (5) Mr. GERKIN, Mr. SANFORD.

Lectures, demonstrations, and laboratory work covering the regular introductory course in chemistry. Deals with the laws and theoretical principles of the subject, with specific study of the more common elements and their compounds.

E203. Qualitative Analysis. Monday and Wednesday, 6:15-9:45 p.m. Room 206, Central High School. \$25 plus \$2 laboratory fee. (5) Mr. GERKIN, Mr. SANFORD.

The analysis of metals and acids. Prerequisites, Chemistry 101a and 101b or their equivalent.

ECONOMICS

E101a. Principles of Economics. Thursday, 7-9:15 p.m. Room 122, Central High School. \$15. (3) Mr. LARIMORE.

A survey course in the fundamentals of economics: origin, development, and proposed solutions of modern economic problems. The institutions, forces, and factors affecting production, consumption, exchange, and distribution of wealth in modern industrial countries. Prerequisite to credit for advanced courses in economics and business.

EDUCATION

Graduate Courses in Education

All graduate students in Education should consult the Bulletin of the School of Education as to general regulations, options for degrees, and possibilities of satisfying administrative license requirements while satisfying the requirements for either the A.M. or M.S. degree.

Students working for teachers' or administrative licenses or for advanced degrees who are employed in any full-time position may not take more than five hours' work in any one semester. Graduate students are advised to file credentials and make application for admission to the Graduate School immediately upon enrolling for extension courses.

***E521. Directed Study.** Saturday, 8-10 a.m. Room 315, Central High School. \$15. (2½) Mr. FOSTER.

***E571. School Budgets and Accounting.** Saturday, 8-10 a.m. Room 316, Central High School. \$15. (2½) Mr. HAMILTON.

- *E572. **School Records and Reports.** Saturday, 10 a.m.-12 m. Room 316, Central High School. \$15. (2½) Mr. HAMILTON.
- *E748. **Research in Secondary Education.** Saturday, 10 a.m.-12 m. Room 315, Central High School. \$15. (2½) Mr. FOSTER.
- Second Semester (tentative)*
- *E535. **Supervision of the Elementary Curriculum.** Mr. HAMILTON.
- *E554. **Administration of the Elementary Schools.** Mr. HAMILTON.

NURSING EDUCATION

- E351aN.Ed. **Ward Management.** Monday, 4-6 p.m. Epworth Hospital. \$10. (2) Sister AMADEO.

ENGINEERING

- GE-11 (Purdue). **Engineering Drawing.** Section 1, Tuesday and Thursday, 3:45-6:15 p.m. Room 204, Riley High School; Section 2, Tuesday and Thursday, 7-9:30 p.m. Room X17, Central High School. \$10. (2) Mr. WEBB.
- Required of students in Engineering at Purdue. Open to beginners.

ENGLISH

The Examination for Exemption from English Composition will be held on Monday, September 9, at 9 a.m., at the Extension Center in Central High School. Students planning to take the examination, which is offered without charge, should notify the office in advance. (Papers must be written in ink.) The examination is optional. Credit students who do not wish to take the test must enroll for Composition E101a. See page 17.

- E101a. **English Composition.** Section 1, Monday, 4-5:45 p.m., Room 222, Central High School; Section 2, Tuesday, 7:15-9 p.m., Room 120, Central High School. \$10. (2) Mr. DEEN.

Planned to give a mastery of fundamentals. Includes the study of grammar, punctuation, spelling, paragraphing, and the writing of a theme a week.

- E101b. **English Composition.** Thursday, 5-6:45 p.m. Room 120, Central High School. \$10. (2) Mr. KENWORTHY.

The second half of the year's work in composition. Rhetorical principles of the sentence; plans and outlines for themes—the logic of construction; expository writing; reading and class discussion of an autobiography and a book of expository selections; the writing of an autobiography and one theme a week except while the autobiography is being prepared.

- Correct English.** Monday, 6:45-7:45 p.m. Room 119, Central High School. \$5. First fourteen weeks of the semester. No credit. Students must pay in full in advance of first meeting.

Miss HARTMAN.

Fee \$1 for all students enrolled in English Composition or Public Speaking classes. A thorough oral drill in the fundamentals of grammar and punctuation, designed especially for business people, for students who did not attend high school, and for students whose high school training was inadequate. No theme writing is required. Exercises will be used. No admissions after the second meeting.

E102a. Freshman English Literature. Section 1, Wednesday, 1-3:15 p.m., Room 219, Central High School, Mr. DEEN; Section 2, Thursday, 7-9:15 p.m., Room 120, Central High School, Mr. KENWORTHY. \$15. (3)

Origin and history of the essay; reading of representative essays of Bacon, Addison, Steele, Lamb, Hazlitt, Arnold, Stevenson, and some modern essayists. Study of comedy, tragedy, and their subdivisions; five or six plays ranging from Shakespeare's day to modern times studied in detail. Prerequisite to all advanced work in English literature; required of English majors.

E160a. Public Speaking. Thursday, 5-6:45 p.m. Room 103, Central High School. \$10. (2) Mrs. SONDEL.

Preparation and delivery of various types of speeches, such as sales talks, campaign addresses, after-dinner speeches, etc. Helps to overcome self-consciousness; develops ability to express one's self effectively before both large and small audiences. A course for beginners.

E160b. Public Speaking. Monday, 7:15-9 p.m. Room 103, Central High School. \$10. (2) Mrs. SONDEL.

Emphasis is placed upon the correction of faulty speech habits and upon the training of the voice, as well as upon the organization of material and the psychological factors involved in getting and holding attention. For credit students who have had course 160a or its equivalent. Open also to non-credit students.

***E251a. Contemporary Drama (Twentieth-Century Drama).** Thursday, 7-8:45 p.m. Room 103, Central High School. \$10 (\$12 for graduate credit). (2) Mrs. SONDEL.

Salient aspects of drama from the latter part of the nineteenth century to the present. In this course dramatists of international consequence will be studied. Playwrights will not be treated as isolated figures but will be discussed in relation to the intricate web of social and literary trends, and with reference to their influence on the present-day theater. Representative plays by Ibsen, Hauptmann, Strindberg, Tolstoi, Chekov, Currel, Galsworthy, Wedekind, Maeterlinck, and others will be considered in their bearing upon such contemporary movements as naturalism, symbolism, and expressionism.

***E252a. American Literature.** Wednesday, 7-9:15 p.m. Room 122, Central High School. \$15 (\$18 for graduate credit). (3) Mr. DEEN.

The historical and philosophical background of the great writers of America will be presented in class lectures, and excerpts from the

writings of leading authors will be read and discussed. The semester's work includes the writers from 1608 to the Civil War.

FRENCH

E101a. Elementary French. Tuesday and Thursday, 7:15-9:15 p.m.
Room 119, Central High School. \$25. (5) Miss HARTMAN.

A course for beginners, including study of grammar, composition, and reading. Corresponds to the first half of the Freshman year's work at the University.

E104a. French Composition and Conversation (Second-Year). Tuesday, 5-6:45 p.m. Room 119, Central High School. \$10. (2)
Miss HARTMAN.

First half of the second year's work. Open to students who have had ten hours of University French, or two years in high school.

E119a. Modern French Prose. Thursday, 5-7:15 p.m. Room 119, Central High School. \$15. (3) Miss HARTMAN.

First half of the second year's work. Open to students who have had ten hours of University French, or two years in high school.

GEOGRAPHY

E109a. Elements of Geography. Monday and Wednesday, 5-7 p.m.
Room 121, Central High School. \$25. (5) Mr. KELLER.

The relation of the activities of man to his physical environment. A discussion of the effects of such factors as location, land forms, bodies of water, soils and minerals, climate. Required for the elementary school license, meets the requirements for high school teacher's license in social science and may be applied on the science requirement for graduation.

***E219. Geography of North America.** Wednesday, 7-9:15 p.m. Room 121, Central High School. \$15 (\$18 for graduate credit). (3)
Mr. KELLER.

This course includes a study of the various geographic regions of North America with emphasis on the physical, economic, and historical geography of each region. Topics include: the North Atlantic coastal region, the subtropic coast and the Florida Peninsula, the Cotton Belt, the Lower Lake Region, the Upper Lake Country, the Great Plains, the Rocky Mountains, the arid Western Plateaus, the Pacific Coast Mountains, the Valley of Central California, Southern California, Alaska, Mexico, and the West Indies.

GOVERNMENT

E101a. American Government: Federal Government. Wednesday, 7-9:15 p.m. Room 123, Central High School. \$15. (3) Mr. SMITH.

The elementary principles of political science. An introductory course open to Freshmen and Sophomores. This course makes a study

of the organization, methods, and functions of the federal government. The legislative, executive, and judicial departments of the government, together with their practical workings. Of general practical interest, and a subject of value to those planning to teach the social sciences. Required of Business students.

HISTORY

E101a. History of Western European Civilization (formerly Mediaeval and Modern European History). Monday, 5-7:15 p.m. Room 102, Central High School. \$15. (3) Mr. CUMMINS.

The first semester traces the development of European institutions and ideas from the fall of the Roman Empire to the Protestant Reformation. Discusses not only the political evolution of the modern European states-system, but the unfolding social, economic, and religious institutions as well. Feudalism, the Medieval Church, and the struggle between the Papacy and the Empire will be emphasized. Provides the basis for an understanding of the modern civilization of both Europe and America. Required for a high school license in history and the social sciences.

E105a. American History. Tuesday, 5-7:15 p.m. Room 102, Central High School. \$15. (3) Mr. CUMMINS.

Brief survey of American colonial history; a more intensive study of the Revolution; formation of the American union and federal government; divorcement of the United States from the European balance of power; westward movement and expansion; early struggles over slavery. Required for the elementary and high school licenses.

***E232a. Recent American History.** Monday, 7:15-9 p.m. Room 102, Central High School. \$10 (\$12 for graduate credit). (2) Mr. CUMMINS.

A course adapted to Juniors, Seniors, and graduate students, covering the main trends of political, social, and economic history of the United States from the Civil War to about 1900. Reconstruction, the Far West, social-cultural background 1870-1900, foreign affairs, economic revolution, etc. Prerequisites: a general introductory course in United States history or Junior-Senior standing.

HYGIENE

E101. Elementary Hygiene. Monday, 5-6 p.m. Room 122, Central High School. \$5. (1) Mr. HOLDEMAN.

A study of various fields of hygiene. Present health trends; medical practices; infectious diseases; personal hygiene; the importance of a knowledge of hygienic rules. Required of all students for one semester in either the Freshman or Sophomore year.

MATHEMATICS

E102. College Algebra. Tuesday, 7:15-9:15 p.m. Room 121, Central High School. \$12.50. (2½) Mr. BROMAN.

The regular Freshman course in algebra. Open to students who have had high school algebra and geometry.

E103. Trigonometry. Thursday, 7-9 p.m. Room 123, Central High School. \$12.50. (2½) Mr. THORNTON.

The regular Freshman course in trigonometry. Open to students who have had high school algebra and geometry.

E116. Mathematical Theory of Investment. Wednesday, 7-9:15 p.m. Room 120, Central High School. \$15. (3) Mr. WILMORE.

Definition of interest, the rate of interest, discount, annuities, perpetuities and capitalization, amortization, depreciation, bonds, the investment rate, premium and discount, mathematical expectation, mortality tables, elementary principles of life insurance. Applies on the high school license in mathematics. Prerequisite, College Algebra 102.

E207a. Elementary Calculus. Thursday, 7-9:15 p.m. Room 121, Central High School. \$15. (3) Mr. BROMAN.

A course in differential calculus open to students who have had university algebra, trigonometry, and analytic geometry.

PARENT EDUCATION: CHILD DEVELOPMENT

(LaPorte Class)

Fifteen weekly meetings, beginning Tuesday, October 1, 1:30-3 p.m. LaPorte High School. A non-credit course. Fee \$1.

Mrs. EDNA HATFIELD EDMONDSON.

This course is designed to assist parents and others to an understanding of principles of development of normal children. It includes a study of physical, mental, and social development; the development of the child through modification of instinctive and emotional responses; the development of personality in the group; the development of certain life interests—vocational interests, the mating instinct, moral and religious interests.

PHILOSOPHY

E100a. The Field of Philosophy. Tuesday, 7:15-9:30 p.m. Room 101, Central High School. \$15. (3) Mr. RUBY.

A general introduction to the entire field of philosophy. The course will center around the important problems with which philosophers have been concerned—problems arising in the fields of science, religion, art, and morality.

The primary aim of this course is to help the student to work out an adequate philosophy for himself, so that he may be better able to deal with the problems which confront modern men and women. Emphasis will be laid on topics of contemporary interest, such as: the nature of the world and of men as revealed by the physical and social sciences, the evolutionary point of view, the new rationalism, skepticism and the search for truth, the existence of God, the meaning

of democracy, the nature of the good life. For beginning students in philosophy.

PSYCHOLOGY

E101. Elementary Psychology. Section 1, Monday, 1-3:15 p.m. Room 219, Central High School; Section 2, Tuesday, 7:15-9:30 p.m., Room 123, Central High School. \$15. (3) Mrs. FRITH.

Survey of the fundamentals of human nature. Elemental brain structure; original instinctive endowments; steps in mental growth. Special attention to the practical problems of everyday life; economy in memorizing; concentration of attention; effective reasoning; regulation of the emotions. Completed in one semester.

***E259. Psychology of Adolescence.** Tuesday, 4-5:45 p.m. Room 123, Central High School. \$10 (\$12 for graduate credit). (2)

Mrs. FRITH.

A study of the behavior of adolescent boys and girls and why certain kinds of behavior are frequently considered characteristic of this stage of life. The physical, mental, moral, religious, and social life of adolescence is studied in an effort to determine methods by which complete development may be achieved. Prerequisite for credit, ten hours of psychology or its equivalent, and at least Junior standing.

***E261. Mental Hygiene.** Monday, 5-7:15 p.m. Room 123, Central High School. \$15 (\$18 for graduate credit). (3) Mrs. FRITH.

Mental disturbances as they occur in mental breakdown of the normal subject; minor and major mental disorders such as the psychoneuroses and insanities, feeble-mindedness, repression, complexes, regression; mental hygiene of human efficiency. Five hours of psychology is a prerequisite, but workers in the fields of medicine and social service who have had a standard elementary course may be admitted upon approval of the instructor.

SOCIOLOGY

E101a. Social Problems. Monday, 7:30-9:45 p.m. Room 122, Central High School. \$15. (3) Mrs. EDMONDSON.

A course for beginning students. A study of certain selected social problems of contemporary society. Poverty, unemployment, the social aspects of physical and mental diseases, old age, industrial hazards, family disorganization, crime, and juvenile delinquency. A program of treatment designed to meet these problems.

***E235. The Family.** Tuesday, 7:15-9:30 p.m. Room 122, Central High School. \$15 (\$18 for graduate credit). (3) Mrs. EDMONDSON.

In this course a study will be made of the structure and functions of the family. The origin and development of the family will be studied in order to understand the forces operating in the modern American family. Attention will be given to its biological, economic, and psycho-social aspects. The last part of the course will deal with family disorganization and family reorganization. Prerequisite, Principles of Sociology 101b or the equivalent.

Requirements for the Degree Bachelor of Arts

Prescribed Subjects. Every student must secure 124 semester hours of credit, of which 120 hours must be in academic subjects with grades to yield at least 120 credit points. The following subjects are prescribed:

I. **ENGLISH COMPOSITION.** Every student must demonstrate his ability to use correct, clear, and effective English. Freshmen and Sophomores who are able to show this ability through an examination at the beginning of the college year will not be required to take work in English Composition. In order to afford opportunity for adequate training in Composition, three semesters of course work are provided, two in the Freshman year and one in the Sophomore year. Students who receive grades of A, B, or C at the end of the third semester of the course will not be required to continue in English Composition. Otherwise they shall remain in Composition classes without further credit until their use of English satisfies the Department. For further requirements see the Bulletin of the College of Arts and Sciences or the Catalog of the University.

II. **FOREIGN LANGUAGES.** Every student must demonstrate his ability to read moderately difficult prose in Greek, Latin, French, German, Spanish, or Italian. This ability must be demonstrated through a test to be given in the University by a committee from the language department concerned. The student who has not offered for matriculation the language chosen should ordinarily not present himself for the examination before the completion of the work of the second year in this language. For further regulations see the Bulletin of the College of Arts and Sciences or the Catalog of the University.

III. **SCIENCES.** Every student must complete fifteen hours in two departments, including one department from Group A, and one from Group B, with not fewer than five hours in either department*:

Group A: Astronomy 101, 102, 104; Chemistry, 101*a*, 101*b*; Mathematics 101, 102, 103, 104, 105, 106, 116; Physics 101.

Group B: Anatomy 114; Botany 101; Geology and Geography 101, 109; Physiology 101, 103; Psychology 110, 101 with 104; Zoölogy 103, 104, 106, 232.

Every student must take eighteen hours from Groups IV and V, with a minimum of six hours in each group and a maximum of six hours in any one subject.

IV. **SOCIAL SCIENCE.** Every student must complete at least six hours from one of the following courses: History 101, 104, 105, 203; Government 101, 202; Economics 101; Sociology 101.

V. **LITERATURE, PHILOSOPHY, AND THE ARTS.** Every student must complete at least six hours chosen from the following list: English

* Students who are candidates for a teacher's license must take eighteen hours of science, of which three hours should be in psychology, the remaining fifteen hours to be distributed as prescribed above.

102, 103, 121; Languages—any third- or fourth-year course of a literary character; Fine Arts 108, 202, 203, 205; Music 17; Philosophy 100a, 100b; 120 or 202, 203; 206, 207.

VI. **HYGIENE.** Every student will be required to take one hour of Hygiene in his Freshman or Sophomore year.

VII. **MILITARY TRAINING AND PHYSICAL EDUCATION.** See Catalog of the University.

Concentration Group Requirements (Majors). See Bulletin of the College of Arts and Sciences or the Catalog of the University. Note that no grade of less than C— can be used to fulfill the concentration requirements.

Semester Grades. The quality of a student's work will be indicated by the following grades: A, B, C, D, E (conditioned), and F (failed). These letters stand approximately for per cents as follows: A, 95 to 100; B, 85 to 94; C, 75 to 84; D, 65 to 74. The plus and minus signs may be added to these letters and will be utilized in the computation of a student's final standing in the University.

The term "deferred" will be used in those courses in which a semester grade for the first semester of a year course is withheld until the completion of the second semester of the course. The term "incomplete" will be limited to satisfactory work which is not complete. Neither "deferred" nor "incomplete" will be used to signify work of inferior quality.

Conditions will be imposed only in the case of poor work. They will be changed to failures when not removed within twelve months. When conditions are removed, the work will receive a grade of D.

Students who receive the mark of F (failed) must repeat the work in the course before receiving credit for it.

No grade once filed in the Registrar's Office may be changed except with the consent of the Dean of the College of Arts and Sciences upon the request of the instructor. The Dean shall report all such changes to the Faculty.

Credit Points. A credit hour represents the work required in one recitation or lecture, or in two hours of laboratory work per week throughout one semester. Each semester hour of credit is valued in credit points as follows: grade A, three points; grade B, two points; grade C, one point; grade D, no points; grade F or WF, minus one point.

Residence Requirements. All candidates for the degree Bachelor of Arts must do the thirty hours of work of the Senior year in residence at this University. Mature students of Senior standing who have established a satisfactory record through two years' work in residence may, however, upon written approval of the head or chairman of the department in which they are taking a major and the consent of the Dean of the College of Arts and Sciences, continue their work through the Extension Division or in a foreign university.

Advanced Courses. Every student, before graduation, must take a minimum of thirty-five hours of work in the courses which are open only to Juniors and Seniors or for which there are departmental prerequisites.

The B.S. Degree in Education. The School of Education will admit without condition all students who have graduated from a commissioned high school in Indiana and who have completed for graduation all the requirements set forth by the State Board of Education. Students desiring the B.S. degree or wishing to take the A.B. degree and at the same time meet the license requirements of the state, should consult the official in charge in regard to the planning of a program of study. For further information see the Bulletin of the School of Education.

The B.S. Degree in Business. Candidates for the B.S. degree in Business should consult the Bulletin of the School of Business.

Indiana University Extension Division
South Bend-Mishawaka Center

Class Schedule by Days

First Semester, 1940-41

Classes Begin Thursday, September 12, 1940

MONDAY

		Room	
1:00-3:15	Elementary Psychology 101, Sec. 1.....	219	Central H.S.
4:00-6:00	Ward Management 351a N.Ed.	Epworth Hospital	
4:00-5:45	English Composition 101a, Sec. 1.....	222	Central H.S.
5:00-6:00	Elementary Hygiene 101.....	122	Central H.S.
5:00-7:15	History of Western European Civilization, 101a.....	102	Central H.S.
5:00-7:00	Elements of Geography 109a.....	121	Central H.S.
5:00-7:15	Mental Hygiene 261.....	123	Central H.S.
6:15-9:45	General Chemistry 101a.....	206	Central H.S.
6:15-9:45	Qualitative Analysis 203.....	206	Central H.S.
6:45-7:45	Correct English (non-credit).....	119	Central H.S.
7:15-9:00	Public Speaking 160b.....	103	Central H.S.
7:15-9:00	Recent American History 232a.....	102	Central H.S.
7:30-8:30	C.P.A. Quiz Course 325a.....	120	Central H.S.
7:30-9:45	Social Problems 101a.....	122	Central H.S.

TUESDAY

1:30-3:00	Parent Education: Child Development (begins October 1)....	LaPorte	H.S.
3:45-6:15	Engineering Drawing GE-11, Sec. 1.....	204	Riley H.S.
4:00-5:45	Psychology of Adolescence 259.....	123	Central H.S.
5:00-6:45	French Composition and Conversation 104a.....	119	Central H.S.
5:00-7:15	American History 105a.....	102	Central H.S.
7:00-9:30	Engineering Drawing GE-11, Sec. 2.....	X17	Central H.S.
7:15-9:30	Introduction to Accounting 101a.....	104	Central H.S.
7:15-9:00	English Composition 101a, Sec. 2.....	120	Central H.S.
7:15-9:15	Elementary French 101a.....	119	Central H.S.
7:15-9:15	College Algebra 102.....	121	Central H.S.
7:15-9:30	Field of Philosophy 100a.....	101	Central H.S.
7:15-9:30	Elementary Psychology 101, Sec. 2.....	123	Central H.S.
7:15-9:30	The Family 235.....	122	Central H.S.

WEDNESDAY

1:00-3:15	Freshman English Literature 102a, Sec. 1.....	219	Central H.S.
5:00-7:00	Elements of Geography 109a.....	121	Central H.S.
6:15-9:45	General Chemistry 101a.....	206	Central H.S.
6:15-9:45	Qualitative Analysis 203.....	206	Central H.S.
7:00-9:15	Mathematical Theory of Investment 116.....	120	Central H.S.
7:00-9:15	American Literature 252a.....	122	Central H.S.
7:00-9:15	Geography of North America 219.....	121	Central H.S.
7:00-9:15	American Government 101a.....	123	Central H.S.

THURSDAY

3:45-6:15	Engineering Drawing GE-11, Sec. 1.....	204	Riley H.S.
5:00-6:45	English Composition 101b.....	120	Central H.S.
5:00-6:45	Public Speaking 160a.....	103	Central H.S.
5:00-7:15	Modern French Prose 119a.....	119	Central H.S.
7:00-9:30	Engineering Drawing GE-11, Sec. 2.....	X17	Central H.S.
7:00-9:15	Principles of Economics 101a.....	122	Central H.S.
7:00-9:15	Freshman English Literature 102a, Sec. 2.....	120	Central H.S.
7:00-8:45	Contemporary Drama 251a.....	103	Central H.S.
7:00-9:00	Trigonometry 103.....	123	Central H.S.
7:00-9:15	Elementary Calculus 207a.....	121	Central H.S.
7:15-9:15	Elementary French 101a.....	119	Central H.S.

SATURDAY

8:00-10:00	Directed Study 521.....	315	Central H.S.
8:00-10:00	School Budgets and Accounting 571.....	316	Central H.S.
10:00-12:00	School Records and Reports 572.....	316	Central H.S.
10:00-12:00	Research in Secondary Education 748.....	315	Central H.S.

**Extension Center Office,
 South Bend Central High School
 Room 207 Phone, 3-1717**

Indiana University Extension Division

South Bend-Mishawaka Center

Schedule of Classes beginning Thursday, September 12, 1940

SUBJECT	CREDIT	DAY	HOOR	FEE	ROOM	PLACE
Introduction to Accounting 101a.....	3	T	7:15 p.m.	\$15	104	Central H.S.
C.P.A. Quiz Course 325a.....	3	M	7:30 p.m.	\$30	120	Central H.S.
General Chemistry 101a.....	5	MW	6:15 p.m.	\$27	206	Central H.S.
Qualitative Analysis 203.....	5	MW	6:15 p.m.	\$27	206	Central H.S.
Principles of Economics 101a.....	3	Th	7:00 p.m.	\$15	122	Central H.S.
Directed Study 521.....	2½	S	8:00 a.m.	\$15	315	Central H.S.
School Budgets and Accounting 571.....	2½	S	8:00 a.m.	\$15	316	Central H.S.
School Records and Reports 572.....	2½	S	10:00 a.m.	\$15	316	Central H.S.
Research in Secondary Education 748.....	2½	S	10:00 a.m.	\$15	315	Central H.S.
Ward Management 351aN.Ed.....	2	M	4:00 p.m.	\$10		Epworth Hospital.
Engineering Drawing GE-11 (Purdue), Sec. 1.....	2	TTh	3:45 p.m.	\$10	204	Riley H.S.
Engineering Drawing GE-11 (Purdue), Sec. 2.....	2	TTh	7:00 p.m.	\$10	X17	Central H.S.
English Composition 101a, Sec. 1.....	2	M	4:00 p.m.	\$10	222	Central H.S.
English Composition 101a, Sec. 2.....	2	T	7:15 p.m.	\$10	120	Central H.S.
English Composition 101b.....	2	Th	5:00 p.m.	\$10	120	Central H.S.
Correct English (non-credit).....	0	M	6:45 p.m.	\$ 5	119	Central H.S.
Freshman English Literature 102a, Sec. 1.....	3	W	1:00 p.m.	\$15	219	Central H.S.
Freshman English Literature 102a, Sec. 2.....	3	Th	7:00 p.m.	\$15	120	Central H.S.
Public Speaking 160a.....	2	Th	5:00 p.m.	\$10	103	Central H.S.
Public Speaking 160b.....	2	M	7:15 p.m.	\$10	103	Central H.S.
Contemporary Drama 251a.....	2	Th	7:00 p.m.	\$10 or \$12*	103	Central H.S.
American Literature 252a.....	3	W	7:00 p.m.	\$15 or \$18*	122	Central H.S.
Elementary French 101a.....	5	TTh	7:15 p.m.	\$25	119	Central H.S.
French Composition and Conversation 104a.....	2	T	5:00 p.m.	\$10	119	Central H.S.
Modern French Prose 119a.....	3	Th	5:00 p.m.	\$15	119	Central H.S.
Elements of Geography 109a.....	5	MW	5:00 p.m.	\$25	121	Central H.S.
Geography of North America 219.....	3	W	7:00 p.m.	\$15 or \$18*	121	Central H.S.
American Government 101a.....	3	W	7:00 p.m.	\$15	123	Central H.S.
History of Western European Civilization 101a.....	3	M	5:00 p.m.	\$15	102	Central H.S.
American History 105a.....	3	T	5:00 p.m.	\$15	102	Central H.S.
Recent American History 232a.....	2	M	7:15 p.m.	\$10 or \$12*	102	Central H.S.
Elementary Hygiene 101.....	1	M	5:00 p.m.	\$ 5	122	Central H.S.
College Algebra 102.....	2½	T	7:15 p.m.	\$12.50	121	Central H.S.
Trigonometry 103.....	2½	Th	7:00 p.m.	\$12.50	123	Central H.S.
Mathematical Theory of Investment 116.....	3	W	7:00 p.m.	\$15	120	Central H.S.
Elementary Calculus 207a.....	3	Th	7:00 p.m.	\$15	121	Central H.S.
Parent Education: Child Development (begins October 1)	0	T	1:30 p.m.	\$ 1		LaPorte H.S.
Field of Philosophy 100a.....	3	T	7:15 p.m.	\$15	101	Central H.S.
Elementary Psychology 101, Sec. 1.....	3	M	1:00 p.m.	\$15	219	Central H.S.
Elementary Psychology 101, Sec. 2.....	3	T	7:15 p.m.	\$15	123	Central H.S.
Psychology of Adolescence 259.....	2	T	4:00 p.m.	\$10 or \$12*	123	Central H.S.
Mental Hygiene 261.....	3	M	5:00 p.m.	\$15 or \$18*	123	Central H.S.
Social Problems 101a.....	3	M	7:30 p.m.	\$15	122	Central H.S.
The Family 235.....	3	T	7:15 p.m.	\$15 or \$18*	122	Central H.S.

*Six dollars per semester hour for graduate credit.