



Summer Sessions, 1960
STATE COLLEGE, INDIANA, PENNA.

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Indiana College Bulletin

Volume 66

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Number 2

STATE COLLEGE
INDIANA, PENNSYLVANIA

Summer Sessions

Pre-Session June 6 to June 24

Main Session June 27 to August 5

Post Session August 8 to August 26

1960



This College is Accredited by the
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and
The National Council for Accreditation of
Teacher Education

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COLLEGE CALENDAR

1960

Pre-Session

Classes Begin Monday, June 6
 Session Ends Friday, June 24

Main Session

Classes Begin Monday, June 27
 Session Ends Friday, August 5

Post-Session

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

First Semester 1960 - 1961

Registration September 7 - 10
 (details will be mailed Sept. 1)
 Classes Begin September 12



ADMINISTRATIVE OFFICERS

Summer Session 1960

- 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 1960

There will be three sessions the summer of 1960, two of three weeks each and one of six weeks. The pre-session will begin on Monday, June 6, and extend through Friday, June 24. The main summer session starts June 27 and extends through August 5. The post-season of three weeks begins August 8 and continues through August 26.

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 1960 will be held on Sunday afternoon, August 21. The responsibility for graduation rests upon students. All students who plan to graduate in the summer of 1960 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 27, 1960.

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 1960 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 Happiest Millionaire," "White Sheep of the Family," "Loud Red Patrick," "Janus," "Seven Year Itch," and "Boy Friend."

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. Dr. Houston Peterson — Philosopher
"The Fine Art of Teaching"
2. Dr. J. Cutler Andrews — Professor of History, Chatham College
"Finland — Eastern Outpost of the Free World"
3. The Boston Concert Ensemble — Nancy Crillo, Violinist
John Hornor, Bass-Baritone
Colette Rushford, Harpist
William Stevens, Pianist
4. Mr. Joe Callaway — Great scenes from great comedies and comedy-dramas
"Play Parade"

5. Dr. Jack Frymier — Assistant Professor at Temple University
“Freedom and Democracy in the Classroom”
6. Kimon Friar — A poet, scholar, teacher, editor and a master translator
“Three Aspects of the American Myth”
7. Frankie Frisch — Former Major League Baseball Star
“Reminiscences of a Big Leaguer”
8. Dr. S. P. McCutchen — School of Education, New York University
“Contemporary American Issues”
9. J. Fred Coots — One of America’s Top Songsmiths
“Melodies and Memories”

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 1960 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, in-

formal 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 softball, 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 from 1:00-2:30 p.m. the first day. Those wishing credits evaluated should see the Dean of Instruction.

Registration for Pre-Session—8:15 - 12:00 noon, Monday,
June 6

Registration for Main Session—8:15 a.m. - 3:30 p.m., Monday,
June 27

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

The dormitories will be open for students Sunday, June 6 at 3:00 p.m. Women students will be housed in John Sutton and Thomas Sutton Halls. Men students will be housed in Whitmyre Hall.

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 Waller Gymnasium
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 organizations, 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 will be open during the summer. 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 a dormitory 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.

ADVANCED COURSE RESERVATION

At the close of this catalog will be found a form on which you may indicate your course interests and needs. Please fill it in and return it to Dr. R. W. Cordier, Dean of Instruction.

NEW CURRICULAR OFFERINGS

Indiana State College has been authorized to offer courses leading to a degree and certification in the special fields of Speech and Hearing Handicapped and the Mentally Retarded. Those who are interested in these fields should note that a rather full program of courses is being offered in these two fields of special education.

WORKSHOPS AND SEMINARS

A number of workshops and seminars are being featured in the course offerings for the 1960 summer sessions. These unusual learning opportunities are especially adapted to meet the needs 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, carry-

ing 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 Social Studies Workshop

1 cr. or no cr.

The Social Studies Workshop, June 13-17, is offered as a part of the 3-credit pre session course, Teaching of Social Studies and Geography. (For course description see Elementary Education Department.) The first and third weeks of this course will be devoted to the classroom preparations and recitations. Students enrolled in this course will spend the second week attending the various sessions of the Workshop. No additional Workshop fees are charged to the three-credit students.

The Workshop will be of value to all who are interested in evaluating and improving their elementary social studies programs. Emphasis will be placed on the identification and development of basic concepts in history and geography, use of graphic aids and devices, and the use of local resources.

Tentative topics will include:

Basic Concepts to be Developed Through Elementary Social Studies

Techniques for Developing Basic Concepts in Elementary Social Studies

Use of Graphic Aids and Devices

Use of State and Local Resources

Ballads and Folk Songs of Pennsylvania

Use of Children's Literature in Teaching Elementary Social Studies

Attendance at the workshop can be on a non-credit or 1-credit basis for an \$11.00 fee. For further information address the Dean of Instruction, Director of Summer Sessions, State College, Indiana, Pennsylvania.

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.

Music Theory Workshops

3 or 4 cr.

The Theory I and II Workshop includes the hearing, playing and writing of the primary harmonies in all inversions using the chorale style of harmonization; the dictation of melodies and notation of concomitant harmonies; the study of the phrase and period through the melodies harmonized; secondary triads and seventh chords, mastery of the circle of fifths, modulation to related keys. Harmonization of melodies in the piano style is begun. Writing of original melodies is introduced. The double-period and phrase group serve as the units for analysis.

The Theory III and IV Workshop 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; studies of the higher rondo, sonatina and sonata-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 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 111 - Drawing and Composition **2 cr.**

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

Art 113 - Elementary Color and Design **2 cr.**

Basic experiences in the functional use of color are given: Color theories are studied. The elements and principles of design are developed from two and three dimensional designing.

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

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

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.

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 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 120 - Mechanical Drawing**2 cr.**

This course in drawing with instruments includes experiences in geometrical construction, shape and size description, instrumental and pictorial drawing and blue printing.

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.

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 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 tool.

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 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 312 - Aesthetics 2 cr.

The philosophical bases of art expression provide a foundation for the understanding of universal concepts in an inquiry into the higher values and functions of art related to society and to the individual.

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 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 316 - Art In Secondary Education 2 cr.

The philosophy of art education is applied to secondary education to determine the goals of junior-senior high school art. Relationship of the adolescent to his creative products is analyzed to help the prospective art teacher to identify himself with the problems of his students.

Art 317 - Theater Art 3 cr.

Color and design are used to solve problems in school and professional dramas and pageantry. Theory and practice in the design and painting of scenery, lighting, costume and properties are basic experiences.

Art 318 - Industrial Design 3 cr.

Industrial design provides for the student creative experience in product design out of which should develop an understanding of the concept, "form follows function" and an appreciation of the contribution of the industrial designer to a machine age.

Art 330 - Arts and Crafts for Mentally Retarded 3 cr.

The arts and crafts in different materials and processes are studied with a view toward providing experience for teachers of special education. This is an attempt to develop a creative and resourceful use of art and crafts materials and an understanding of their part in helping children to grow.

Art 412 - Graphic Media 2 cr.

Techniques of graphic expression are etching, lithography, block printing, photography, engraving and silk screen printing.

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-

dling 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. 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. 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. 261 - Shorthand I **3 cr.**

This is an introductory course in the basic principles of Gregg Shorthand Simplified.

Bus. 262 - Shorthand II **3 cr.**

There are three major objectives for this course: to review and strengthen the student's knowledge of the principles of Gregg Shorthand Simplified, to build shorthand-writing speed and to build transcription skill.

Bus. 311 - Problems in Business Education **3 cr.**

In this course are outlined the purposes of secondary business education: the curriculum and its development; guidance, placement, and follow-up; administration of the business department; physical layout, equipment, and supplies; and trends in business education.

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. 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. 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 AND PSYCHOLOGY 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:

Ed. 202 - History and Philosophy of American Education**3 cr.**

This course is designed to promote a clearer understanding of modern educational practice through a study of historical changes in instructional process and ideas underlying it. Through the emphasis placed upon the study of educational beliefs and points of view, the course seeks to foster critical thinking which will lead to better judgments about the role of the school in our social culture, the meaning of democracy, the teacher and his profession, and the objectives and methods of the school.

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. 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. 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.

Ed. 362 - Developmental Reading**3 cr.**

Developmental reading is the process, continuous and progressive, that develops, refines, and puts to use the interrelated skills and abilities that are needed if one seeks to communicate through printed language. It is an ongoing process in which one goes from skill to skill, power to power as one advances to higher and higher levels of maturity. This course surveys the various aspects of developmental reading including corrective, remedial, personal, and oral phases of the process and the place of each in the total program.

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. 302 - 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. 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 1960 Indiana State College will offer for the tenth 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 College, Indiana, Pennsylvania. Prerequisite: 6 hours of psychology.

SPEECH AND HEARING HANDICAPPED**SpH. 111 - Phonetics for Clinicians 3 cr.**

This course provides background in English speech sound classification systems; translation and transcription using the International Phonetic Alphabet system; and clinical applications of phonetics, including phonetic analyses, speech sound discrimination tests, auditory memory span tests, diadochokinetic tests, and research findings in experimental, acoustic, and motor phonetics that apply to clinical problems. Projects will be stressed.

SpH. 211 - Hearing Problems 3 cr.

This course is essentially an introduction to audiology. It includes a brief history of audiology, anatomy of the aural mechanism.

causes of hearing loss, speech and other behavioral effects of different types of hearing losses, pure tone and speech audiometric tests, public school audiometry, educational considerations for the hearing handicapped child, and hearing conservation programs.

SpH. 251 - Anatomy and Physiology of the Speech and Hearing Mechanism 3 cr.

This course will consider the muscular, skeletal, and neural contributions to respiration, phonation, resonance, articulation and audition. Elementary neurological concepts will be studied.

SpH. 322 - Speech and Hearing Clinic I 3 cr.

This course offers the student elementary practicum in clinical methods of diagnosis and therapy. Practice is given in the use of clinical instruments, lesson planning, case reports and histories, and treatment in both individual and group classes. Prerequisites: All required background courses in Group 1-2.

SpH. 353 - Speech and Hearing Clinic II 3 cr.

This course provides advanced practicum with children presenting more severe speech and hearing problems. The student is expected to assume greater responsibility and self-direction, even though he will be supervised. Prerequisites: Speech and Hearing Clinic I; Speech Pathology or Stuttering.

MENTALLY RETARDED

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. 320 - Psychology of Mentally Retarded Children 3 cr.

This course will point-up the importance of viewing the retarded child as a living, adjusting individual who responds to many kinds of situations and who is capable of far more than usually imagined. The importance of the way in which he adjusts as especially relevant to the nature and manifestation of his retardation

will be stressed. An attempt will be made to promote an understanding of all of the factors that influence his development and adjustment. To do this it will be necessary to explore the forces that operate within and upon him and the dynamic way in which he attempts to resolve them.

Ed. 420 - Teaching Mentally Retarded Children 3 cr.

This course will consider the basic design, philosophy, and procedure developed for teaching mentally retarded children. Emphasis will be placed upon how to organize for teaching the mentally retarded child, how to guide the activities of the mentally retarded child, and how to teach the "fundamental processes" to the mentally retarded child.

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.

TENTATIVE PROGRAM FOR SUMMER SESSIONS 1960 —
Pre and Post Session Classes meet from 8:00-9:30 and 10:30-12

	PRE-SESSION June 6—June 24	Begins June 27 7:45 - 9:10 a.m.
Art	Art 111 Drawing & Composition Art 114 Costume Design Art 116 Crafts in El. School Art 213 Modeling El 213 Art in Elem. Grades El 214 Tchg. Art in Elem. Gr. Art 218 Pottery	Art 113 El. Col & Design (2 cr.) Art 118 Drawing & Lettering Art 313 Art in Elem. Ed. (2 cr.)
Business	Bus 311 Probs. in Bus. Ed.	Bus 212 Bus. Math. II Bus 261 Shorthand I Bus 262 Shorthand II Bus 335 Cler. Off. Pract.
Education	Psy 201 General Psychology Ed 202 Hist. & Phil. Am. Ed. Psy 220 Intro. to Except. Child Ed 301 Audio Visual Ed. Ed 301 Audio Visual Ed. Psy 302 Educ. Psychology SpH 111 Phon. for Clinicians Psy 451 Psychological Practicum	Ed 202 Hist. & Phil. Am. Ed. Psy 302 Educ. Psychology Ed 301 Audio Visual Ed. Ed 251 Fund. of Guidance Psy 220 Intro. Except. Child SpH 211 Hearing Problems
Elementary Education	Ed 355 School & Community Psy 215 Child Development El 411 Tchg. Soc. St. & Geog. El 460 Elem. Wrkshop (Soc. St. & Geog. (June 13-17))	El 352 Diag. & Rem. Reading Ed 356 Guid. in Elem. Sch.
English	Drama Workshop EngS 101 Communication Ia* EngS 101 Communication Ia* EngS 201 Literature I EngS 201 Literature I EngS 202 Literature II EngS 363 English Philology EngS 376 TV in Education SpH 252 Speech Dev. & Imp.	Drama Workshop EngS 101 Communication I ... EngS 101 Communication I ... EngS 101 Communication I ... EngS 201 Literature I EngS 102 Communication II ... EngS 102 Communication II ...
Foreign Language		Fr 253 French - Special Projs.
Geography	Geog 101 World Geography Geog 360 Geog. Latin America Ed 451 Tchg. Geog. in Sec. Sch.	Geog 101 World Geography
Health	El 314 Tchg. Health & Phys. Ed. HPe 251 Gen. Safety Ed.	HPE 253 Meth. & Mats. in Safety Educ
Home Economics	HE 403 Home & Family Living HE 417 Clothing III PSN 402 Nutrition & Com Health	PSN 403 Family Case Work (2 cr.) HE 413 Consumer Economics
Keith		Elementary Student Teaching Secondary Student Teaching
Mathematics	Math 111 Fund. of Math. Ed 451 Tchg. Math. in Sec. Sch.	Math. 253 Adv. Col. Algebra
Music	Mus 101 Intro. to Music Mus 311 Music History I	Music Theory Workshop (The) Mus 101 Intro. to Music Mus 411 Meth. III (Instru.) Private Sessions in Voice
Public School Nurses	PSN 402 Nut. & Com. Health Psy 302 Educ. Psychology Ed 301 Audio Visual Ed.	High School Summer
Science	Sci 101 Basic Bio. Science Sci 101 Basic Bio. Science Sci 102 Basic Phys. Science Sci 102 Basic Phys. Science Sci 173 Inorg. Chem. (Home Ec) El 311 Sci. for Elem. Cr. Sci 379 Industrial Chem.	PSN 403 Family Case Wk. (2 cr.) Ed 202 Hist. Phil. Am. Ed. EngS 201 Literature I (Other courses or combination) Sci 171 Inorg. Chemistry I ... Sci 172 Inorg. Chemistry II ... Sci 181 Physics I Sci 182 Physics II El 312 Tchg. Elem. Sci. Sci 273 Qual. Analysis Sci 274 Quant. Analysis
Social Studies	SS 201 Hist. of Civ. I SS 202 Hist. of Civ. II SS 301 Hist. U. S. & Pa. I SS 401 American Government SS 410 Anthropology	SS 202 Hist. of Civ. II SS 302 Hist. U. S. & Pa. II Ed 451 Tchg. Soc. Studies in Secondary School

* Students who schedule Communication Ia in the Pre-Session must schedule Communication I in the Post-Session. It should be noted that a complete program of courses is being offered in two areas of Special Education.

DIANA STATE COLLEGE — INDIANA, PENNSYLVANIA

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

MAIN SESSION 9:20 - 10:45 a.m.	Ends August 5 10:55 - 12:20 p.m.	POST - SESSION August 8—August 26
t 101 Introduction to Art t 212 Art History (2 cr.) t 216 Industrial Design t 317 Theater Arts	Art 112 Adv. Col. & Design (2 cr.) Art 129 Mechanical Drawing El 213 Art in Elem. Grades El 214 Tchg. Art in Elem. Grades Art 316 Art in S. C. Ed. (2 cr.) Art 112 Graphic Media (2 cr.)	Art 101 Introduction to Art Art 115 Survey of Art Art 116 Crafts in Elem. Sch. El 214 Tchg. Art in Elem. Gr. Art 312 Aesthetics Art 330 Art & Cr. (Sp. Ed.-Men. H.)
s 131 Typing I (2 cr.) s 232 Typing II (2 cr.) s 271 Typing III (2 cr.) s 111 Bus. Math. I s 312 Meth. Tchg. Bus. Crs. p. for HS Students (no cr.) s 433 Retail Selling III	Bus 352 Accounting III Bus 351 Tax Accounting Bus 221 Accounting I Bus 251 Accounting II (Stores)..... (6 cr.)	Bus 353 Accounting IV Bus 155 Accounting V
y 201 General Psychology y 302 Educ. Psychology y 301 Audio Visual Ed. y 320 Psy. Mentally Retard. H 322, 333 Speech & Hearing	Ed 312 Prob. of Sec. Ed. Psy 352 Mental Hygiene Ed 301 Audio Visual Ed. Ed 362 Dev. Reading Clinic I, II (3 or 6 cr.) Ed 420 Tchg. Ment. Retarded	Psy 201 General Psychology Psy 302 Educ. Psychology Ed 301 Audio Visual Ed. SpH Anat. & Phys. of Sp. & Hearing Mech.
August 19		
351 Creat. Act. in El. Sch.	El 413 Tchg. of Language (6 cr.)	El 221 Children's Lit.
..... (5 cr.) (5 cr.) (5 cr.)	EngS 256 Modern Drama (5 cr.)	EngS 101 Communication Ib* EngS 101 Communication Ib* EngS 201 Literature I EngS 201 Literature I EngS 202 Literature II EngS 202 Literature II EngS 281 Phon. & Voice
gS 101 Communication I (5 cr.) (5 cr.)	Sp 253 Spanish-Spec. Projs.	
gs 101 Communication I gS 102 Communication II gS 102 Communication II	Geog 102 Geog. U. S. & Pa. Geog 352 Cons. Nat. Resources	Geog. 103 Earth & Space Science Geog 361 Geog. U. S. & Can. Geog. 359 Geog. of Far East
gS 357 Shakespeare	HPe 252 Driver Education	HPe 102 Phys. Ed. I (1 cr. aft'n'n) HPe 203 Phys. Ed. II (1 cr. aft'n'n)
og 151 Econ. Geography og 251 Climatology	HE 403 Home & Family Living HE 314 Tex. & Cloth. Econ.	HE 403 Home & Family Living
e 254 Org. Ed & Adm. Safety e 204 Phys. Ed. III (1 cr.) (6 crs.) (6 crs.)	
411 Family Relations 451 Clinic in Home Ec. Ed.	Math 111 Fund. of Math. (4 cr.) ry III & IV) (3 cr.) Mus 101 Intro. to Music Mus 415 Orchestration Mus 353 Counterpoint	Math 254 Math. of Finance
nic nic (5 cr.) Ed 301 Audio Visual Ed. SS 251 Prin. of Sociology Public School Nurses (First 4 wks., 1 cr.) (S-cond 4 wks., 4 cr.) (First 4 wks., 4 cr.) (S-cond 4 wks., 4 cr.) Sci 353 Field Zoology (First 3 wks., 3 cr.) (S-cond 3 wks., 3 cr.) Sci 102 Basic Phys. Science	Mus 101 Intro. to Music Mus 312 Music History II
th 375 Modern Mathematics	SS 251 Prin. of Sociology Public School Nurses	PSN 301 Public School Nursing (2 wks., 2 cr.) Psy 302 Educ. Psychology
I and II) sic Theory Workshop (Theo 211 Music for El. Grades (1 cr.) al Music Workshop (1-3 cr.) nd June 17 to July 16)	Sci 101 Basic Bio. Science Sci 102 Basic Phys. Science Sci 277 Organic Bio. Chemistry	
gS 101 Communication I 302 Hist. U. S. & Pa. II 202 Hist. of Civ. II courses also are available to	SS 251 Prin. of Sociology (First 4 wks., 1 cr.) (S-cond 4 wks., 4 cr.) (First 4 wks., 4 cr.) (S-cond 4 wks., 4 cr.) Sci 353 Field Zoology (First 3 wks., 3 cr.) (S-cond 3 wks., 3 cr.) Sci 102 Basic Phys. Science	
101 Basic Bio. Science 111 Sci. in Mod. Civ.	SS 251 Prin. of Sociology SS 351 Cont. Soc. Prob. SS 354 International Rel. SS 401 American Government	SS 202 Hist. of Civ. II SS 252 Prin. of Economics SS 302 Hist. U. S. & Pa. II SS 361 Industrial Rel. SS 401 American Government SS 402 Intro. to Philosophy
202 Hist. of Civ. II 302 Hist. U. S. & Pa. II 401 American Government 402 Intro. to Philosophy		

in the Post-Session. These students may schedule Communication II in the Main Session. Education — Speech and Hearing Handicapped and the Mentally Retarded.

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.

Ed. 356 - Guidance in Elementary Schools **3 cr.**

This course is designed to give the student an initial understanding of the guidance of young children. Study and discussion center around the child himself — his characteristics, needs, problems, motives, and relations with others — and around the techniques and procedures for identifying, studying, and giving help to children in respects to these facets of personality.

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.

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 ninth 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.

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. 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. 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. - 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. 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. 363 - English Philology**3 cr.**

This course begins with a study of the history of the English language, its place among world languages, and factors affecting present day differences in modern American English usage. Training is given in language analysis through the methods of structural linguistics. Each Semester. Required of all English majors and minors.

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. 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.

FOREIGN LANGUAGE DEPARTMENT

Two courses will be offered by the Foreign Language Department during the main session of 1960. They are French 253 Special Projects and Spanish 253 Special Projects.

Fr. 253 - Special Projects **3 cr.**

During the summer of 1960 this course, designed to meet the needs of students presenting a minimum of one year of language at the college level (two in high school), will deal with the modern stage in France. Due consideration will be given to the social and cultural factors underlying the development of this recent theater. Advanced students will be assigned related outside readings and reports.

Sp. 253 - Special Projects **3 cr.**

During the summer of 1960 this course, designed to meet the needs of students presenting a minimum of one year of language at the college level (two in high school), will deal with the modern stage in Spain. Due consideration will be given to the social and cultural factors underlying the development of this recent theater. Advanced students will be assigned related outside readings and reports.

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 adjust-

ment 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. 103 - Earth and Space Science 3 cr.

Spatial relationships in the universe, origin of the earth, and structure and composition of land masses, the nature of the oceans, the face of the land and of the surface waters, the activities of the atmosphere: these are the topics covered in this survey course designed to give the non-geography major an introduction to the natural environment wherein he will live.

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. 251 - Climatology 3 cr.

This course is primarily concerned with the climatic regions of the earth, and the limitations and advantages they offer for man's occupancy. This course is a valuable aid to students of World Problems.

Geog. 352 - Conservation Workshop 3 cr.

Conservation of resources requires action on the part of the citizen. Why action is necessary and how it can be implemented is of major concern to this study of conservation problems of land, water, plant, animal, and human resources.

Geog. 359 - Geography of the Far East 3 cr.

This course includes a study of India, Japan, China, the Philippines, Southeastern Asia and the East Indies and involves an intensive investigation of the natural factors and man's adjustment to

them in the geographic, economic and political regions of Eastern Asia. The geographic background needed in planning solutions for raising standards of living, for the wise use and restoration of natural resources and the industrialization of countries is presented.

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. 361 - Geography of the United States and Canada 3 cr.

This course is a regional study of the United States and Canada, concerned with the investigation of man's adjustment to his environment as determined by the physical factors of climate, vegetation, relief, soils and natural resources. Recognition of political adjustments to the geographic environment and the inter-relationships between the two countries and the rest of the world are stressed.

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.

HPe 204 - Physical Education III **1 cr.**

This course will provide for greater specialization in selected activities to bring personal performance ability to advanced levels. "The equivalent of the American Red Cross Standard First Aid Course will be included in this course."

EI. 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 253 - Methods and Materials in Safety Education
in the Secondary Schools** **3 cr.**

Methods and Materials in Safety Education in the Secondary Schools is a course that emphasizes the use of correlating and inte-

grating safety with many different subjects and school activities, teaching as a separate subject and centering safety education around pupil organizations and special projects.

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. 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.

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.

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.

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 27. Applications must be filed by May 1 to assure enough opportunities for all who desire to do their student teaching this summer.

MATHEMATICS DEPARTMENT

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.

Math. 254 - Mathematics of Finance **3 cr.**

The primary purpose of this course is to give the student a background for teaching general and consumer mathematics. The course introduces a student to the elementary theory of simple and compound interest, and leads to the solution of practical problems in annuities, sinking funds, amortization, depreciation, stocks and bonds, installment buying, and building and loan associations. It also includes the theory of probability as related to life insurance, the theory and calculation of mortality tables, various types of life annuities and insurance policies.

Math. 375 - Modern Mathematics**3 cr.**

This course involves a study and discussion of recent developments in mathematics including the concept of number operations with sets, limits, functions, and topology. The course provides reference material for both the content and spirit of modern mathematics. Special emphasis will be placed upon the new concepts recommended for secondary school mathematics and should be of value for both teachers in service and those preparing to teach mathematics.

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.

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 III (Instrumental) **3 hours—2 cr.**

This course is designed to give the student the necessary understanding, techniques and materials to develop an effective instrumental program in the public schools. Demonstrations and laboratory work are designed to give the student the competency needed to meet successfully the various teaching situations in instrumental music from the grades through high school.

Mus. 353 - Counterpoint **3 hours—2 cr.**

This course consists of study and analysis of representative works of the great polyphonic writers from the 16th to the 18th centuries. Original work in these styles and forms is also required. Prerequisite: Theory IV.

El. 211 - Music for Elementary Grades **3 cr.**

The content of this required course for all Elementary Students includes the following: review of music fundamentals, keyboard knowledge, the teacher's voice, care and development of the child voice, problems of the non-singer, rhythmic activities including the

rhythm band, listening lessons, creative activities, note to note process, special days, lesson plans. Observation of music classes in Laboratory School to get practical application of classroom discussions. Emphasis is placed on grades one, two, and three.

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

See page 10 for description.

Music - Theory Workshops **4 or 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 24 and 25 for course offerings and pages 17 to 42 for various course descriptions in these fields.

PSN 301 - Public School Nursing **(2 wks.) 2 cr.**

The general purpose of this course is to provide the public school nurse an opportunity to understand and appreciate the historical development, the fundamental principles and the present trends in public health nursing in a democratic and industrial society. Emphasis will be placed on the integration of public health nursing in our schools.

PSN 402 - Nutrition and Community Health **3 cr.**

A study is made of the nutritional problems of family members from infant to aged people of the community. Emphasis is placed on recognizing good nutritional status and ways of guiding families toward better nutrition. School lunch is also emphasized. The course is designed to help the public school nurse and teachers.

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.

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. 363 - Field Zoology **3 cr.**

Field zoology is a course in the study of animals in the field; the collection of such forms, and the preparation and utilization of them for class instruction. Students are required to make collections for their future use in teaching situations. Two hours lecture and three hours laboratory per week. Field trips are required.

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

Chemistry I includes the study of non-metals, gas laws, valance, grammolecular 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 Physics 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.

Sci. 273 - Qualitative Analysis **3 cr.**

A study of chemical properties of certain elements and various ionic chemical equilibria involved in their reactions. The student achieves understanding of these principles through solution of selected problems and carefully arranged experimental work, including the identification of unknown ions. Many useful skills and techniques are acquired during the course of laboratory work. Two hours lecture and four hours laboratory per week. First semester, odd years. Prerequisite: Inorganic Chemistry.

Sci. 274 - Quantitative Analysis **3 cr.**

This course gives introductory training in the theory and practice of gravimetric, volumetric, colorimetric, and electrolytic separations and calculations on a quantitative basis. Students will visit commercial and control laboratories employing quantitative techniques. Two hours lecture and four hours laboratory per week. Second semester, odd years. Prerequisite: Qualitative Analysis.

Sci. 379 - Industrial Chemistry **3 cr.**

This course is a study of the applications of chemistry and science to the industries of Western Pennsylvania for the science teacher. Field trips to representative industries will constitute the laboratory work and serve as a basis for discussion. Two hours lecture and three hours laboratory per week. Prerequisite: Inorganic Chemistry I and II.

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 deals with the planning and presentation of material suitable for 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 govern-

ment 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 interrelationships of those studies seeking to record and explain man's social behavior in the modern world. Problems of social organization, the attendant efforts to direct and control such change, and the parts of the course.

SS. 252 - Principles of Economics 3 cr.

A course in which a study is made of the major problems in the field of economics: production, exchange, distribution, and consumption.

sumption. 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. 353 - Industrial Relations **3 cr.**

A study of the problems involved in the relations between the workers and management in dynamic industrial society, and the economic aspects of the solutions of these problems proposed or attempted by labor, management, and the government.

SS. 357 - International Relations **3 cr.**

This course gives consideration to the origin and growth of international law and the development of international organization. An analysis is made of the structure and functions of the United Nations. Emphasis is placed on the role of the United Nations in contemporary world affairs.

SS. 410 - Introduction to Anthropology **3 cr.**

Anthropology attempts to bring the student a comprehensive view of man's biological and cultural heritage. His similarities and variations, both physiological and social, are studied as a continuity, from the earliest evidence supplied by archeology, to detailed studies of primitive societies in our own times. The predictability of future changes in ethnological phenomena is also considered.

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

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 6 for the pre-session, June 27 for the regular session, and August 8 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 Dean of Instruction 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 \$7.00 and \$3.50 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 6, regular session, Monday, June 27, and post-session, Monday, August 8, 1960.

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. 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.

Dr. R. W. Cordier
Director, Summer Sessions
State College
Indiana, Pennsylvania

Dear Sir:

I plan to register for the following courses in the 1960 Summer School:

Pre-Session

Main-Session

.....

(Two three credit courses constitute a normal load)

First Period

Second Period

Third Period

Post-Session

I desire on-campus housing () Yes () No

Board () Yes () No

Please return this form by May 1, if possible.

Name

Address

.....

