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Teachers College Bulletin

Volume 65

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Number 2

STATE TEACHERS COLLEGE
INDIANA, PENNSYLVANIA

Summer Sessions

Pre-Session June 8 to June 26

Main Session June 29 to August 7

Post-Session August 10 to August 28

1959



This College is Accredited by the
Middle States Association of Colleges
and Secondary Schools
and
The National Council for Accreditation of
Teacher Education

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COLLEGE CALENDAR

1959

Pre-Session

Classes Begin Monday, June 8
 Session Ends Friday, June 26

Main Session

Classes Begin Monday, June 29
 Session Ends Friday, August 7

Post-Session

Classes Begin Monday, August 10
 Session Ends Friday, August 28

First Semester 1959 - 1960

Registration September 9-12
 (details will be mailed Sept. 1)
 Classes Begin September 14

ADMINISTRATIVE OFFICERS

Summer Session 1959

Willis E. Pratt President
 Ralph W. Cordier Director of Summer Session
 and Dean of Instruction
 John E. Davis Director of Student Teaching,
 Laboratory School, and Placement
 Arthur F. Nicholson Director of Public Relations
 S. Trevor Hadley Director of Student Personnel
 and Summer Activity Program
 Leroy H. Schnell Dean of Men
 Nancy J. Newkerk Dean of Women

SUMMER SESSIONS 1959

There will be three sessions the summer of 1959, two of three weeks each and one of six weeks. The pre-session will begin on Monday, June 8, and extend through Friday, June 26. The main summer session starts June 29 and extends through August 7. The post-season of three weeks begins August 10 and continues through August 28.

Students may earn three credits in the pre and post-sessions and six in the main session. Any one or all three sessions may be attended making it possible to earn from three to twelve credits.

Graduate Program

Information concerning the graduate program leading to the M.Ed. Degree may be secured by writing the Director of Graduate Studies.

TEACHERS IN SERVICE

In view of the critical need for qualified teachers and the promise of better salaries for those who hold degrees or who are properly certified it is in your interest and in the interest of the school you serve to further your education. The summer session program at Indiana is planned to enable you to continue work toward a degree, to make your provisional certificate permanent, to acquire the necessary credits to add another field to your certification as well as to enable graduates of arts colleges to secure credits toward certification.

Individuals who plan to complete their degree or their requirements for certification at Indiana but who have taken work at another college or colleges should have an official transcript of this work sent to the Dean of Instruction. An evaluation of these and other credits may be made to determine what is required for graduation or certification. Address any other inquiries you may wish to make to the Dean of Instruction.

SUMMER GRADUATION

In the summer of 1957 we instituted the plan of holding a summer graduation exercise for the benefit of those students who complete their work during the summer sessions. The summer commencement for 1959 will be held on Sunday afternoon, August 23. The responsibility for graduation rests upon students. All students who plan to graduate in the summer of 1959 should write or call at

the office of the Dean of Instruction to secure application forms for graduation. These forms properly filled in must be returned to the office of the Dean of Instruction not later than the first week of the main summer session which begins June 29, 1959.

RELAXATION AND RECREATION AT INDIANA

Accent on the finest in recreational activities combined with a pleasant environment and favorable climatic factors make the college at Indiana an ideal spot for summer study and relaxation.

The very nature of the summer session provides many sources of entertainment. A notable example of this is the Summer Theater Guild in which students participating in the regular summer drama workshop, together with people from the community and imported actors and directors, will present at least six full length plays during the main session. In the past these productions have been acclaimed equal to or surpassing professional and summer stock performances.

Present plans for the summer of 1959 call for the continuation of the Summer Theater Guild program in Fisher Auditorium. This college-community summer theater will present at least six full length plays each for four nights a week. Students of the Main Session will receive tickets for admission to all six of these plays on their activity card. Last summer students thoroughly enjoyed the presentation of "The Miner's Daughter," "Two Mrs. Carrolls," "Picnic," "Pursuit of Happiness," "The Fourposter," and "Junior Miss." Plays for this summer will be of equally high quality.

An exceptional summer lecture series has been developed as a convocation program. Attendance is voluntary, but these events have proved to be one of the highlights of the summer program. Last summer's series included:

1. James T. Farrell—American Novelist
"The Writer and His Audience"
2. Dr. S. E. Gerard Priestley—English Historian and Writer
"The Struggle for Power in the Near East"
3. Philip Cummings—News Analyst, Economic Consultant
"Hopping Behind the Headlines"
4. Ivan (Cy) Peterman—Foreign Newspaper Correspondent
"World Affairs Briefing"

5. Dr. G. Edward Pendray—International Authority on Rockets and Astronautics
“The Conquest of Space”
6. Willem L. Oltmans—Foreign Correspondent
“The Race for Asian-African Friendship”
7. Beverly Putnam—Full Color Motion Pictures of Kenya and Tanganyika
“Beverly Putnam’s All-Girl Safari”
8. Dr. Herbert Howarth—British Writer and Poet
“Recent Trends Among British Writers”

No attempt is made to have all summer session students participate in all activities, but the recreation program is ample and varied enough so that each individual may find an interesting outlet for his particular tastes and desires. The recreation program has been developed by a student-faculty committee. Tentative plans for the 1959 sessions include many of the old favorite activities of previous summer sessions and some new ones suggested by former students.

The entire Indiana area has many places that are of great natural or historic interest. Buses will be chartered for visits and field trips to many of these places. Music fans may get a group together to attend the Civic Light Opera at Pittsburgh. They may be joined by a group more interested in professional baseball at Forbes Field. Several trips will attempt to take advantage of Western Pennsylvania’s rich industrial enterprises. Field trips to steel mills, research laboratories, and atomic energy installations were all part of last summer’s activity program. In addition departmental seminars will be scheduled with invited discussion leaders.

Morning pickups in the Dining Hall where students meet for a snack and conversation several times each week have been so popular during the last few summers that they will be continued and improved. Campus picnics and steak fries have also been popular and will be continued. The Auditorium patio will provide the setting for a number of square dances. Evening informal dances will be held in the Student Union now located in Whitmyre Hall.

Much of the summer recreation program centers at the College Lodge near Indiana where many picnics, outings, steak fries, informal parties and hikes are held in a woodland environment. On the campus proper there are many facilities for swimming and games such as bowling on the green, archery, croquet, badminton, and soft-

ball, while indoors the Student Union provides an attractive setting for formal and informal dances and the reception lounge in John Sutton Hall provides a comfortable area for cards, singing, or visiting. Other lounges in John Sutton Hall and Whitmyre Hall are provided as places for meeting friends, visiting, or just reading or loafing. Several television sets provided by the Alumni Association are available for student use in well located places.

GENERAL INFORMATION

Registration. Students are expected to register on the first day of each session. All questions pertaining to fees, programs of classes, and room assignments should be settled so that classes may run on full time the day following registration. In the Pre-Session and Post-Session classes will meet for a short time the first day. Those wishing credits evaluated should see the Dean of Instruction.

Registration for Pre-Session—8:15 - 12:00 noon, Monday,
June 9

Registration for Main Session—Monday, June 29

Registration for Post-Session—8:15 - 12:00 noon, Monday,
August 10

The dormitories will be open for students Sunday, June 7 at 3:00 p.m. All baggage and trunks will be received in the basement of John Sutton Hall from where porters will deliver them directly to student rooms. Baggage should be plainly marked with names and room numbers if assignments have been made.

At the time of registration students should:

1. See the Dean of Women or Dean of Men and get room assignments.
2. Get programs made out in Leonard Hall or in the office of the director of special departments.
3. See the Registrar in Keith School Gymnasium and pay fees.
4. Secure books at the Book Store as soon as texts are specifically designated for courses taken.

Class Hours. In general all class work will be completed before noon. During the pre- and post-sessions classes begin at 8:00 a.m., run to 9:30 and then resume at 10:30 and run to 12 o'clock. In the main session classes begin at 7:45 a.m. and close at 12:20 p.m., each period being 90 minutes including time for changing classes. Some laboratory periods, field trips, practice periods for musical organ-

izations, and similar activities are conducted in the afternoon. Each student should make certain that he can adjust his time to these periods as arranged before making his program. The time followed will be that of the Indiana Community.

Student Living Conditions. Women who will not commute from home daily and who plan to enroll in any of the summer sessions should write to the Dean of Women at least ten days in advance of the session they plan to attend so that arrangements for rooming on the campus can be made.

The men's dormitory is not open during the summer. However, a number of non-commuting men can be roomed in college owned houses. It is important for men who wish to room at the college during any of the summer sessions to write to the Dean of Men at least ten days in advance of the session they plan to attend so that plans can be made to prepare sufficient rooming accommodations. Men who do not wish to room in one of the college houses should contact the Secretary in Whitmyre Hall regarding approved rooms in town which are available for rent.

The main college dining hall is open throughout all the summer sessions. The appropriate Dean should be informed concerning an individual's desire to have meals at the college.

Slight illnesses are cared for in the college infirmary without charge for a period of three days. After three days, a charge includes the regular nurse and medical services, but does not include special nurse or special medical service.

All students who live in the college must provide themselves with blankets, as the college furnishes only the linen and counterpanes. Each student must also provide table napkins, soap, towels and needful toilet articles.

Clothing. To enjoy sports activities such as hiking, swimming, and tennis, women students will find slacks, comfortable shoes, swim suits, and shorts very useful.

Summer activities usually include a party for which a summer evening dress is suitable. For all other occasions, cool, comfortable dresses and spectator sports clothes will meet all needs.

Placement Service. The services of the Placement Bureau are available to all students of the college who receive certification. The directors of the various departments take active interest in the placement of their graduates. Coordination of effort is secured through a central committee. The Bureau supplies credentials to employers

who are seeking applicants for positions and serves as a center where graduates may keep their records up-to-date. Alumni are using the Bureau increasingly. Teaching positions are not guaranteed by the college, but Indiana's record of placement is among the very best in Pennsylvania.

COURSES FOR THE SUMMER SESSION

The six curricula are published only in part in this bulletin. Only those courses to be offered in the summer sessions are described in this catalog. Any course will be taught in the summer if there is sufficient demand. It is very important, therefore, that students make known their desires in advance.

Courses listed on the center pages of this bulletin seem certain to be offered, as will others for which there are enough advance requests. Except in special subjects or majors in the secondary field, ten students are necessary to justify a class. The college will be under no obligation to give any course in which fewer than ten are enrolled on opening day.

New Curricular Requirements

Among the proposed changes in the curricula of the public schools are the requirements that a foreign language be taught in the elementary grades and that remedial and developmental reading be taught in the secondary schools. Two courses are being featured in our summer school program to enable public school teachers to prepare themselves for teaching these courses. They are Sp 161 Spanish I for the Elementary Teacher and Ed 452 Reading Problems in the Junior and Senior High School. It should be added that both of these courses may be used for permanent certification in the elementary and secondary fields respectively.

WORKSHOPS AND SEMINARS

A number of workshops and seminars are being featured in the course offerings for the 1958 summer sessions. These unusual learning opportunities are especially adapted to meet the need of people interested in elementary education, dramatics, educational television, creative writing, conservation, and Pennsylvania History.

Television Workshop. For the fifth successive summer a workshop in television education will be offered in the pre-session, carrying three hours of credit. Its aim is to train teachers in the use and appreciation of television as a medium of instruction in the classroom.

In addition to lecture, demonstration and discussion, students will have experience in writing, producing and acting in several in-

class productions. Opportunity will be provided for observations in commercial stations as well as at WQED, Pittsburgh's education outlet; workshops experiences may again be available for a limited number of interested students at WQED.

Elementary Science-Mathematics Workshop **1 Cr. or non-credit**

The workshop will be offered from Monday, June 15 to Friday, June 19. It will be of interest to all who are concerned with becoming acquainted with recent materials, methods, and trends in the elementary science and mathematics areas. Visiting consultants as well as members of the local college staff will be in charge of the instruction sessions which will be held in the mornings. Films, film strips, and a great variety of curriculum materials will be available for the students' use and examination during the afternoons.

The workshop may be attended on a one credit or non-credit basis for a fee of \$11. Additional sessions are attended and written work is required for credit students. Those desiring to remain on campus may secure room and board for \$14. For further information address the Dean of Instruction, Director of Summer Sessions.

Drama Workshop. For the past seven summers the college has conducted a very successful drama workshop, which has attracted widespread attention. Sets, make-up, properties, publicity and ticket distribution are among the important and exacting duties in the day's work for those in the workshop. Six full-length plays of good quality, given during the main session, offer opportunity for acting, prompting and assisting in many phases of production.

The drama workshop cooperates with the Summer Theater Guild, a college-community summer theater project which uses college facilities in Fisher Auditorium for the presentation of the six plays. The Sunday edition of the *New York Times* regularly carries notices of its offerings. Guild personnel will again include community people and some imported actors, directors, and technical specialists. Working with these people provides excellent experience in dramatics for college students and yields from three to nine hours of credit.

Creative Dramatics and Story Telling Workshop **3 cr.**

A workshop in creative dramatics and story telling will be offered in the post-session, carrying three credits. The course is designed for both elementary and secondary teachers. Each student will concentrate on specific subject areas in his own curriculum.

Conservation of Natural Resources Workshop **3 cr.**

Conservation of Natural Resources is specifically designed to meet the needs of teachers and leaders in conservation activities. The program has been organized to make the material and subject matter suitable to school teachers for effective use in the classroom. Teaching aids, outlines, bulletins, and bibliographies will be available for both secondary and elementary teachers. Since the class is usually composed of teachers from widely varied fields, generous use is made of the background and experience of the class members. The informal atmosphere of the field trips and lecture periods encourages student participation.

Instrumental Methods Workshop **3 cr.**

There are two principal areas involved in Methods III; materials, and techniques of presentation. Current, effective teaching materials for use at all levels in instrumental music will be considered as well as techniques of presenting these materials from the intermediate grades through high school. Demonstrations, laboratory, and an experimental atmosphere will help the student develop competence in these areas.

Music Theory Workshop **3 cr.**

This course provides what is regularly given in Theory III or IV: This course includes the study of chromatic harmonies and modulation to remote keys, as well as writing for Men's and Women's Choruses; the study of the song-forms and simple rondo forms; harmonic dictation; continued harmonization at the keyboard, including transportation; further work with chromatic harmonies; study of the higher rondo, sonatina and sonato-allegro forms; original writing.

Vocal Music Workshop **1 to 3 cr.**

Training will be provided according to individual need in class and private voice with credits granted according to the amount of work completed.

SPECIAL INFORMATION ABOUT THE DEPARTMENTS

The titles of the courses to be given appear in the lists on pages 20 and 21. A brief discussion of some of the more unusual features in each department is given below. Re-arrangement of courses or other necessary readjustments will be made in the effort to meet the needs of individuals. Descriptions of regular courses may be found in the general catalog. Only new or unusual courses are specifically mentioned here.

THE ART DEPARTMENT

The Summer Studios in Art provide courses for teachers in service in the Elementary and Secondary Curricula as well as for the art teacher and supervisor. These courses may be used to secure permanent or additional certification or as part of the work toward a degree.

An important feature of the summer work is that teachers already certified in other fields may extend their certificates to include art. Many fine positions are open to elementary teachers who specialize in art.

Students in the Art Curriculum may use the Summer Studios for the purpose of completing courses which they were unable to schedule during the winter sessions. Summer work may also be used to shorten the time necessary for completing a degree.

Art 212 - Art History **3 cr.**

This course covers the historical development and function of each art in world history. Appreciation and critical judgment of old and modern masterpieces are the goals.

Art 114 - Costume Design **2 cr.**

Anatomy and figure construction, historic and modern costume design and illustration are the bases of this course.

Art 116 - Crafts in Elementary Schools **2 cr.**

Craft experiences suggested by activities and materials suitable to the elementary grades are appraised and executed. Emphasis is on source material and the needs of children.

Art 211 - Commercial Art **3 cr.**

The activities of this course involve projects related to commerce, publishing and advertising such as lettering, layout, and poster design.

Art 118 - Drawing and Lettering **3 cr.**

Drawing and painting in water color are studied through problems in figure, still-life, landscape, lettering and murals.

Art 315 - Drawing and Painting **3 cr.**

Stressing the creative aspects of drawing and painting, this course in oil painting covers the glazing and scumbling techniques of the old masters as well as the mixed techniques of the contemporaries.

Art 314 - Advanced Oil and Water Color Painting **2 cr.**

The artist-teacher has an opportunity for individual development by stressing volume, plastic color, or abstract form in his painting.

Art 214 - Elementary Industrial Arts **3 cr.**

This course is designed to acquaint students with materials and processes appropriate for junior high school pupils. Hand and power tools are used to experiment with the raw materials of industry; wood, metal, clay, plastic, leather and fiber; to discover their inherent design and construction possibilities and to experience the concept that "form follows function."

El. 214 - Teaching of Art in the Elementary Grades **3 cr.**

Additional experiences in art media, evaluative practices and the growth and development aspects of art education are presented. An actual "field" experience gives the student a basis for better understanding art education in the school.

Art 313 - Art in Elementary Education **2 cr.**

The focus is on a child centered curriculum in which develop truly creative individuals who can confidently live in a democracy. Emphasis is on art education as a process for furthering child growth and art products of children are evaluated in this way. Motivation of art programs, unit plans, lesson plans are studied critically.

Art 311 - Advanced Crafts **3 cr.**

The industrial materials available for the crafts are employed to develop advanced techniques in jewelry, textiles, bookbinding, leather work, wood carving, metal work and other projects suitable

Art 111 - Drawing and Composition **2 cr.**

Problems in pictorial composition and methods of drawing are studied and executed in various media.

El. 213 - Art for the Elementary Grades **3 cr.**

Gaining an understanding of the creative approach to art education and the planning and development of art motivations for children are important to the elementary teacher. Personal experience in the media and materials of art education will help her to identify herself with their application to classroom use.

Art 101 - Introduction to Art **2 cr.**

Studies in the understanding and enjoyment of the visual arts as modes of expression and communication make up the content of this course.

Art 213 - Modeling **2 cr.**

This course is designed to give experience in handling clay, paper, wire, sheet metal wood, and plaster as media of expression.

These are treated experimentally to achieve a three dimensional interpretation of the material by hand or too.

Art 218 - Pottery **2 cr.**

Ceramics experiences include an experimental approach to all methods of clay manipulation from the primitive to the contemporary. Various types of decorating, glazing and firing are attempted.

Art 115 - Survey of Art **3 cr.**

The visual arts as modes of expression and as they relate to life, the individual, the home, the community now and in the past are studied.

BUSINESS EDUCATION DEPARTMENT

Several distinct needs are provided for in the summer offerings in the Department of Business Education as follows:

1. Courses to allow high school graduates to accelerate before entering the armed forces.
2. Courses in business subjects for teachers in service who wish refresher work.
3. Advanced courses required for the completion of the degree.
4. Sequential courses for Veterans who are completing accelerated programs.
5. Review courses for those students in regular attendance, who wish to strengthen their standings before fall.

Bus. 221 - Accounting I **3 cr.**

This is the introductory course. Its purpose is to introduce the students to the keeping of records for the professional man as well as a mercantile enterprise involving the single proprietor. Emphasis is placed upon the distinction between keeping records on the cash basis as compared to the accrued basis of bookkeeping.

Bus. 251 - Accounting II **3 cr.**

Special consideration is given in connection with accruals and deferred items; the significance and handling of evaluation accounts and the interpretation of the effect of all types of transactions on the operation of the business are stressed throughout the course. Special attention is given to the preparation of columnar records for different types of businesses along with the preparation and interpretation of comparative financial reports.

Bus. 352 - Accounting III **3 cr.**

Special attention is given to the records and reports peculiar to the corporate form of organization as well as to the methods of han-

ding capital and surplus. Emphasis is given to the methods of accounting for inventories, tangible, and intangible fixed assets, investments, long-term liabilities, funds and reserves and the methods of amortizing bond premium and discount.

Bus. 353 - Accounting IV

3 cr.

This course is designed to give the students an understanding of the theory of costing used in manufacturing establishments. The voucher system is introduced in this course and attention is given to budgeting, estimating and prorating of manufacturing expenses, the technical aspects of charting production, data, and investigating time and motion study techniques.

Bus. 455 - Accounting V

3 cr.

In this course students conduct a semi-detailed audit of business records, make the corrections, and submit statements of results. Problems of public and private auditing are developed by the instructor. The construction and organization of working papers and the auditor's final report are covered. It also provides the prospective teacher with a knowledge of the current tax laws in connection with Social Security, Excise and Income Taxes.

Bus. 354 - Tax Accounting

3 cr.

This course is designed to enable the students to gain a familiarity with the Federal Income Tax Laws as they pertain to individuals, single proprietorships and partnerships. The Social Security Tax Law will also be considered as a phase of this course. In addition to studying the Internal Revenue Code in connection with the above topics problems will be considered which involve the use of the different forms that are necessary in tax accounting.

Bus. 111 - Business Mathematics I

3 cr.

This is a review of the fundamental processes with emphasis on speed and accuracy through adequate drill and practical application in the handling of the fundamental business operations. The course is designed to lay a groundwork for Business Mathematics II.

Bus. 212 - Business Mathematics II

3 cr.

The purpose of this course is to teach students to apply principles of business mathematics with speed and accuracy in solving advanced problems encountered by the business man and the consumer. The mathematics of production, marketing, accounting, finance, and management correlate with the accounting courses.

Bus. 131 - Typewriting I **2 cr.**

This introductory course places emphasis on the development of correct techniques in typewriting. The student is introduced to the basic styles of business letters, simple tabulations and simple manuscripts. Individual remedial work is given.

Bus. 335 - Clerical Office Practice **3 cr.**

Clerical office routine is covered, together with the fundamentals of operating various office machines—calculators, adding machines, stencil duplicators, dictaphones, and various office appliances; also the theory and practice of office management is stressed. The use of the dictaphone is required of all, and transcription is offered to the stenographic students.

Bus. 232 - Typewriting II **2 cr.**

This course continues the development of speed and accuracy. Students learn to type tabulated reports, special problems in letter arrangement and business forms, rough drafts and manuscripts. Production ability is developed.

Bus. 312 - Methods of Teaching Business Courses **3 cr.**

This includes methods of teaching general courses, as well as shorthand, typewriting, and bookkeeping. Demonstration and lesson planning are emphasized. It includes the construction, administration, scoring, and grading of various types of tests; analysis of test results, remedial teaching and retesting; evaluation of tests, all tied together in the psychological foundation of methodology.

Bus. 271 - Typewriting III **2 cr.**

This course deals with letter writing, writing on special business and legal forms; setting up outlines, programs, indexes, title pages, proofreaders' marks; copying from longhand and corrected copy; writing manuscripts; tabulating; problems of English, such as capitalization, punctuation, and paragraphing; and many other practical and educational matters.

Bus. 433 - Work Experience **6 cr.**

For those persons working toward a major in Retail Selling, the course is designed to be a practical cooperative plan for retail training in business establishments. The student spends a minimum of six weeks of full-time work at which time he puts into practice the theories of retailing studied in previous retail training courses. The

course may be taken by the student in or near his home town during the summer term by special arrangement and provided the distance is no greater than fifty miles from Indiana. This plan is operated under close supervision of store officials and a representative of the College. This plan can also be used in connection with office work for those in Stenographic and the Accounting fields.

EDUCATION DEPARTMENT

The courses in Education are provided for: (1) students who are working for their degrees, (2) students and teachers who seek extension of their certificates, and (3) teachers who wish to have their College Provisional Certificates made permanent. The following courses will be offered this summer:

Education Courses

Ed. 301 - Audio-Visual Education **3 cr.**

A consideration of the needs for sensory techniques and materials is given with attention to the psychological processes involved. Through class and laboratory work the student will have an opportunity to become acquainted with materials and equipment and skilled in audio-visual techniques, within the teaching field. Activities will include actual production of materials for class use and participation in their use.

Ed. 101 - Professional Orientation **3 cr.**

An orientation and guidance course designed to acquaint prospective teachers with the opportunities and requirements of their profession, the relationship of the school to society, the organization of the American school system, the pupil and the educational process. Extensive directed observation of various schools and learning situations will be required.

Ed. 315 - Problems of Secondary Education and Guidance **3 cr.**

This is a basic course in secondary education designed to aid the student with the practical problems of teaching. Special attention is given to problems in such areas as: teacher-pupil relationships,

classroom organization, the nature of the secondary school population, the curriculum, extra-class activities and home room practices.

Guidance Courses

Ed. 351 - Counseling Techniques **3 cr.**

This course is intended to afford the student an opportunity to study the basic needs, theories and principles of counseling, particularly as they may apply to the work of the classroom teacher and guidance counselor in the public schools. The course will provide frequent opportunities for demonstrations and role-playing by instructor and students. Prerequisite: Use of Tests in Guidance.

Ed. 352 - Case Studies in Guidance **3 cr.**

This course is designed to study the principles, problems and methods involved in developing case studies and in applying them to the work of the counselor in the school and the home. Emphasis will be placed upon the guidance of pupils in connection with personal, social, health, educational, and vocational adjustment of the individual. Prerequisite: The Use of Tests in Guidance.

Ed. 252 - The Use of Tests in Guidance **3 cr.**

This course deals with the purposes and uses of all types of tests used in guidance programs. Particular attention is given to the principles underlying the choice of tests for specific purposes and to the critical analysis of test results. Attention is also given to the problems involved in establishing and operating an efficient testing program for guidance in the public schools. Prerequisite: Fundamentals of Guidance.

Ed. 253 - Occupational Information for Counselors **3 cr.**

This course deals with collection, filing, and use of an occupational file for guidance counselors. Attention is given to recent research in occupations in order that the counselor may be well informed about this area of information. Occupational field trips are planned and local occupational surveys are made. Prerequisite: Fundamentals of Guidance.

Ed. 251 - Fundamentals of Guidance **3 cr.**

This course gives consideration to the function and implementation of guidance services. It presents an over-all view of guidance in relation to individual problems of adjustment in home and school, on the job, and to civic and social relationships. Throughout the course the relation of the curriculum to guidance and of the teachers to the

guidance worker is dominant. The knowledge, techniques, and opportunities for careers in guidance service are presented for consideration.

Ed. 353 - Organization and Administration of Guidance 4 cr.

This course will give consideration to both curricular and extra-curricular programs. The former will include the purposes, the lines of authority, the types of organization, personnel, physical equipment and construction. In the extracurricular activities attention will be given to the controlling factors, the sponsorship of the activities, the setting-up of safeguards, and the history of the activities.

Psy. 355 - Adolescent Psychology 3 cr.

This course is a study of the adolescent child as revealed by researchers of his emotions, personality, integration, social adjustment, character development, moral problems, attitudes, religious interests, home adjustments, and mental hygiene.

Psy. 201 - General Psychology 3 cr.

A comprehensive study of the origins, motives and modifications of human behavior with emphasis on the scientific approach in analyzing behavior patterns; the importance of man's biological inheritance, and the significance of social environment in influencing human living. Attention is given to an appreciation of simpler techniques in psychological experimentation.

Psy. 202 - Educational Psychology and Evaluative Techniques 3 cr.

This course deals with the problems of understanding the child and the adolescent and how he learns. Some emphasis is given the growth process to better understand the learner. The learning process is dealt with in detail. Actual classroom observation and a study of classroom techniques attempts to give the student the information he needs in order to teach effectively. Attention will be given to measurement as related to growth and the learning process. Prerequisite: General Psychology.

Psy. 351 - Introduction to Exceptional Children 3 cr.

This survey course deals with the different types of exceptional children. This course is designed to aid the student in identifying those children who deviate from the typical in areas of physical, mental, emotional, and educational development. This will enable the teacher to identify for referral those pupils who need special class

placement or a special instructional program within the regular classroom.

Psy. 352 - Mental Hygiene **3 cr.**

This course is designed for aiding the development of strong hygienic personalities: mental hygiene as related to the child, adolescent, and teacher in the home, classroom, and social situation; maladjustments and mental diseases with emphasis on prevention.

Psy. 451 - Psychological Practicum **3 cr.**

In the summer of 1959 Indiana State Teachers College will offer for the eighth year an unusual work-study practicum in psychology for twenty selected students at the Torrance State Hospital. Those chosen will work a 40-hour week as attendants at the Torrance State Hospital concurrent with a planned lecture and demonstration course taught by members of the hospital staff. They will earn full pay as hospital attendants in addition to earning three credits in psychology. If interested, write immediately to: Dr. George Stouffer, Assistant Dean of Instruction, State Teachers College, Indiana, Pennsylvania. Prerequisite: 6 hours of psychology.

Ed. 452 - Reading Problems of Junior and Senior High School Students **3 cr.**

This course is planned to help the secondary or special teacher to understand and participate in the development reading program at the junior and senior high school levels, and to work with those pupils who are not able to achieve satisfactorily because of reading problems. Special help is given in the basic reading and study skills, the diagnosis and correction of reading difficulties, the techniques for improving rate and comprehension, and the development of readiness for reading in the content field.

Ed. 383 - Speech and Hearing Clinic **3 cr.**

This course offers the student experience in diagnosis and treatment commensurate with his particular course background. Practice is given in the use of clinical instruments, lesson planning, case reports and histories, and treatment in both individual and group situations. Prerequisites: Speech Problems; Psychology of Speech; Speech Pathology (for Advanced Practicum). Each semester, each year.

ELEMENTARY EDUCATION DEPARTMENT

The courses offered in elementary education may be used as credit toward a degree, for certification in elementary education, or for permanent certification.

Psy. 215 - Child Development 3 cr.

This course is designed to enable the teacher to understand and help children. A survey of human development from conception through early adolescence is made in terms of basic scientific data. Aspects of growth and behavior are presented through research, discussion, observation and audio-visual techniques. Main Session.

El. 221 - Children's Literature 3 cr.

In this course the students acquire a wide acquaintance with children's literature, old and new. Poetry selections, annotated stories, and bibliographies will be assembled. Ways and means to develop, stimulate, and guide children's reading of literature are presented. Principles and techniques of successful story-telling are studied and practiced. Post Session.

El. 351 - Creative Activities in the Elementary School 3 cr.

This course is planned to provide the student with a wide range of creative experiences in the subjects taught in the elementary school. Emphasis is placed upon how to help children develop their abilities to express themselves creatively.

El. 352 - Diagnostic and Remedial Reading 3 cr.

This course is planned for in-service teachers and students who have done their student teaching. It deals with methods and materials which help teachers to increase the reading abilities of children who are retarded in reading. Attention is given to recent research findings in the areas of readiness; word recognition, including phonics; comprehension; evaluation and textbook selection. Elementary Workshop in Language Arts will be a part of this course. Pre-Session.

Ed. 353 - School and Community 3 cr.

This course helps to identify and give the techniques for the use of a great variety of community resources that can be used to enrich classroom instruction. Included also is a study of various outside influences on the school and its curriculum and the techniques of public relations that can be practiced by the classroom teacher.

El. 413 - Teaching of Language**3 cr.**

This course is designed to give the elementary student a knowledge of the latest techniques, methods, and materials in the language arts area. Research and trends are studied. The fields of handwriting, spelling, oral and written communication, and vocabulary development are included. Elementary Workshop in Language Arts will be a part of this course. Pre-Session.

El. 411 - Teaching of Social Studies and Geography**3 cr.**

This course presents the social studies content for the elementary school organized into units according to the Pennsylvania Course of Study. Current philosophy of social living in the classroom, trends, patterns and principals of organization of the social studies program are studied. Emphasis is placed on the implications of child development for the content and methods. Students will have experience in preparing resource units, preparing and using related audio-visual materials, participating in field trips and reading and evaluating informational sources for social studies in the elementary school. Main Session.

ENGLISH-SPEECH DEPARTMENT

The four English courses required of all students for graduation will be offered during the summer. Either Literature I or II may be taken for credit in World Literature, an elective which can be used for permanent certification in Elementary Education.

Three advanced courses generally required of all English majors and most minors will be offered: English Literature, American Literature, and Advanced Composition. Courses usually required of speech majors and minors (exclusive of those in the Drama Workshop) are Speech Development and Improvement and Phonetics and Voice.

For the eighth year the Drama Workshop will be offered in conjunction with the College-Community Theater Guild program of six plays. Students, working under college coaches and technicians, get valuable experience in all phases of theater. Credit can be gained in four speech electives — Play Production, Community Dramatics and Pageantry, Costume and Make-up, and Stagecraft, Scenic Design, and Lighting. As many as three courses may be taken during the summer — one in the pre-session when preparations are being made for the Guild program, two in the main. With the permission of the Dean of Instruction and the Director of the Workshop, students may enroll for only one course in the main session.

TENTATIVE PROGRAM FOR SUMMER SESSIONS — 1959
Pre and Post Session Classes meet from 8:00-9:30 and 10:30-12

	PRE-SESSION June 8—June 26	Begins June 29 7:45 - 9:10 a.m.
Art	Art 101 Introduction to Art Art 115 Survey of Art Art 116 Crafts in El. Sch. Art 214 E.M. Indus. Arts Art 311 Advanced Crafts	Art 116 Crafts in El. Grades (2 cr.) Art 213 Modeling (2 cr.) Art 218 Pottery (2 cr.) El 214 Teaching Art in Elem. Schools
Business	Bus 311 Prob. in Bus. Ed. Bus 352 Accounting III	Bus 212 Bus. Math. II Bus 352 Accounting III
Education	Ed 101 Prof. Orient. Ed 251 Fund. of Guid. Ed 253 Occup. Inf. for Couns. Ed 301 Audio-Vis. Ed. Psy 201 General Psychology Psy 202 Ed. Psych. & Ev. Tech. Psy 451 Psychological Practicum	Ed 251 Fund. of Guid. Ed 252 Use of Tests in Guid. Ed 312 Prob. Sec. Ed. & Guid. Psy 201 General Psychology Psy 202 Ed. Psych. & Ev. Tech. Psy 355 Adolescent Psych.
Elementary Education	Ed 355 School & Community El 460 El-mentary Workshop (Sci. and Math.)	El 221 Children's Literature El 352 Diag. & Remead. Rep. Psy 215 Child Development
English	Drama Workshop EngS 151 English Literature EngS 201 Literature I EngS 202 Literature II EngS 254 Contemp. Poetry EngS 376 TV (I & II) Workshop EngS 381 Speech Dev. & Imp.	Drama Workshop EngS 101 Communications I EngS 102 Communications II EngS 256 Modern Drama
Foreign Language		
Geography	Geog 101 World Geography Geog 254 Physiography Geog 451 Tehg. of Geog. in Secondary Schools	Geog 151 Economic Geograph
Health	El 314 Tehg. Health & Phy. Ed. HPe 251 General Safety Ed.	HPe 254 Org. & Adm. of Safety Ed.
Home Economics	HE 403 Home & Fam. Living HE 417 Clothing III	HE 413 Consumer Economic PSN 403 Case Work for Nurses (2 crs.)
Keith		Elementary Student Teacher Secondary Student Teacher
Mathematics	Ed 451 Tehg. Math. in the Secondary School	Math 253 Adv. College Algebra
Music	Mus 101 Intro. to Music Mus 311 History of Music I	Mus 411 Methods III (Instr. Meth. Workshop)
Public School Nurses	Ed 101 Prof. Orient. Psy 202 Ed. Psych. & Ev. Tech. SS 401 American Govt. (Other courses or	PSN 403 Case Work for Nurses (2 crs.) EngS 101 Communications I SS 202 Hist. of Civ. II combinations of courses also
Science	Sci 101 Basic Bio. Sci. Sci 102 Basic Phy. Sci. El 311 Sci. for El. Grades Sci 173 Inorg. Chem. (H.Ec.)	Sci 171 Inorg. Chem. I Sci 172 Inorg. Chem. II El 312 Tehg. Elem. Science Sci 101 Basic Bio. Sci. Sci 181 Physics I Sci 282 Physics II
Social Studies	SS 251 Prin. of Sociology SS 352 Cont. Economic Probs. SS 201 Hist. of Civ. I SS 301 Hist. of US & Pa. I SS 401 American Govt. Ed 451 Tehg. Soc. Stu. Sec. Sch.	SS 202 Hist. of Civ. II SS 351 Cont. Social Probs. SS 401 American Govt.

STATE TEACHERS COLLEGE — INDIANA, PENNSYLVANIA

9 a.m. — All courses are three credits unless otherwise noted.

MAIN SESSION 9:20 - 10:45 a.m.	Ends August 7 10:55 - 12:20 p.m.	POST - SESSION August 10 - August 28
Art 111 Drawing & Composition (2 cr.) Art 111 Costume Design (2 cr.) Art 213 Art in Elem. Ed. (2 cr.) Art 213 Art in the Elem. Grades	Art 118 Dwg. & Lettering Art 314 Advanced Oil & Water Color Painting (2 cr.)	Art 191 Intro. to Art Art 212 Art History Art 118 Dwg. & Lettering Art 214 Commercial Art Art 315 Dwg. & Painting
Bus 111 Bus. Math. I Bus 221 Acctg. I (repeats only) Bus 251 Acctg. II (repeats only) Bus 312 Methods of Teaching Business Courses Bus 433 Ret. Selling III	Bus 131 Typing I Bus 232 Typing II Bus 271 Typing III Bus 335 Clg. Prac. & Off. Mch. Bus 351 Tax Accounting (Stores) (6 cr.)	Bus 131 Accounting IV Bus 151 Accounting V
Ed 452 Reading Problems in Jr. and Sr. High Sch. Ed 301 Audio-Vis. Ed. Ed 352 Case Studies in Guid. Psy 352 Mental Hygiene Ed 383 Speech and Hearing Clin.	Ed 101 Prof. Orient. Ed 301 Audio-Vis. Ed. Ed 351 Counseling Tech. Psy 202 Ed. Psych. & Ev. Techn. (3 cr.) (June 15 to August 21)	Ed 301 Audio-Vis. Ed. Ed 353 Org. & Adm. of Guid. Psy 201 General Psych. Psy 202 Ed. Psych. & Ev. Tech. Psy 351 Tecl. Except. Child
El 413 Tech. of Language (6 crs.) (5 crs.) (5 crs.) EngS 101 Communications I EngS 102 Communications II EngS 251 American Literature	El 351 Creative Activities in the Elem. School El 411 Tech. Soc. Stu. & Geog. EngS 201 Literature I (5 crs.) (5 crs.) EngS 361 Advanced Composition	EngS 357 Shakespeare EngS 201 Literature I EngS 202 Literature II EngS 281 Phon. & Voice EngS 317 Choc. Dram. & Story Telling Workshop
Sp 461 Spanish X	Sp 161 Spanish for the Elem. Teacher	
Geog 101 World Geography Geog 357 Geog. of Australia & Africa	Geog 102 Geog. of US & Pa. Geog 353 Geog. Inf. in History	Geog 102 Geog. of US & Pa. Geog 352 Cons. Nat. Resources (Cons. Workshop) Geog 360 Geog. Latin America
	HPE 252 Driver Education	HPE 102 Physical Ed. I (1 cr. - afternoon) HPE 203 Physical Ed. II (1 cr. - afternoon)
HE 112 Clothing I HE 212 Nutrition HE 411 Family Relations HE 451 Clinic in H.Ec. Ed.	HE 103 Home & Fam. Living HE 311 Tex. & Cloth. Economics PSN 102 Community Health & Nutr. (2 crs.) Nurses	HE 103 Home & Fam. Living
Music (6 crs.) (6 crs.) (6 crs.) (6 crs.)	
Math 111 Fund. of Math.		Math 375 Modern Math.
Music Theory Workshop (Mus. 313 Music Theory III) Local Music Workshop (3 crs.) Mus 316 Methods II (H.S. Meth.) High School Summer Band Private Lessons in Voice (Mus 311 Music Theory IV) El 211 Mus. of Elem. Grades Mus 101 Intro. to Music June 19 to July 18 (1 cr.) Mus 115 Orchestration	Mus 101 Intro. to Music Mus 312 Hist. of Music II
Ed 301 Audio-Visual Ed. (5 crs.) available to Public School Nurses)	PSN 102 Community Health & Nutrition (2 crs.) SS 302 Hist. US & Pa. II (8 wks. 4 crs.) (8 wks. 4 crs.) Sci 353 Field Botany Sci 111 Sci. in Med. Civ. (8 wks. 4 crs.) (8 wks. 4 crs.)	PSN 301 Public School Nurs. (2 crs. 2 wks.) EngS 202 Literature II
Sci 102 Basic Phy. Sci.		Sci 172 In. Chem. II (2 wks.) Sci 101 Basic Bio. Sci. Sci 102 Basic Phy. Sci. Sci 277 Org. & Biol. Chem. Sci 282 Physics II (2 wks.)
SS 301 Hist. of US & PA. I SS 201 Hist. of Civ. I SS 401 American Govt.	SS 402 Intro. to Phil. SS 302 Hist. of US & Pa. II SS 372 Hist. Europe since 1815	SS 252 Prin. of Econ. SS 202 Hist. of Civ. II SS 302 Hist. of US & Pa. II SS 401 American Govt. SS 402 Intro. to Phil.

EngS. 201 - Literature I **3 cr.**

In this course the literature studied includes, in addition to outstanding American and British literary efforts, non-English works in translation from the outstanding cultures and nations of the world.

EngS. 151 - English Literature **3 cr.**

This course is a survey of English literature from Anglo-Saxon times to the present.

EngS. 254 - Contemporary Poetry **3 cr.**

This course offers a study of the poetry of England and America since 1880.

EngS. - 256 Modern Drama **3 cr.**

In this course the major study is the reading of outstanding American, British, and Continental plays from Ibsen to the present.

EngS. 361 - Advanced Composition **3 cr.**

This is a seminar course in which the kinds of writing done are chosen in line with the special interests and abilities of each student after consultation with the instructor.

EngS. 376 - Television in Education **3 cr.**

This course has as its primary aim the training of teachers to use television as a medium of instruction in connection with classroom work. Through lectures and discussions on the campus, and through observation and workshop experiences at WQED, Pittsburgh's educational television station, students will be given training in planning, writing and producing telecasts of an educational nature.

EngS. 381 - Speech Development and Improvement **3 cr.**

This course, designed for elementary students, includes the study of normal speech and language development, the types of speech and hearing disorders common to the classroom, and procedures for speech improvement.

EngS. 101 - Communication I **5 cr.**

This course is designed to develop basic skills in reading, writing, speaking, listening, observing, and demonstrating. Media employed include books, magazines, radio, movies, television, art, music, drama.

EngS. 102 - Communication II **5 cr.**

This course is a continuation of Communication I. Second semester, freshman year. Prerequisite: Communication I.

EngS. 251 - American Literature 3 cr.

This course is a survey of American literature from colonial times to the present.

EngS. 281 - Phonetics and Voice 3 cr.

This course includes an analysis of speech sounds used in English so that students may develop auditory acuity and correct reproduction of sounds; transcription of spoken material using the I.P.A. system; study of structure and function of speech organs; voice improvement.

EngS. 202 - Literature II 3 cr.

The materials of this course will include works written in the English language—American, British, Canadian, Australian, South African, etc. Special emphasis will be put on contemporary writing as it reflects important problems.

EngS. 357 - Shakespeare 3 cr.

In this course, the major plays are studied, many others are read rapidly, and the Elizabethan age is given a brief historical survey.

EngS. 374 - Creative Dramatics and Story Telling 3 cr.

An advanced course in play production, it deals with the technical aspects of composition, picturization, movement, rhythm, and pantomime. Each student will cast, rehearse, and direct a one-act play as the main project.

EngS. 171 - Oral Interpretation 3 cr.

This course emphasizes the understanding and appreciation of literature through developing skill in reading aloud. Special attention is given to selecting, adapting, and preparing material for presentation in high school classes.

FOREIGN LANGUAGE DEPARTMENT

Two courses will be offered by the Foreign Language Department during the main session of 1959. The first of these, Spanish I for the Elementary Teacher, is designed for public school teachers who are interested in offering Spanish in the elementary grades of their respective schools. Stress will be placed on pronunciation and fluency of speaking the Spanish language.

Sp. 161 - Spanish I for the Elementary Teacher**3 cr. hrs.**

This introductory course in Spanish is designed to serve specifically the elementary teacher who wishes to deal more effectively with Spain and Spanish America, cooperate with the visiting teacher of Spanish, or even introduce a small program of her own. Formal grammar is reduced to the minimum essentials and much of the vocabulary will apply to the teacher's classroom need. Special stress is laid on accuracy of pronunciation and fluency in simple elementary classroom Spanish.

Sp. 464 - Spanish X**3 cr. hrs.**

In the summer of 1959 Spanish 464 will be a reading and conversation course based upon recent plays chosen for simplicity of language and as reflections of current customs and manners in the Spanish-speaking world. Prerequisite: One or more years of college Spanish, or the equivalent. More advanced students will be expected to do additional reading.

GEOGRAPHY DEPARTMENT

Interest in geography and the teaching of geography is increasing. Recently, requests for trained geography teachers have been more than the supply. In addition, universities are accepting our geography majors as assistants in the graduate geography department. Geography, acting as the catalyst between the social and natural sciences, is finding an influential place in modern society.

This summer the Geography Department will offer a wide variety of courses to teachers-in-service and accelerating students. As much as twelve credit hours of work in geography may be obtained during the summer sessions.

Geog. 101 - World Geography**3 cr.**

The purpose of this course is to develop a knowledge and appreciation of patterns of the natural environment throughout the world, such as patterns of soil, climate, vegetation—and of man's adjustment to them, with special emphasis on man's economic and cultural responses. This course is prerequisite to all other courses in the department.

Geog. 102 - Geography of the United States and Pennsylvania**3 cr.**

This course gives a comprehensive treatment of the adjustments of the peoples of Pennsylvania and the United States to the physical

factors—structure, relief, climate, soil, and natural resources—which mold their destiny. The inter-relationships between the United States and Pennsylvania and the rest of the world are stressed. Prerequisite: World Geography.

Geog. 151 - Economic Geography **3 cr.**

This course develops an understanding of world patterns of producing and consuming regions, population distribution, world trade routes and related natural factors. It also deals with the applications of these understandings to the solution of national and international problems.

Geog. 254 - Physiography **3 cr.**

This course involves a detailed study of the physical geographic phenomena of the earth, sun, moon relationship and of the creation, structure and distribution of landforms such as mountains, river systems, glaciers, plateaus. It provides the student an understanding of the natural base on which the role of human geography is performed.

Geog. 360 - Geography of Latin America **3 cr.**

In this course a regional study is made of Middle and South America. Special emphasis is given to regional differences and similarities. Latin American relations with other areas, especially the United States are stressed.

Geog. 352 - Conservation Workshop **3 cr.**

See description on page 10.

Geog. 353 - Geographic Influences in History **3 cr.**

This course is a study of the relationship of the natural environmental factors to the settlement, development and progress of selected countries—with major emphasis on the United States. Prerequisites: World Geography and Geography of the United States and Canada.

Geog. 357 - Geography of Africa and Australia **3 cr.**

This is a regional study of Africa, Australia, and New Zealand, presenting the economic and social development of the regions of these lands and their relationship to the physical environment. The geographic aspects of the problems of land tenure, race, future land use, and the strategic importance of the areas are considered.

Geog. 451 - Teaching of Geography in Secondary Schools 3 cr.

This course is an intensive study of modern techniques for teaching geography, of geographic materials, and of current curricula in geography. Emphasis is placed on the contribution of geography to the solution of national and world problems. State Bulletin 412 is considered.

HEALTH AND PHYSICAL EDUCATION DEPARTMENT

The widespread extension of Driver Education and Training among the high schools of the nation has confronted school administrators with the perplexing problem of finding teachers equipped by preparation and experience to offer such courses. Qualified enthusiastic high school teachers of Driver Education and Training are in increasing demand and face an interesting and productive career.

Certification in the Field of Education for Safe Living

The State Council of Education approved this new certification January 9, 1948. The four courses below, General Safety Education, Driver Education, Organization and Administration of Safety Education, and Methods and Materials in Safety Education in the Secondary Schools, will meet all of the requirements for certification in this field.

HPe 102 - Physical Education I 1 cr.

This course provides a seasonal program of sports and activities that will have some carry-over value. The activities will improve the physical fitness of the student and develop a number of sport skills.

HPe 203 - Physical Education II 1 cr.

A continuation of Physical Education I with greater emphasis on participation in activities learned in Physical Education I.

El. 314 - Teaching of Health and Physical Education 3 cr.

The Teaching of Health and Physical Education covers units designed to present the meaning, aim, scope and materials related to Healthful School Living, Health Service, Health Instruction, Elementary Grade Activities in Physical Education. Lesson Planning and Practice Teaching.

HPe 251 - General Safety Education 3 cr.

The General Safety Education course is one which will be valuable to teachers of all grade levels and all departments. It deals with

the recognition of unsafe conditions and practices, and the methods by which they may be eliminated or minimized, in an accident prevention program. The study includes home, school, occupational and public safety.

HPe 252 - Driver Education **3 cr.**

Driver Education is a combination of class instruction in traffic safety and driver training in actual behind-the-wheel practice in a dual control car. It prepares the student to teach driver education in a high school. The prerequisites for the course are: the student should have driving ability above the average and evidence of holding a driver's license, plus at least two years of driving experience without having a major accident for which the driver is responsible.

HPe 254 - Organization and Administration of Safety Education **3 cr.**

The Organization and Administration of Safety Education deals with the basic principles of organizing, administering and supervising safety education procedures in schools. A large part of the course is devoted to methods of teaching pupil safety activities in school and community.

HOME ECONOMICS DEPARTMENT

The home economics department is making every possible effort to help teachers in the field keep up to date or bring themselves up to date if they are returning to teaching and to help present and future teachers become certified. Clinic in Home Economics Education is accepted as Methods in Home Economics Education (Vocational) for experienced teachers. The subject matter courses offered are to meet indicated needs of regular students and teachers-in-service.

A second purpose is to better prepare all men and women to be healthy, happy and more efficient individuals, future heads of families, homemakers and parents. Home and Family Living is a general education course required of non-majors. All subject matter courses are open to anyone who is interested and can profit from the course.

HE. 112 - Clothing I **3 cr.**

A minimum of three garments is made with emphasis on good appearance, and efficient management in the process of making each article. This involves a study of commercial patterns, and of quicker

and better ways of sewing. The sewing machine is used extensively and hand sewing is done when appropriate. The cost of the fabric is approximately \$30.

HE. 212 - Nutrition **3 cr.**

Positive relation of food to health is emphasized. Signs of good and poor nutrition, functions of nutrients, interdependence of dietary essentials, and nutritive essentials of an optimum diet are studied. Nutritional requirements in infancy, childhood, adult life, pregnancy, lactation, old age, common nutritional deficiency and disorders are emphasized. Adequate diets on different economic levels, racial and nationality are considered. Laboratory work provides for further understanding of these problems.

HE. 314 - Textiles and Clothing Economics **2 cr.**

The manufacture of fabrics and the making and retailing of ready made garments is considered in relation to retail cost. Selection and upkeep of clothing and household textiles is studied from the stand point of quality of fiber, fabric and finish. Labels and laws governing the sale of fur, fabrics and manufactured articles are investigated.

PSN. 403 - Family Case Work **3 cr.**

Goals of family life, changes brought by crises, the attitudes and relation of the family to welfare, approaches and solutions to family problems and the psychology of interpersonal relations are studied. Readings, problem solving, specific family situations and conferences are used.

HE. 411 - Family Relations **2 or 3 cr.**

Students have opportunity to gain knowledge and understanding of personality development and the importance of early family and community influence in well adjusted lives and family stability. Emphasis is on preparation for marriage and problems of human relations within homes. Reading, discussion, and conferences are used in facing and solving problems.

HE. 413 - Consumer Economics **2 or 3 cr.**

An understanding of economic problems of consumer buyers is sought. Problems of production, distribution, merchandising, and buying are studied. Emphasis is placed upon help available from government, private agencies and consumers themselves. A program

for the education of intelligent consumers is planned. Gaining maximum satisfaction from goods and services available to each family is an important goal.

HE. 417 - Clothing III **3 cr.**

A coat or suit is tailored and a garment remodeled. Additional ability is gained in pattern construction and use, construction techniques, selection and care of clothing. Constructed garments are compared with ready-to-wears. The cost of fabric is approximately \$40.

HE. 451 - Clinic in Home Economics Education **3 cr.**

This course provides further study for teaching various areas needed for adequate living in the home and the community. The philosophy underlying learning, evaluation, curriculum planning and effective teaching is studied and applied to specific field situations.

GENERAL EDUCATION REQUIREMENTS

HE. 352 - Home and Family Living **3 cr.**

Many needs of men and women as heads of families and homemakers and as parents are met. Units studied are: how nutritionally adequate meals provide for body food need; food purchasing, preparation and service; child care, development and guidance; the family and the role of each member; clothing selection and care; housing the family; furnishing and equipping the home; house care and management; and wise use of human and material resources.

For Nurses

Nutrition and Community Health **2 or 3 cr.**

This course, a requirement for the degree in Public School Nursing, will be offered in Main Session.

HE. 352 - Home and Family Living **3 cr.**

Many needs of men and women as heads of families and homemakers and as parents are met. Units studied are: how nutritionally adequate meals provide for body food need; food purchasing, preparation and service, child care, development and guidance; the family and the role of each member; clothing selection and care; housing the family; furnishing and equipping the home; house care and management; and wise use of human and material resources.

KEITH SCHOOL

Student Teaching

Student teaching in the summer is offered in the Main Session only and is provided on both Elementary and Secondary levels. To be eligible a student must meet the following requirements: (1) One semester of resident work at Indiana within one year previous to student teaching semester. (2) At least twelve hours of work in professional courses. (3) Five years of experience or previous student teaching at Indiana for students wishing to do student teaching during a summer session. (4) Transfer students must meet the above requirements and in addition must have the approval of the Committee on Professional standards. Approval in general depends upon meeting the requirements for Junior Standing.

Student teaching is scheduled for the Main Session only beginning June 29. Applications must be filed by May 1 to assure enough opportunities for all who desire to do their student teaching this summer.

MATHEMATICS DEPARTMENT

Ed. 451 - Teaching Mathematics In the Secondary School 3 cr.

This course has for its major objective the preparation of teachers of mathematics for the modern high school. Units include content of their curriculum, objectives, current literature, methods of instruction, unit and lesson planning, evaluation, observation and preparation of curriculum materials.

Math. 111 - Fundamentals of Mathematics 3 cr.

This course is concerned with cultivating the students' general understanding and appreciation of mathematics. Emphasis will be placed on development of the number system, the processes of arithmetic, equations, graphs, statistics, meaning of proof and the place of mathematics in our present culture. The various mathematical interests of the students will be considered. In the pre-session this course will be given for students specializing in elementary education and in the second week will join with the workshop in science and mathematics. In the regular session of summer school it will be given primarily for students specializing in secondary education.

Math. 253 - Advanced College Algebra 3 cr.

This is a second course in Algebra designed to develop a knowledge of algebraic theory and skill in the processes. It includes a study of theory of equations, determinants, partial fractions, infinite series, complex numbers, cubic and biquartic equations, and mathematics of investment. Prerequisites: College Algebra, Trigonometry, and Analytic Geometry.

MUSIC DEPARTMENT

The Music Department offers the following courses to meet the needs of students in General Education, Elementary Education and Music Education:

Music 311 - History of Music I 3 cr.

History of Music I begins with the earliest known music and traces its development up to the beginning of the nineteenth century. Consideration is given to music's position in the history of civilization as well as the social and political pressures influencing the musical life of the various periods.

One of the principal aims is to develop an awareness of the long, involved development of music up to the romantic period.

Mus. 312 - History of Music II 3 cr.

This course begins with Beethoven and the development of the Romantic movement. It deals with the great masters of the nineteenth century and with the development of such art forms as the art song, the piano solo, the symphonic poem, the latter nineteenth century opera, and modern trends of the twentieth century.

Mus. 101 - Introduction to Music 3 cr.

This course provides an orientation in music experience from present to past, and is required of all college students. It aims (1) to enrich the student's cultural experience, as well as (2) to equip the prospective teacher with an understanding of music as it relates to general education and the art of daily living. The possibility of correlations with other subjects is explored. No prerequisite courses or special abilities are required.

High School Summer Band

This activity was begun in the summer of 1956 as a service to high school students of Western Pennsylvania. Through the advice

and cooperation of high school band directors, students are selected for this three or four weeks of intensive training upon band instruments. Concerts are prepared and given by the band and small ensembles. The high school students are housed in college dormitories.

Mus. 415 - Orchestration **3 cr.**

In this course a study is made of the essential characteristics of each instrument of the symphony and symphonic band with particular stress upon the limitations of each instrument, together with the transposition and range problems of each instrument.

Mus. 411 - Methods II (high school) **3 cr.**

This study involves an analysis of the changing adolescent voice, its special problems; a survey of materials and methods for this area; the correlation of music with other subjects; the problems involved in supervision and in organizing the music curriculum. Observation and an increasing amount of participation in teaching are required. Prerequisite: Methods I.

Vocal Music Workshop **1 to 3 cr.**

See page 10 for description.

Music - Theory Workshop **3 cr.**

See page 10 for description.

PUBLIC SCHOOL NURSING

The college offers a degree program in Public School Nursing. This requires 45 semester hours beyond graduation from an approved School of Nursing. Much of the required work is in general and professional education and may be taken in the summer. Consult pages 22 and 23 for course offerings and pages 16 to 40 for various course descriptions.

SCIENCE DEPARTMENT

The summer school program of the Science Department is planned to provide for the following categories of students:

1. Those students who are completing the requirements for a degree.
2. Those specializing in one of the fields of Science.
3. Those students who are seeking additional certifications or permanent certification.

Students specializing in Biological Science will have exceptional opportunities for field work which are not possible during the regular terms.

For the general student Basic Biology, Basic Physical Science and Science in Modern Civilization will be offered.

Teachers in service facing an increasing emphasis on Science in the elementary school will be interested in Science for the Elementary Grades which takes up subject-matter specifically adaptable to the first six grades.

Special attention should be taken of the following courses which will be offered this summer.

Sci. 353 - Field Botany **3 cr.**

This is an advanced course in the taxonomy of the vascular plants of the region. It includes the ferns, fern allies, shrubs, trees and herbaceous plants. The use of the standard manuals for the identification of plant materials is stressed. Students are required to make collections for their future use in teaching situations. Two hours lecture and three hours laboratory per week.

Sci. 171-2 - Inorganic Chemistry I and II **8 cr.**

Chemistry I includes the study of non-metals, gas laws, valance, gramolecular volume, ionization, solutions, oxidation, and reduction. Chemistry II includes atomic structure and periodic classification of elements, the metals, and simple qualitative tests for cations and anions. Since these two courses give eight credits, students will be required to attend summer school for eight weeks starting with the regular six weeks session.

Sci. 181-2 - Physics I and II **8 cr.**

In Physis I mechanics, heat and sound are studied; in Physics II electricity and magnetism, light, and atomic and nuclear physics are emphasized. Since these two courses give eight credits, students will be required to attend summer school for eight weeks starting with the regular six weeks session.

REQUIRED OF ALL STUDENTS

Sci. 101 - Basic Biology **3 cr.**

This course deals with the principles of biology. Topics include cellular structure and physiology, growth and repair, reproduction and development, control sources of food energy, inheritance, and

man's interrelationship with his biological environment. The classification of plants and animals is reviewed briefly.

Sci. 102 - Basic Physical Science **3 cr.**

This course utilizes the fields of earth science and astronomy to provide a broadened background of science. The nature and use of energy is the central theme for the study of heat, light, chemical, electrical, and atomic energy. Emphasis is placed on the methods and the thinking of scientists in recognizing and solving problems.

Sci. 111 - Science in Modern Civilization **3 cr.**

This course is designed to acquaint the secondary student with some of the major discoveries of science in all fields and the effects of discoveries upon man's way of life. Emphasis is placed upon developing and understanding of science and its implications. Discoveries leading to more abundant supplies of energy, discoveries contributing to better health and longer life, more rapid transportation, to a more abundant and better food supply, better housing, better clothing, and to greater destructive potential are some of the topics developed.

Required for Students in Home Economics

Sci. 173 - Inorganic Chemistry **3 cr.**

This course includes an introductory study of the non-metals, the gas laws, atomic structure, valance, ionization, solutions, oxidation and reduction, and the periodic classification of the elements.

Sci. 277 - Organic and Biochemistry **3 cr.**

This course is designed to include those topics from the fields of organic chemistry and biochemistry that are most important for the student of home economics. Among the topics included are the aliphatic organic compounds, the physiological functions of materials, proteins, carbohydrates, fats, minerals, digestion, absorption, and metabolism.

Required for Students in Elementary Education

El. 311 - Science for the Elementary Grades **3 cr.**

This course, following the year of basic science, is designed to provide the elementary teacher with a more adequate background for teaching science in the elementary school. Units or problems are

selected to achieve this purpose which cut across various fields of science. Emphasis is placed upon developing resourcefulness in gathering data and using the scientific method in the solution of such problems.

El. 312 - Teaching of Elementary Science **3 cr.**

Based on the previous work in science, this course takes up the planning and presentation of material suitable to the elementary field. Students are required to perform demonstrations and take part in science activities which illustrate facts or principles taught in the elementary science program. Considerable attention is given to the literature of the elementary science program as well as other aids such as community resources and simple equipment that can be secured for experimentation and other activities.

SOCIAL STUDIES DEPARTMENT

To meet certification and graduation requirements, the Social Studies Department will offer the following courses in the summer sessions:

SS. 201 - History of Civilization I **3 cr.**

A survey course presenting in integrated form the origin and development of man's major political, social, economic, religious, aesthetic and intellectual institutions from preliterary times to approximately 1500 A.D. including the Oriental and Near Eastern cultures as well as the more familiar Greek, Roman, and Germanic contributions to world society; the course deals with broad historical movements rather than with the details of individual peoples and nations.

SS. 202 - History of Civilization II **3 cr.**

Using the same approach as in History of Civilization I, this course deals with man's development from 1500 A.D. to the present. Among the topics discussed are: The Commercial Revolution; the Age of Reason; the Age of Revolution—political, economic and social; the rise of constitutional governments; and nationalism and the clash of cultures incident to the growth of empire. Considerable attention is given to democracy, capitalism, communism, fascism, and socialism as the major ideologies of the nineteenth and twentieth

centuries. The course concludes with an examination of the various formulas for world order proposed or attempted since 1900.

SS. 401 - American Government **3 cr.**

This course is concerned with our Federal and State governments. Emphasis is placed upon the constitutional basis of government, organization and structure of government, division of governmental powers. Federal and State relations, public finance, organization and role of political parties, and the place of the citizen in government. In the study of the functions and services of government attention is given such problems as foreign policy and world relations, economic and social security, and the promotion of the general welfare.

SS. 402 - Introduction to Philosophy **3 cr.**

A course in which attention is given to the method of reflective thought and reasoned inquiry, the nature of truth, man's place in the universe, and the relation between science and religion. Special emphasis is given such schools of thought as humanism, rationalism, naturalism, and idealism as well as the great thinkers who dominated these schools of thought.

SS. 301 - History of the United States and Pennsylvania I **3 cr.**

A course covering the period in American history from the discovery of America to 1865 with emphasis on the history of Pennsylvania. Special attention is given to the colonial foundations of our nation, the emergence of our Federal Union, the rise of an American culture, territorial and economic growth of the United States, the rise of political democracy, social reform, and the controversy over sectionalism and slavery.

SS. 302 - History of the United States and Pennsylvania II **3 cr.**

A course in the history of the United States and Pennsylvania from 1865 to the present in which the industrialization of America, urbanization, the rise of organized labor, and the development of a distinctly American culture are stressed. Due attention is given to the political, economic, and social reform movements of this period in our history as well as to the increasing role of the United States in world affairs.

SS. 251 - Principles of Sociology 3 cr.

Sociology is the science of the structure and functioning of human groups. Taking culture concepts and social institutions as its basic materials, it explores the content, methodology, and inter-relationships of those studies seeking to record and explain man's social behavior in the modern world. Problems of social change, and the attendant efforts to direct and control such change, are integral parts of the course.

SS. 252 - Principles of Economics 3 cr.

A course in which a study is made of the major areas in the field of economics: production, exchange, distribution, and consumption. Special consideration is given wages, interest, rent, profits, price determination, money and banking, and national income.

Ed. 451 - Teaching Social Studies in the Secondary School 3 cr.

This course seeks to familiarize prospective teachers with current trends and developments in the field of social education, with effective procedures for teaching social studies in the secondary school, and to develop a professional interest in social education. Emphasis is placed on the objectives of social education, courses of study, organization of content of teaching, effective procedures and techniques, instructional materials and resources, and evaluation.

SS. 351 - Contemporary Social Problems 3 cr.

A course which explores pressing social issues and the solutions offered for their alleviation. Within its scope fall race and minority discrimination, juvenile delinquency, crime, family disintegration, personal maladjustment, population shifts, the role of culture, the nature of social change, and the possibility of social planning. Problems are defined and solutions are explored in the light of historical, political, economic, social, and anthropological data.

SS. 352 - Contemporary Economic Problems 3 cr.

A course which briefly analyzes the world-wide clash of Communism, Socialism, and Capitalism, and examines in some detail the contemporary internal problems of American Capitalism. Controversial problems implicit in the rise of big business, big labor, big agriculture, and big government are explored, and proposed solutions

are examined. Students are encouraged to reach tentative individual conclusions on the basis of their independent study.

SS. 371 - History of Europe to 1815

3 cr.

This course examines important political, economic and cultural developments from 1600 to 1815. Among the topics emphasized are the scientific and philosophical revolutions, the Enlightenment, government by divine right, the English and French Revolutions, and the Napoleonic Era.

EXPENSES AND FEES

(Subject to Change)

Contingent Fee for All Students Enrolled. The contingent fee for the summer sessions is \$11.00 per semester hour. A minimum contingent fee of \$33.00 is charged in each session. Thus a student who enrolls for the usual six hours of work will pay:

Contingent Fee	\$66.00
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Contingent Fee for Special Curricula. In addition to the above fee for the regular summer session, students enrolled in the special curricula will pay additional contingent fees as follows:

Art	\$ 6.00
Business Education	4.00
Home Economics	9.00
Music Education	15.00

OTHER FEES

Housing Fee	\$84.00
Room with running water, extra	3.00
Degree Fee, to be paid only by those who graduate at the end of the summer session	5.00
Approximate expenses for books	\$10.00 to \$20.00

Pre-Session and Post-Session Fees. All fees for the pre- and post-sessions of three weeks are one-half the fees for the regular six-weeks session except: (1) the contingent fee which remains at

\$11.00 per semester hour; and (2) the degree fee which remains at \$5.00 and covers the cost of the diploma.

Late Registration Fee. A student who registers after the date officially set for registration June 8 for the pre-session, June 29 for the regular session, and August 10 for the post-session, will pay an additional fee of \$1.00 per day until the student is in regular attendance, provided that the total amount of the Late Registration Fee shall not exceed \$5.00. Every late registrant must pay his fee unless excused in advance by the President because of illness or other unavoidable cause.

Additional Special Fees for Private Instruction in Music. In addition to the fee mentioned above, a charge of \$8.00 for the main session is made for one lesson per week, in voice, piano, band, or orchestral instruments. This fee is to be paid by students who wish private instruction other than that assigned by the Director, and also by persons not registered in the Music Department who wish music instruction.

The fee for practice use of piano, band, or orchestral instruments for one period per day for the regular summer session is \$2.00.

Activity Fee. The activity fee for the regular summer session is \$5.00, and \$2.50 each for the pre- and the post-session.

Out of State Fees. Students who are not residents of Pennsylvania will pay a basic fee (contingent fee) of \$15.00 per semester hour with a minimum charge of \$45.00 for each session. If enrolled in the special curriculums they will pay the same special curricula fees as resident students.

How to Pay Fees. All fees except the degree fee are to be paid on the day of registration for each session: pre-session Monday, June 8, regular session, Monday, June 29, and post-session, Monday, August 10, 1959.

Change in Fees. The foregoing fees are subject to change without notice.

Checks for all fees except activity fee should be made payable to the Commonwealth of Pennsylvania; postal money orders should also be made payable at the Harrisburg Post Office. Checks for the activity fee should be made payable to John Lingenfelter, Treasurer;

money orders for this fee should be made payable at the Post Office at Indiana, Pennsylvania.

Room Reservation. Room reservations can be made by writing to the Dean of Women. An advance registration deposit will not be required to reserve a room for summer sessions.

Students are not expected to room alone. Therefore, prospective students are urged to apply in pairs. In this way each student is assured a congenial roommate. Single applications are handled to the best possible advantage, but the college prefers that students make their own choices whenever possible. The college does not guarantee a suitable room except in cases where the reservation deposit has been paid in advance and accepted. Applications for rooms are filed in the order in which they are received. Students are requested to write to the Dean of Women if there is any preference in rooms, and to indicate whether a room with or without water is desired.

