1968 SUMMER SESSION CALENDAR

Pre-Registration (Graduate and Undergraduate Courses)
May 6-24 (Monday-Friday) 9:00 A.M.-12:00 Noon, 1:00 P.M.-4:00 P.M.
Tuesdays and Thursdays, 6:00 P.M.-7:30 P.M.

Graduate Program advisers are available by appointment only during the pre-registration period

Mail Registration

*May 13-22 Undergraduate courses only

Registration and Advisement (Graduate courses)
June 14 (Friday) — 5:00 P.M.- 8:00 P.M. For matriculated students and students applying for matriculation to a graduate program at Trenton State College
June 15 (Saturday) — 9:00 A.M.-12:00 Noon
June 17 (Monday) — 9:00 A.M.-12:00 Noon 1:00 P.M.- 4:00 P.M.
June 18 (Tuesday) — 6:00 P.M.- 8:00 P.M. For students not enrolled in a graduate program at Trenton State College

Registration (Undergraduate courses)
June 15 (Saturday) 9:00 A.M.-12:00 Noon
June 17 (Monday) 9:00 A.M.-12:00 Noon 1:00 P.M.- 4:00 P.M.
June 18 (Tuesday) 6:00 P.M.- 8:00 P.M.

**June 19, 20, 21, 24 Late registration and program changes; $5.00 fee applies
June 19, 20, 21, 24

June 24 Classes begin
July 4 Holiday—no class sessions
July 6 Saturday classes will be held
July 10 Evening classes will be held
July 15-July 26 Pre-Registration for fall undergraduate and graduate courses offered by the Field Services Division
August 2 Last day of classes for the regular session

*Mail registration completed incorrectly or received after May 22 will be returned.

**Course changes may be made only during this period.

INFORMATION IN THIS BULLETIN IS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE
MEMBERS OF THE NEW JERSEY BOARD OF HIGHER EDUCATION

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Dr. William O. Baker
Mr. Charles J. Brower
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Mr. George F. Smith
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CHANCELLOR FOR HIGHER EDUCATION

Mr. Ralph A. Dungan
MEMBERS OF THE TRENTON STATE
COLLEGE BOARD OF TRUSTEES

<table>
<thead>
<tr>
<th>Member</th>
<th>Address</th>
<th>Term Expires</th>
</tr>
</thead>
<tbody>
<tr>
<td>DR. FREDERICK ROSI, Chairman</td>
<td>Princeton</td>
<td>1968</td>
</tr>
<tr>
<td>MR. THOMAS BOWEN</td>
<td>Salem</td>
<td>1970</td>
</tr>
<tr>
<td>MR. CHARLES E. FARRINGTON,</td>
<td>Princeton</td>
<td>1970</td>
</tr>
<tr>
<td>Vice Chairman</td>
<td>Somerville</td>
<td>1968</td>
</tr>
<tr>
<td>MRS. EVELYN FIELD</td>
<td>Blairstown</td>
<td>1969</td>
</tr>
<tr>
<td>MR. JAMES HOWARD</td>
<td>Cinnaminson</td>
<td>1973</td>
</tr>
<tr>
<td>MR. MARTIN MARGOLIT</td>
<td>Princeton</td>
<td>1971</td>
</tr>
<tr>
<td>MR. MINOT MORGAN</td>
<td>Moorestown</td>
<td>1972</td>
</tr>
<tr>
<td>MR. DAVID TAYLOR</td>
<td>Stockton</td>
<td>1969</td>
</tr>
<tr>
<td>DR. LEONORE VAUGHN-EAMES</td>
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</tbody>
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COLLEGE ADMINISTRATION

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
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<tbody>
<tr>
<td>VIRGIL W. GILLENWATER</td>
<td>President</td>
</tr>
<tr>
<td>JAMES J. FORCINA</td>
<td>Dean of Instruction</td>
</tr>
<tr>
<td>M. WILTON PRUITT</td>
<td>Dean, Student Personnel Services</td>
</tr>
<tr>
<td>CLAYTON R. BROWER</td>
<td>Coordinator of Administrative Services</td>
</tr>
<tr>
<td>WADE C. CURRY</td>
<td>Associate Dean of Instruction</td>
</tr>
<tr>
<td>DOROTHY G. PETERSEN</td>
<td>Chairman, Graduate Study</td>
</tr>
<tr>
<td>LEO L. MANN</td>
<td>Director, Field Services</td>
</tr>
<tr>
<td>BERNARD A. REED</td>
<td>Director of Admissions</td>
</tr>
<tr>
<td>PAUL H. ANDERSON</td>
<td>Registrar</td>
</tr>
<tr>
<td>MICHAEL S. KLINE</td>
<td>Director, Student Teaching and Placement</td>
</tr>
<tr>
<td>THOMAS R. KINTER</td>
<td>Business Manager</td>
</tr>
<tr>
<td>LEON J. DURKIN</td>
<td>Coordinating Principal, William Antheil School</td>
</tr>
<tr>
<td>ERNEST E. RYDELL</td>
<td>Public Information Officer</td>
</tr>
<tr>
<td>HOWARD A. BUESCHEL</td>
<td>Coordinator of Alumni Affairs</td>
</tr>
</tbody>
</table>

SUMMER SESSION STAFF

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEO L. MANN</td>
<td>Director</td>
</tr>
<tr>
<td>DONN R. HERRING</td>
<td>Assistant Director</td>
</tr>
<tr>
<td>CARL A. KREDATUS</td>
<td>Assistant Director</td>
</tr>
<tr>
<td>SIDNEY O. MURDOCK</td>
<td>Assistant Director</td>
</tr>
<tr>
<td>EDITH G. GARRISON</td>
<td>Academic Counselor</td>
</tr>
<tr>
<td>HENRY H. MATELSON</td>
<td>Academic Counselor</td>
</tr>
<tr>
<td>ELLA MELVILLE</td>
<td>Academic Counselor</td>
</tr>
</tbody>
</table>
Trenton State College is an accredited coeducational institution which is outstanding in the combination of location and educational advantages it offers. Located on a two-hundred-acre campus in suburban Ewing Township, the college is four miles north of Trenton, the capital of New Jersey. The convenience of major highways and public transportation is available, but the rambling, wooded campus with its two lakes, provides a rustic country setting for a college community.

Its proximity to the metropolitan areas of Philadelphia and New York; historic Bucks County, Pennsylvania; and the varied attractions of the greater Delaware Valley; provides students and faculty with a wealth of cultural opportunities. Recreational facilities nearby include picturesque Washington's Crossing State Park, two public golf courses, a county ski area, and the famed Jersey shore, only an hour's drive across the Garden State.

The college is located on Route 31 (Pennington Road). Highways leading into the area include Route 206 and Route 1, both within five miles of the campus. Bus service on Pennington Road enables students to travel into Trenton easily where connections can be made on the main line of the Pennsylvania Railroad or with bus transportation serving many sections of the state. Mercer County Airport is located within a five-minute drive of the campus.

HISTORY OF THE COLLEGE

From 1839 to 1855 eight normal schools were established in Massachusetts, New York, Connecticut, Rhode Island, and Michigan. Trenton State College was established as the New Jersey State Normal and Model School by legislative act in 1855, thus making it the ninth to be founded in the nation.

Established as part of the state school system to furnish well-prepared teachers, the original normal and model school was situated on North Clinton Avenue in Trenton.

Throughout the nineteenth century, Trenton prepared students for elementary school teaching, but specialized curricula in physical education, industrial arts, music, and commercial subjects were organized early in the twentieth century. A program to educate secondary teachers was offered in 1925 when the college was authorized to grant the Bachelor of Science Degree. The first B.S. degree was granted in 1926 and in 1929 elementary and kindergarten-primary majors could pursue a fourth year leading to this degree.

Several changes in name have taken place, beginning in 1929 with State Teachers College and Normal School at Trenton. In 1937 the name was changed to New Jersey State Teachers College at Trenton, then Trenton State Teachers College, and in 1958 it became Trenton State College.

A most significant milestone in the 113-year history of the college occurred between 1930 and 1936 when it was moved to the present Hillwood Lakes campus in Ewing Township. Colonial Style buildings constructed during that period included five residence halls, Green Hall, Kendall Hall, the Library, the Physical Education Building, and the power house.

With increased emphasis on advanced education for teachers, the college offered its first masters degree in 1951. As additional undergraduate programs were added to the curriculum, the graduate offerings expanded and a Master of Arts degree was authorized.

Centennial Hall, a residence for women, and Phelps Hall, a food service facility, were dedicated in 1955. A reorganization of the under-
graduate curriculum was authorized in 1956 and the college began granting the Bachelor of Arts degree instead of the B.S. in 1960. This marked the advent of an expansion of facilities that has enabled the college to triple its full-time enrollment to approximately 3,700. The college also enrolls more than 5,000 students in the evening in courses on campus and at several off-campus locations.

With teacher education continuing as the focus, the college recognizes the great need for personnel in other professions and the desire of some students for a liberal arts education. Therefore, in 1965 this college was authorized to offer a baccalaureate degree in nursing and in the liberal arts. Freshmen entered these academic programs for the first time in September, 1966.

CAMPUS BUILDINGS

GREEN HALL is the administration building with offices on the first floor for the President, the Deans, Student Personnel Services, Admissions, Registrar, Field Services, Graduate Study, Public Information, and Student Teaching and Placement. The Business Office, Traffic Office, a Data Processing Center, and the College Bookstore, art studios, and offices for the departments of art, nursing, and special education are located on the basement level. General classrooms, business education laboratories, offices for the departments of education, business education, distributive education, and the Alumni Affairs Office occupy the third floor of Green Hall.

KENDALL HALL, recently redecorated and refurnished with 1,000 comfortable seats, provides the largest auditorium on the campus. To the right of the large auditorium is a small auditorium which is used for classes, workshops, and programs. Offices and classrooms for the speech department are housed in this building and construction has begun on a new studio for WTSR-FM, making this facility the campus center for cultural programs, many of which are available to the community.

PACKER HALL accommodates the health and physical education department while also serving as the facility for varsity and intramural athletics. A new gymnasium with seating for 1,600 can be divided for classes, but an older gym also is available as a teaching station. The college pool is located on the north side of the building which also houses a modern dance studio, a physical training room, classrooms, locker rooms, and offices.

ARMSTRONG HALL is one of the most complete industrial education facilities in the East. Laboratories and classrooms provide opportunities for students to learn graphic arts, power mechanics, general crafts, electronics, design, and wood crafts among other subjects. This building currently houses the College Press and the technical equipment for WTSR-FM, the campus radio station which broadcasts to the community.

PHELPS HALL, constructed in 1955, is a food service building which provides the largest dining room on campus with seating available for 800 if needed. At the rear of this building is a faculty lounge and faculty dining room in addition to three private dining rooms that are used for banquets. Alumni Lounge, on the south side, is used as an art gallery and for special meetings.

Two wings on the building provide a snack bar, rooms for student government and student publications, and offices for the counseling staff and residence programs.

THE HUB, along with Phelps Hall, serves as The College Union. Formerly a building for the industrial arts department, this student center is designed to provide out-of-class activities for the students' personal, social, and cultural development. Facilities in THE HUB include lounges, recreation areas, seminar rooms, snack area, a game room equipped for ping-pong, shuffleboard, billiards, and a TV area. THE HUB, which was converted and equipped by students and faculty, also houses offices for student activities, college union personnel, and the calendar office.
ALUMNI CHAPEL of modern design was presented to the college by the alumni association in 1960. It serves all students, regardless of denomination, who wish a quiet place for contemplative meditation.

BRAY HALL, in which Music Department activities are centered, was completed in 1963. It features a recital hall, a rehearsal hall, individual practice rooms, classrooms, music library and a record listening room, as well as faculty offices.

The SCIENCE-MATH BUILDING was completed in 1963. A planetarium, a lecture hall, science laboratories and classrooms of various sizes are included in this three-story structure.

A CHILD STUDY AND DEMONSTRATION CENTER, Operation Insight, is located in a frame building overlooking Lake Ceva. This Center was established in 1966 by a successful Ewing Township application for funds from Title III of the Elementary and Secondary Education Act with the cooperation of Mercer County public school systems and Trenton State College. It features a full clinic staff and video-tape recording equipment, serving as a pre-service and in-service training center for teachers.

RESIDENCE HALL facilities for men include Bliss Hall and Ely House. Residence facilities for women include Allen, Brewster, Norworthy, Centennial and Decker Halls. Decker Hall is a six-story structure for 300 women and features lounges, dining rooms and guest rooms. A new residence hall for 300 girls will open in Fall 1967 and a 500-student residence hall with food service and student lounge facilities is being planned.

A FOUR-Story EDUCATIONAL CENTER, featuring three lecture halls, an instructional media center, child study clinic, classrooms of various sizes, seminar rooms and more than 100 faculty offices will be completed in 1969.

THE COLLEGE LIBRARY. The college library is housed in a beautiful building erected in 1931. It was renamed Roscoe L. West Library in June 1957, to honor President West at the time of his retirement and to recognize his special interest in the development of the library.

Under the College Bond Issue of 1959 funds were provided to permit a remodeling of the building to assure the growing institution of sufficient library facilities. This remodeling operation formed the first step in the whole college building program and was completed in February 1961.

In recent years the urgent need for further expansion of the library facilities became evident. In 1966 the State of New Jersey set aside $2,100,000 to finance construction of a large library annex. The annex will triple the present seating capacity to about 1,500 including many individual carrels, and double the stack space to accommodate 300,000 volumes. The entire library complex will be air conditioned. Completion of the annex is expected in 1968-69.

In every sense, the library occupies a central position in the life of the college. The services and facilities of the library are vital for carrying out the aims of the institution. The library serves as a major resource for all college courses and provides the essential literature for graduate work in various areas. For all these reasons, the per capita circulation of books and other reading materials is very high.

Twelve professional librarians and other assistants are ready to help faculty members and students in the use of the total collection of approximately 150,000 volumes. It includes an exceptionally rich and up-to-date reference collection of more than 12,000 volumes in the Horace Mann Room and adjacent John F. Kennedy Room. Systematic efforts have been made in recent years to acquire works of the highest quality in the areas represented in the curriculum and to give Trenton one of the strongest college library collections in the State. The library subscribes to more than a dozen daily newspapers and receives about 1,000
magazines, indexes, and services; there are 12,000 bound periodical volumes. The library maintains a file of pamphlets, clippings, and pictures amounting to approximately 20,000 items. The collection of filmstrips exceeds 800. More than 3,000 carefully selected records in the fields of music, drama, poetry, and foreign languages are available for listening in the library and for outside loan. A high-fidelity record player may be used by individuals and classes in the listening room. The library has several microfilm and microprint readers and provides the New York Times on microfilm beginning with its first issue in 1851.

The library has been the beneficiary of the extraordinary generosity of the late Charles A. Philhower '02, and of his late wife, Alice Edna Haynes Philhower '00. They gave to the library a collection of almost one thousand rare books, primarily on the history of New Jersey, thereby adding greatly to the strength of the special collection in that field which the staff had built up over the years. Thanks to the munificence of Mr. Sol Feinstone of Washington Crossing, Pa., the library is developing a collection of manuscripts and documents on the Revolution of 1776. The library possesses also a collection on the history of American education, containing many old and rare titles.

WIDE RESOURCES

A particular effort is made to acquire the best in children's literature and a representative cross-section of modern elementary and secondary textbooks. In June 1957, the student body established the Roscoe L. West Book Fund, which now amounts to $5,190. This fund is used to acquire works of enduring value; the first three purchases were Arnold J. Toynbee's famous twelve-volume set "A Study of History," Thomas Jefferson's "Papers," and Abraham Lincoln's "Collected Works," in the most recent scholarly editions. Other major acquisitions from the fund include the Variorium edition of Edmund Spenser's writings, the new editions of Alexander Hamilton's and James Madison's Papers, Walt Whitman's "Collected Writings," the Encyclopedia of Philosophy, the revised Encyclopedia of Islam, and several other landmarks in the field of comparative religion. The library has also received many other significant gifts in recent years; e. g., a generous donation from the Student Executive Board in memory of President John F. Kennedy which has been used for major purchases in the field of American history. The Newman Club recently enabled the library to acquire the New Catholic Encyclopedia.

All these resources are accessible to faculty and students during the regular hours; service is given 88½ hours per week. The "open stacks" system is designed to encourage the habit of using books freely. Self-education, lying beyond the limits of classroom teaching and specific assignments, depends largely on the extensive and discriminating reading of thought-provoking books. Today's student who wants to meet current professional demands and to be a leader in his community must be aware of all available library resources and be able to explore them intelligently. With this purpose in mind, the library staff carries out a comprehensive instructional program which introduces students to the effective use of the collection. As a part of Freshman Orientation, several carefully planned meetings with staff members provide a good start for students in developing needed skills in library use. Prior to student teaching, library staff members meet students to instruct them in additional reference tools when needed. Staff members also give lectures to classes whenever instructors request them. A senior member of the staff teaches regularly the course on bibliography and research methods for graduate students. The library pays ever-increasing attention to their specific demands. The bibliographic facilities include, e. g., the catalog of the Library of Congress with its five-year author and subject supplements.

Constant efforts are made to stimulate browsing and to broaden and deepen reading interests. Comfortable places have been arranged in the library for leisurely reading. Displays are frequently changed to arouse interest and supply information on timely topics. The library regularly
issues lists of new accessions and frequently other reading lists, among them comprehensive annotated bibliographies on timely topics.

CURRICULA

Trenton State College offers a four-year curriculum in teacher education leading to the degree of Bachelor of Arts and certification to teach.

The college prepares teachers for kindergarten-primary and elementary school grades; secondary school fields of English, mathematics, science, social studies and speech arts; and for the specialized areas of business education, distributive education, health and physical education, health education, industrial education and technology, music, speech correction, special education of the mentally retarded and of the deaf, and teacher-librarian.

The college also offers Bachelor of Arts degrees to graduates of curricula in nursing and in liberal arts, with majors available in art, English, mathematics, history, and psychology.

Fifth-year programs lead to the degrees of Master of Arts and Master of Arts in Teaching (see the Graduate Bulletin).

STATEMENT OF PURPOSE

Trenton State College is multi-purpose, with responsibility to maintain an educational program that will:

1. Provide a broad general education.
2. Provide functional knowledge of the subject matter in the student's field.
3. Develop personal social qualities in the student which will enable him to fit into the community and exercise a position of leadership.
4. Help the student realize that education is an ongoing process and to encourage his improvement in his profession.
5. Develop, in future teachers, a command of the knowledge of children and skills and techniques in the teaching process.

ACCREDITATION

Trenton State College is fully accredited by the New Jersey State Board of Education, the Middle States Association of Colleges and Secondary Schools and the National Council for Accreditation in Teacher Education.

It holds membership in the American Association of Colleges for Teacher Education, the American Association of University Women, the Association of State Colleges and Universities, the International Council on Education for Teaching, the Middle States Association of Colleges and Secondary Schools, the National Council for Accreditation of Teacher Education, the New Jersey Association of Colleges and Universities, and the One Hundred Year Association of New Jersey, Inc.
GENERAL INFORMATION

ADMISSION

Enrollment in the Summer Session is open to:

1. High school graduates
2. Holders of high school equivalency certificates
3. Students attending other colleges and universities
4. College graduates.

Students interested in registering for graduate courses must first complete Form G500b, Application for Admission to Graduate Study. This form and other information relating to graduate work may be obtained from the Office of Graduate Study.

Enrollment in the Summer Session does not guarantee matriculation for any degree offered by the college.

REGISTRATION

Registration for undergraduate courses may be accomplished either in person at Green Hall or by mail. Registration for graduate courses must be done in person. Registration dates are listed in the front of the catalog. Complete payment of tuition and fees is required at the time of registration.

Students wishing to register by mail should:

a. Detach registration card (X-100) from back of this catalog.

b. Complete both sides of registration card accurately including class number, course number, title, semester hours, time, day, and location. Please include zip code with your address.

c. Enclose check or money order payable to Trenton State College for the exact amount of tuition and fees. Upon receipt of registration card and remittance a class admission card will be mailed to the student. The class admission card must be submitted to the instructor at the first class meeting.

Mail registrations received after the close of the mail registration period will be returned.

d. Mail the registration card to the Summer School Office, Trenton State College, Trenton, New Jersey 08625.

LATE REGISTRATION

Students registering during the late registration period must pay a $5.00 late fee.

CLASS SCHEDULE

June 24 to August 2

Morning classes meet daily Monday through Friday and on Saturday, July 6

<table>
<thead>
<tr>
<th>Period</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>8:30 to 9:50</td>
</tr>
<tr>
<td>2</td>
<td>10:00 to 11:20</td>
</tr>
<tr>
<td>3</td>
<td>11:30 to 12:50</td>
</tr>
</tbody>
</table>

Evening classes meet Monday, Tuesday, and Thursday, and on Wednesday, July 10. Evening class periods normally run from 5:15 to 7:30, 6:00 to 8:45, and 7:45 to 10:00.

Graduate music courses normally meet as follows:

<table>
<thead>
<tr>
<th>Period</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8:30 to 9:20</td>
</tr>
<tr>
<td>2</td>
<td>9:30 to 10:20</td>
</tr>
<tr>
<td>3</td>
<td>10:30 to 11:20</td>
</tr>
<tr>
<td>4</td>
<td>11:30 to 12:20</td>
</tr>
</tbody>
</table>
COURSE PREREQUISITES

Students are not permitted to register for courses unless they have completed the required prerequisites.

COURSE CANCELLATION

The college reserves the right to close registration for courses without previous announcement, to cancel any courses for which there are not sufficient registrations, and to assign or reassign instructors as needed.

COURSE NUMBERING

A course numbering system has been developed for all courses in the various departments and curricula. Courses are numbered in the following manner:

100.—Freshmen  
200.—Sophomore  
300.—Junior  
400.—Senior  
500.—Graduate (or Seniors with permission)  
600.—Graduate Only

Graduate students may make their course selection from courses numbered in the 500 and 600 series only. With written permission of the advisor, graduate students may select a maximum of six semester hours from courses numbered in the 300 and 400 series.

Each department has a code number assigned.

- Art ........................................... 10
- Business Education ..................... 11
- Economics ................................. 12
- Education .................................. 13
- English ..................................... 14
- Geography ................................ 15
- Political Science ......................... 16
- Health and Physical Education ......... 17
- History ..................................... 18
- Industrial Education and Technology .. 19
- Library Science ........................... 20
- Mathematics ............................... 21
- Modern Languages ....................... 22
- Music ....................................... 23
- Philosophy ................................ 24
- Psychology ................................ 25
- Science .................................... 26
- Sociology .................................. 27
- Speech ..................................... 28
- Special Education ......................... 29
- Distributive Education ................. 31
- Interdisciplinary .......................... 50

TUITION AND FEES

The following rates are in effect:

<table>
<thead>
<tr>
<th>New Jersey Residents or Non-Residents Teaching in N. J. ($16.50 per Semester Hour)</th>
<th>Out-of-State Residents ($18.50 per Semester Hour)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Semester Hours</td>
<td>Total Cost (Includes Registration fee of $2.00)</td>
</tr>
<tr>
<td>2</td>
<td>$35.00</td>
</tr>
<tr>
<td>3</td>
<td>51.50</td>
</tr>
<tr>
<td>4</td>
<td>68.00</td>
</tr>
<tr>
<td>5</td>
<td>84.50</td>
</tr>
<tr>
<td>6</td>
<td>101.00</td>
</tr>
</tbody>
</table>
Tuition is computed by multiplying cost per semester hour credit by total number of semester hours and adding the $2.00 registration fee.

Students must make payment of tuition and fees at the time of registration by check, money order or cash. Checks and money orders are to be made payable to Trenton State College.

$5.00 Late registration fee to be paid by students who change courses or register during late registration period.

$60.00 Student teaching fee to be paid by students who register for 413.97, Seminar in Supervised Teaching.

Courses listed as "Private Applied Study" carry a minimum fee of $110.00. This fee covers 15 private lessons with an "Artist-Teacher" for two semester hours credit. Some of these Artist-Teachers listed have an established fee in excess of $110.00. In order to keep the fee consistent with the personal policy of each Artist-Teacher, Private Applied Study will, on occasion, exceed the minimum of $110.00.

WITHDRAWAL FROM COURSES AND REFUND OF TUITION

The following schedule of tuition refunds for withdrawal from Summer School Courses is in effect. Refunds will be computed based on the date the withdrawal request reaches the Summer School Office.

<table>
<thead>
<tr>
<th>Withdrawal Period</th>
<th>Tuition</th>
<th>Service Charges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Withdrawal before Summer Session begins (Before June 24)</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Withdrawal during the first third of Summer Session (Between June 24 and July 6)</td>
<td>60%</td>
<td>60%</td>
</tr>
<tr>
<td>Withdrawal between first third and first half of Summer Session (Between July 6 and July 12)</td>
<td>30%</td>
<td>30%</td>
</tr>
<tr>
<td>Withdrawal during last half of course (From July 15 on)</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

A STUDENT WHO WITHDRAWS FROM A COURSE MUST GIVE WRITTEN NOTICE OF WITHDRAWAL TO THE DIRECTOR OF THE SUMMER SESSION. STUDENTS WHO NEGLECT TO FOLLOW THIS PROCEDURE WILL RECEIVE A FAILING MARK FOR THE COURSE OR COURSES WHICH THEY CEASE TO ATTEND.

CHANGE IN PROGRAM

Changes in courses can be made only during the late registration period. Course changes will be subject to the late registration fee.

ATTENDANCE

Students are presumed to have a seriousness of purpose toward college work and toward their professional objective. They are expected to attend all class sessions of courses for which they are registered.

Absence from class is sometimes unavoidable because of illness, urgent personal reasons, and other conflicts. Such absences are handled on an individual basis.

CREDIT LOAD

Students may carry a maximum of six semester hours credit during the regular summer session. Written permission to enroll for more than six semester hours must be obtained from the Summer Session Office.

Course credit will not be granted for duplication of courses. The responsibility for duplication of courses rests with the student. Concurrent enrollment in colleges and universities in excess of six semester hours may result in loss of course credit.
COURSE AUDITING POLICY

Students desiring to audit courses must first obtain permission from either the Summer School Office or the Graduate Studies Office. Since only a limited number of auditors can be accommodated, only students presenting bona fide reasons will be granted this privilege. Students permitted to audit a course must register and pay the normal tuition and fees. The instructor will be informed by the Summer School Office or the Graduate Studies Office about students in his class who have auditor status. It shall be the prerogative of the instructor to determine the degree of class participation that an auditor may be permitted in his particular class. No credit will be given for courses audited. A student who audits a course will receive a grade report indicating the title of the course and marked (Audit—No Credit). The same information will be posted on the student's permanent record card.

GRADES

Approximately three weeks after the completion of the Summer Session grade reports are issued. The grade report bears the seal of the college and may be forwarded to the County Superintendent of Schools as evidence of completion of certification requirements.

The final grades are reported at the end of the semester by letter symbols:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Equivalent</th>
<th>Audit—No Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
<td>F—No Credit</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
<td>Inc.—Incomplete Work</td>
</tr>
<tr>
<td>C</td>
<td>2.00</td>
<td>WP—Withdrawn, Passing</td>
</tr>
<tr>
<td>D</td>
<td>1.00</td>
<td>WF—Withdrawn, Failing</td>
</tr>
</tbody>
</table>

To convert the “Incomplete” mark to an acceptable letter grade, the student must fulfill course requirements not later than the date stipulated by the instructor, or the grade automatically becomes an F.

A grade point average of 2.00 or “C” is required for graduation.

VETERANS

Any questions concerning veteran’s benefits should be directed to Mr. Sidney Murdock in the Summer School Office.

Veterans and children of veterans wishing to enroll for benefits should be prepared to pay all fees and educational costs at the time of registration. An educational allowance is paid directly to the student provided he has secured proper entrance authorization and maintains satisfactory standing in his class. The total amount of payment depends upon the semester hour load and the number of dependents. The first payment will normally be received sixty to seventy-five days after the first day of classes. To be reimbursed by the Veterans Administration the student must:

1. Obtain V.A. Form 21E 1990, Veteran’s Application for Program of Education, from the Summer School Office. Fill it in and mail to:
   V.A., 20 Washington Place, Newark, N. J.
2. The V.A. will mail you two copies of a certificate of eligibility (V.A. Form 1993).
3. Send both copies to Mr. Murdock, in the Summer School Office.
4. At registration, veterans must designate on the registration card that they intend to receive benefits from the V.A. during the term for which they are registering. FAILURE TO DESIGNATE THIS FACT WILL RESULT IN NO PAYMENT FOR THAT TERM.
5. A brief guide sheet (Form 67) is available in the Summer School Office to help veterans. Please obtain a copy when you register.
TRANSCRIPT OF CREDIT

Students desiring a transcript of credit for courses completed should write to the Registrar, Trenton State College, Trenton, New Jersey 08625, and include the following:

1. Full Name (Include maiden name)
2. Address
3. Dates of attendance (Inclusive)
4. Date of graduation
5. Name and address to whom transcripts should be mailed
6. $1.00 for each transcript requested

STUDENT PARKING REGULATIONS

Area “A”, located near the football field at the main entrance to the campus, is reserved for students to park automobiles. Parking automobiles along roadways or in areas reserved for faculty, staff, and visitors is prohibited. Students who illegally park their automobiles on the campus will be subject to fine by the Traffic Office.
SPECIAL SERVICES

RESIDENCE HALLS

APPLICATION FORMS FOR ROOM RESERVATIONS MAY BE OBTAINED FROM THE SUMMER SESSION OFFICE, GREEN HALL

ARRANGING FOR ACCOMMODATIONS

Accommodations for men and women students will be available in college residence halls. Advance reservation for rooms is requested. If application forms, accompanied by payment in the exact amount, are received before Thursday, June 13, the student will receive a room assignment by mail. If no advance reservation is made, there may be a two-day period at the start of the Summer Session before a room can be assigned. A check, or money order, in the exact amount payable to Trenton State College, must be mailed with the reservation form to the Summer Session Office.

RESIDENCE HALL FEES

The cost of room and board (3 meals a day, 7 days a week) in the residence halls will be $136.32 for the entire six-week Summer Session, June 23-August 2. The charge for a single week or part of a week beginning on any Sunday will be $22.72.

PERIOD OF SUMMER OCCUPANCY

Residence halls will be open for Summer Session at 4:00 P.M., Sunday, June 23. Rooms will be ready for occupancy at that time. Residence halls will close on Friday, August 2 at 7:30 P.M.

REFUNDS FOR ROOM AND BOARD

The policy concerning refund of residence hall charges is available upon request from the Housing and Food Services Office in Green Hall.

ACCOMMODATIONS AND FURNISHINGS

College residence halls have a few single rooms and many more larger ones designed for double occupancy. Insofar as possible, requests for single rooms will be honored. In all halls, the college will furnish bed linen. Each student should bring his own towels, face cloths, bedspread and drinking glass.

RESIDENCE HALL REGULATIONS

The privilege of occupying a residence hall room is given only to the person to whom the room is assigned. A key deposit of $2.00 is charged and is refundable upon return of the key.

Animals may not be kept in residence halls.
Alcoholic beverages are not permitted on campus.
Hot plates or self-contained cooking units, irons and cooking utensils may not be used in residence hall rooms. Each residence hall has a kitchen for the use of residents for the preparation of snacks.
Television sets, radios, etc., with outside connections are not permitted.
The use of air conditioners is not permitted. Fans may be used only after approval by the college electrician at the residence hall office.
The college does not assume responsibility for loss or damage to personal property of students living in residence halls.
Residents will be held responsible for all damage or defacement to residence halls and residence hall equipment.

**RESIDENCE HALL GUESTS**

Arrangements for overnight guests in residence halls should be made at the residence hall office before 3 P.M. on the particular date. The charge to guests is $1.50 per night.

**DINING HALL**

The first meal served to residents will be supper on Sunday, June 23. The last meal served will be dinner on Friday, August 2.

All campus residents are charged for meals. Commuters may purchase single meals in the Dining Hall. The college dining hall is not organized to provide special diets.

**DINING HALL MEAL SCHEDULE**

<table>
<thead>
<tr>
<th>Weekdays</th>
<th>Sundays</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breakfast</td>
<td>Breakfast</td>
</tr>
<tr>
<td>7:30-8:00</td>
<td>8:00-8:30</td>
</tr>
<tr>
<td>Lunch</td>
<td>Dinner</td>
</tr>
<tr>
<td>12:00-1:15</td>
<td>12:30-1:00</td>
</tr>
<tr>
<td>Dinner</td>
<td>Supper</td>
</tr>
<tr>
<td>5:15-6:15</td>
<td>5:15-6:15</td>
</tr>
</tbody>
</table>

(Conflicts between Dining Hall schedule and class schedule may be resolved in the Housing Office.)

**SNACK BAR**

Snack Bar service will be available. Hours will be determined according to the needs of students.

**RECREATION**

The campus at Hillwood Lakes provides ample facilities for recreation and social activities. Tennis courts are available for recreation and instruction.

The college pool will be open daily, except Sunday, during such hours as will accommodate groups of students who are interested in swimming. A lifeguard will be in charge at this time.

Every person using the pool must be approved by the college physician who will make a check on heart, respiratory tract, eyes, ears, and skin.

A schedule of recreation activities will be published for the Summer Session.

**COLLEGE STORE**

Services of the college store are available to Summer Session students. The college store is located in the basement of Green Hall.

The business hours are:

- Monday-Friday: 8:30 A.M.-4:30 P.M.
- Closed all day Saturday
- Evening hours: 5:00-8:00 P.M.
SPECIAL FEATURES OF THE SUMMER SESSION

CAMPUS DAY CAMP

The Campus Day Camp is designed to provide a summer play experience for children from six to twelve years of age. Faculty children, children of parents attending summer school, and children from nearby communities are invited to attend.

The camp will operate Monday through Friday between 8:30 A.M. and 1:00 P.M. from June 24 to August 2. The camp will not operate on Thursday, July 4, but will be open on Saturday, July 6. The weekly fee is $10.00. Three weeks constitutes a minimum enrollment. Campers will be provided insurance coverage by the Hartford Accident and Indemnity Company. Transportation to the camp will not be provided. Campers may be registered at the Summer Session Office in Green Hall beginning June 1, 1968 between 9:00 A.M. and 4:00 P.M. Checks are to be made payable to Trenton State College.

The program is varied and interesting. Children are divided into appropriate age groups and activities are selected on the basis of growth and developmental needs and abilities. Supervision is provided by the college physical education staff and student assistants. The program includes games, tennis, swimming instruction, nature study, and quiet activities. Mr. Roy VanNess, Director of Athletics at the college will serve as Camp Director. For further information please contact Mr. VanNess at 882-1855, Extension 292 or 253.

INTERNATIONAL WORKSHOP

CULTURAL AND ENVIRONMENTAL SETTING FOR EDUCATION IN NORTHEASTERN UNITED STATES

The 11th annual International Workshop will be held in late June and early July, probably the first three weeks of the summer session. The participants in this activity will be ten visiting foreign students, selected by the Experiment in International Living and a similar number of Trenton State College students. It will be possible to include summer session students who are interested in earning three semester hour elective credits in this stimulating, intensive three week workshop. The course will be full time and will preclude the student's enrollment in any other summer school course during the time of the workshop. The workshop will provide a detailed study of New Jersey, metropolitan New York and the Delaware River Valley, with emphasis on those aspects of the culture and environment which affect education and which will be of greatest interest and concern to foreign students. One of the most significant aspects of the procedures involved in the workshop is the housing of visitors with their Trenton State College hosts in a campus situation. This direct personal contact on a day to day basis provides both parties with an opportunity to discuss and explain their several cultures.

Class work will include lectures, discussions and a variety of audio-visual materials. An important aspect of the workshop is a series of field trips to historical, educational and cultural places of interest; Trenton, New York and Philadelphia will be explored in some detail during these excursions. Credit for this course, 313.88, will be accepted as an elective for degree requirements.

The International Workshop will be under the direction of Mr. John F. Erath and will be conducted by a member of the Trenton State College faculty. Interested students may consult Mr. Erath, English Department, Lakeside to secure an application for enrollment.
AREA STUDY SEMINAR IN GERMANY

Trenton State College in cooperation with the College of Education of the University of Frankfurt, Germany, and the Experiment in International Living offers the fifth annual Area Study Seminar in Germany from June 9 to August 19, 1968. The Seminar, 313.89, is open to undergraduate and graduate students. An undergraduate will receive four semester hour credits applicable as elective credits toward the degree requirements. With prior approval of his advisor, a matriculated graduate student may receive four semester hour credits toward the general education requirements of his graduate program.

The major foci of the program will be comparative education, modern social and political problems, historical perspectives, art and music. The program includes: intensive language training at the School for International Training of the Experiment in International Living at Brattleboro, Vt. from June 9-25; a one-week seminar at the University of Frankfurt directed by Frankfurt faculty members; a three-week homestay in Pforzheim/Baden-Wuerttemberg, a three-week bus trip with the following itinerary: Munich, Salzburg, Vienna, Budapest, Prague, Dresden (East Germany), Berlin, Brussells. The group will attend five performances of the Munich and Salzburg Music Festivals. On the bus trip the group will be accompanied by Professor Hermann Schroedter of Frankfurt University in addition to the two Directors of the Seminar, Professors Franz Geierhaas and Champ Carney of Trenton State College.

At the conclusion of the official program—August 19—participants may elect to stay in Europe for “free travel” and return on a later charter jet.

Applicants should have at least one semester of conversational German, preferably of recent date.

The total cost of the Seminar is $1,200 including all travel from Vermont, all meals, hotels, fieldtrips, sightseeing, festival tickets, tuition and intensive language training.

Persons interested in applying should direct inquiries to Mr. John F. Erath, Foreign Student Advisor, Trenton State College.

PEMBERTON TOWNSHIP CENTER

of Trenton State College

A program is offered by the college at the Pemberton Township High School in cooperation with the Educational Directors at McGuire Air Force Base, Fort Dix, and Lakehurst Naval Air Station. The facilities of the Pemberton Township High School have been made available through the courtesy of the Superintendent of the Pemberton Township schools and the Board of Education.

The schedule of courses, time and day of class meetings, and registration procedures is published by the Summer Session Office, Trenton State College and may be obtained from the college or from the Director, Education Center, McGuire Air Force Base. Telephone 724-2100, Ext. 3018-9.

May 28, 1968 - August 8, 1968

(REGISTRATION: May 17 - May 31)

May 30 - Memorial Day  }  No Classes
July 4 - Independence Day  }
DESCRIPTION AND SCHEDULE OF UNDERGRADUATE COURSES

ART

110.01 Pictorial and Ceramic Art
3 S.H. Class #B01 Period 2 G107
Introductory studio course in pictorial and ceramic arts.

110.05 Graphics and Sculpture
3 S.H. Class #A01 Period 1 G3
Introductory studio course in printmaking and three-dimensional design. This course may be taken before, or in place of Art 110.01.

110.15 Contemporary Art
3 S.H. Class #A02 Period 1 G212
A discussion of the development of Modern Arts and its relationship to the art of the past. Illustrated lectures. Field trip to the Guggenheim, Whitney and Modern Museums, New York City.

210.05 Ceramics
3 S.H. Class #C01 Period 3 G7
Methods of forming clay, decorating, glazing and firing, mold-making and casting, and methods on the potter’s wheel.

ECONOMICS

212.05 The American Economy
3 S.H. Class #C02 Period 3 L7
Private and public sector investigated. The firm and financial reports. Changing structure of the economy; determinants of national income; monetary and fiscal policy; commercial banking and the operations of the Federal Reserve Bank are considered. Extensive outside reading.

EDUCATION

213.25 Improving Reading and Study Skills
3 S.H. Class #B02 Period 2 G212
Reading improvement course for college students. For students who wish to improve their reading and study skills. Study techniques developed. Measurement of each student’s reading ability at the beginning and at the end of the course.

213.35 Tools and Materials K-6
3 S.H. Class #C03 Period 3 A16
Developing knowledge and skills with basic hand tools and their application as an aid to classroom teaching. Emphasis on selecting and developing construction activities appropriate to the curriculum of the various grade levels. Making abstract concepts meaningful through industrial arts activities.

213.36 Foundations of Practical Arts and Vocational Education
3 S.H. Class #D02 Evening (5:15-7:30) A73
The philosophical and psychological basis of industrial education in contemporary American life are studied along with an examination of...
historical roots, present values, objectives, and contributions. Industrial education curriculum are reviewed. Their relationship to one another and their role in American education is examined. The student is introduced to the fundamentals of content selections and course organization.

313.02 Teaching Reading in Elementary Grades
3 S.H. Class #C04 Period 3 Dr. Franz G202
Class #E01 Evening (7:45-10:00) Mr. Shea G202

Basic principles. Nature and organization of systematic reading programs for the elementary school. Various types of methods and materials used to provide an integrated sequential program of learning activities, and the teacher's responsibility in guiding the elementary school reader's growth. Demonstrations, guided observations, and related experiences.

313.03 Teaching Arithmetic in Elementary Grades
3 S.H. Class #A03 Period 1 Miss McLaughlin SM115
Class #D03 Evening (5:15-7:30) Mr. McLlroy SM115

Prerequisite: 121.01 Foundations of Mathematics or equivalent

A combination of a methods course and a professionalized subject matter course. Arithmetic developed as a deductive system with an emphasis on developing an understanding of the basic operations. Materials organized for effective teaching sequences. Problem solving, diagnostic work, and testing.

313.04 Teaching Arts and Crafts in Elementary Grades Mr. Goldstein
3 S.H. Class #C05 Period 3 G107

This course is planned to aid the teacher in selecting art experiences appropriate for the various age and grade levels of the elementary school. Opportunities will be provided for everyone to work with many different and inexpensive materials which can be used by children in creative, constructive experiences. Students will be encouraged to work on problems which have significance for their particular classroom.

313.06 Teaching Social Studies in Elementary Grades
3 S.H. Class #B03 Period 2 Dr. Carman G210A
Class #D04 Evening (5:15-7:30) Mr. Shea G202

This course deals with the newer methods and curriculum emphasis of the social studies in the elementary school. In addition it considers such problems as (1) child growth and development in social understanding, (2) reading skills as they relate to the social studies at the elementary level.

313.10 Audio-Visual Education
3 S.H. Class #A04 Period 1 Mr. Nutt L56
Class #E02 Evening (7:45-10:00) Mr. Romano L56

Curriculum utilization of audio-visual materials, mastery of many types of audio-visual devices and equipment, principles of operation, possibilities for utilization, techniques for evaluation of materials and equipment, knowledge and skills in the production of simple audio-visual materials.

313.21 Teaching Music in Elementary Grades Mr. Safran
3 S.H. Class #A05 Period 1 B125

Music for elementary classroom teaching. Study of the child voice and procedure for training children's voices; singing and song selection; rhythmic activities suitable for each grade level; playing rhythmic and tone instruments, including xylophone and piano; listening and selecting materials for listening lessons adapted to each grade level; creative music; music reading and part-singing.
313.54 **Teaching Science in Elementary Grades**

**Dr. Hiack**

3 S.H.  
Class #C06  
Period 3  
SM111

Prerequisite: Six semester hours of college science.

Place of science in the elementary school and the aims of science instruction at this grade level. Sources of materials and the use of these materials. Opportunity to organize the subject matter of science into teaching units appropriate for the grade level taught. Study of the recent literature in the teaching of elementary science.

313.60 **Development of Educational Thought**

**Dr. Charlton**  
Class #A06  
Period 1  
G202

Class #D05  
Evening (5:15-7:30)  
Dr. Trowbridge  
G206

Class #E03  
Evening (7:45-10:00)  
Mr. Jeffries  
G211

Examination of philosophic assumptions and beliefs in terms of relationships to the development of educational philosophy and to education as a social institution. Synoptic study of the history of European and American education. Evaluation of principles underlying educational theories and practices. Attention to specific philosophies of education and their implications to modern education. Emphasis upon developing a personal philosophy of education through an objective examination of beliefs, theories, philosophies, and the history of educational thought.

313.80 **Elementary School Curriculum**

**Dr. Watson**  
Class #C07  
Period 3  
G210

This course examines the basic theory and philosophy underlying the modern elementary school curriculum. Emphasis is placed upon specific problems as the aim and objectives in curriculum construction, the choice of adequate instructional materials, the formulation of the daily program, and the evaluation of learning outcomes. Particular reference is made to those areas of curriculum designated as the language arts, the social studies, the cultural arts, and the practical arts.

313.85 **Principles and Practices of Secondary Education**

**Mr. Richter**  
Class #B04  
Period 2  
G212A

Understanding of the evolution and status of the secondary school in the United States; historical development and changing aims of the secondary school, comparison with aims and organizations of certain European schools, nature and scope of the curriculum, nature and needs of the secondary school pupil, newer procedures, qualifications of the secondary school teacher, and current problems and issues.

313.88 **International Workshop: Cultural and Environmental Setting for Education in Northeastern United States**

3 S.H.  
Class #G01  
(See page 17 for details)

313.89 **Area Study Seminar in Germany**

4 S.H.  
Class #G02  
(See page 18 for details)

313.90 **Teaching in Inner City School**

**Dr. Durkin**  
Class #C08  
Period 3  
G212A

An inquiry into the nature and scope of the teacher's role in the school and community. Examination of public education as a culturally forceful institution of the community and nation. Nature and significance of teaching as a profession. School law. Issues, problems, and trends in public education.
Discussion and analysis of actual classroom problems and procedures. Objectives and philosophy of modern elementary education. Discussion of desirable classroom environments, proper use of instructional materials, responsibilities and ethics of the teaching profession, daily and unit planning. Emphasis upon a positive approach to classroom discipline.

413.10 Teaching Health, Safety, and Physical Education in Elementary Grades
3 S.H. Class # A07 Period 1 Mr. Van Ness P103
Class # E04 Evening (7:45-10:00) Mr. Williams P103
Theory and practice of health, safety, and physical education in the elementary school physical education program.

413.15 Teaching Language Arts in Elementary Grades
Dr. Burke
3 S.H. Class # B06 Period 2 G104
Emphasis on the language needs of children and methods and materials of meeting these needs. Emphasis on language as a form of social behavior and on the best methods for teaching oral and written composition, penmanship, listening and spelling.

413.40 Teacher in School and Community
Dr. Charlton
3 S.H. Class # C09 Period 3 G219
An inquiry into the nature and scope of the teacher’s role in the school and community. Examination of public education as a culturally forceful institution of the community and nation. Nature and significance of teaching as a profession. School law. Issues, problems, and trends in public education.

413.50 Instructional Aids in Industrial Education
Mr. Lockwood
3 S.H. Class # E05 Evening (7:45-10:00) A73
Construction and use of graphic, projected, and mechanical types of audio-visual aids as they apply to industrial education. Analysis of needs for specialized areas of industrial arts. Design and construction of mock-ups, cut-away models, storage and display facilities for charts, models, and teaching aids. Operation and maintenance of audio-visual equipment.

413.90 Driver Education and Training Workshop
Mr. Medve
3 S.H. Class # G03 (4:00 P.M.-7:30 P.M.) Alumni Lounge
May 27, 29, 31
June 3, 5, 7
June 10-14 (9:00-4:00)
This course provides classroom instruction and road work including behind the wheel instruction for all students. Class enrollment is limited. Early registration is recommended. This course meets certification requirements to teach Driver Education in the Secondary Schools of New Jersey.

413.97 Seminar in Supervised Teaching (Part I)
6 S.H. Class # G04 Period 1 *Elementary Staff Room: TBA
Class # G05 Period 1 *Secondary and Special Field Staff Room: TBA
Class # G06 Period 1 *Industrial Arts Staff Room: TBA
*Class extends throughout morning.
A summer session consisting of daily lectures, class discussions, conferences, observation and limited participation in the campus demonstration classes. Topics discussed include aims and objectives of present-day
ENGLISH

114.01 Language and Communication
3 S.H.  Class #B07  Period 2  Mr. Ekizian  K104
        Class #D07  Evening (5:15-7:30)  Mr. Wood  K205
The nature and function of language, communication of fact, communication of opinion. Study of newspapers, magazines, movies, radio and television programs. Discussion and critical analysis of contemporary communication.

214.01 World Literature I
3 S.H.  Class #A08  Period 1  Mr. Murray  G211
        Class #E06  Evening (7:45-10:00)  Mr. Wood  K205
American and English literature; European and Asiatic literature in translation. Reading of novels, plays, poetry, philosophy, and religious writings, grouped by subjects, theme, mood, or genre, rather than by language, nationality, or chronology.

214.02 World Literature II
3 S.H.  Class #C10  Period 3  Mr. Ekizian  K205
        Class #D08  Evening (5:15-7:30)  Miss Diskin  K209
Continuation of World Literature I.

214.11 Masterpieces of English Literature to 1700
3 S.H.  Class #E07  Evening (7:45-10:00)  K209
Prerequisite: 114.01. Studies of the works of major English writers before 1700: Chaucer, Spenser, Marlowe, Bacon, Donne, Milton. Required for all English majors and recommended for English minors.

214.25 The Short Story
3 S.H.  Class #A09  Period 1  Mr. Liddie  SM139
Prerequisite: 114.01. Critical examination of the short story as a type of literature. Study of stories by such authors as Melville, Poe, Joyce, Kafka, Hemingway, Faulkner, Roth, Updike, Hawthorne, Chekov. Elective.

314.30 Shakespeare
3 S.H.  Class #D09  Evening (5:15-7:30)  L207
Reading of a selected list of comedies, tragedies, and historical plays of Shakespeare.

314.70 The Film
3 S.H.  Class #B08  Period 2  Dr. Beechold  L56
Prerequisite: 214.01-02, junior standing (or instructor's approval). Background and development of the motion picture; film technique and aesthetics; film criticism. Elective.

GEOGRAPHY

115.01 Physical Environment and Man
3 S.H.  Class #B09  Period 2  Mr. Melvin  L214
        Class #E08  Evening (7:45-10:00)  Mr. Hewitt  L214
Study of the earth as the home of man; environment, human beings, and relationships existing between them. Basic features of the earth's major environments. Experience in the use of the literature of geography, atlases, maps, and other devices useful in locating and interpreting the character of places.
315.05 Anglo-America West  Mrs. Strasser
3 S.H. Class #A10 Period 1 L214
Prerequisite: 115.01 Physical Environment and Man. Study and interpretation of major geographic regions of western United States and Canada. Development of cultural environment in relation to the natural environment. Intensive study by each student of a selected region requiring knowledge and evaluation of professional materials and references.

315.30 Latin America  Mr. Hewitt
3 S.H. Class #C11 Period 3 L214
Prerequisite: 115.01 Physical Environment and Man
A regional study of Latin America to show the relationship between the environmental factors and the population pattern, the life of the people, their social customs and their methods of making a living. Stress upon transportation, commerce, and communications within and between the various countries, and with other parts of the world to show the economic importance of the main products of Latin America.

POLITICAL SCIENCE

216.05 Principles of American Government  Dr. Hester
3 S.H. Class #A11 Period 1 L201
Theory, Powers, Organization. Study of issues, ideals, and political climate which gave rise to our form of government, the constitutional and extra-constitutional factors which have molded and changed our government, and the powers, interrelationships, and functions of the different levels of government.

416.01 International Relations  Dr. Cheng
3 S.H. Class #E09 Evening (7:45-10:00) L202
Analysis of power politics in the contemporary world of nation-states and the various approaches to world peace including balance of power, judicial settlement, arms limitation, diplomacy, international organization and world government.

HEALTH AND PHYSICAL EDUCATION

117.05 Personal Health Problems  Mr. Schmid
3 S.H. Class #A12 Period 1 P101
Scientific discovery and recent progress in health sciences as an approach to the solution of individual health problems. Health is considered as a means to effective living and self-evaluation is encouraged.

217.05 First Aid  Staff
3 S.H. Class #C12 Period 3 P101
Basis: The standard first aid courses of the American Red Cross. Causes and prevention of accidents in school and camp situations. Methods of teaching first aid, with opportunities to attain American Red Cross Standard, Advanced and Instructor's First Aid Certificates.

317.01 Kinesiology  Mr. McCorkle
3 S.H. Class #A13 Period 1 P104

317.03 Leisure and Fitness  Mr. Schmid
2 S.H. Class #B41 Period 2 Packer: New Gym
An individualized course for the post-college age student.
The role and functions of the school nurse in health appraisals, healthful environment and health education; her contributions to total community health.

Program planning, follow-through, coordination and program evaluation of school health services.

Designed to develop a comprehensive hearing conservation program.

Physiological and metabolic effects of alcohol in the body, the problems of alcoholism and narcotic addiction for school principals, health teachers, school nurses, and others. Emphasis will be on the school’s responsibility and curriculum.

HISTORY

118.07 The Heritage of the Western World I
3 S.H.  Class #A14  Period 1  Mr. Karras  L202
     Class #D10  Evening (5:15-7:30)  Mr. Allen  L202

A study of the major political, social, economic, and intellectual developments underlying contemporary western civilization. Beginning with the formative period of the ancient world, the course will focus on the traditions of western culture as they evolved through medieval, early modern, and into the contemporary period. The emphasis throughout will be on those historical problems and forces which have molded the features of our own day.

118.08 The Heritage of the Western World II
3 S.H.  Class #C14  Period 3  Mr. Faughnan  L204

A study of the major political, social, economic, and intellectual developments underlying contemporary western civilization. Beginning with the formative period of the ancient world, the course will focus on the traditions of western culture as they evolved through medieval, early modern, and into the contemporary period. The emphasis throughout will be on those historical problems and forces which have molded the features of our own day.

218.05 Formative Period of the American Nation
3 S.H.  Class #E11  Evening (7:45-10:00)  Mr. MacLaury  L204

Over-all picture of American development to the Civil War with emphasis on the period of discovery and exploration, colonial life with special reference to New Jersey, and the westward movement.

418.08 The Far East in the 19th and 20th Centuries
3 S.H.  Class #B10  Period 2  Dr. Hahn  L206

Study and interpretation of the major cultural, social political and economic trends in the Far East from the end of the 18th Century to the present. Development of an understanding of the motives and culture of the Chinese and Japanese peoples which have conditioned the unique development within each country.
119.02 Basic Woodworking
Mr. Johnson
3 S.H. Class #B11 Period 2 A44
Introduction to wood technology, design and construction in wood with tools, machines, study of adhesives, abrasives and finishing materials. Identification and selection of woods.

219.03 Power Mechanics I
Mr. Weber
3 S.H. Class #E12 Evening (7:45-10:00) A27
Principles of internal combustion engines. Comparative study of modern power units of all types. Maintenance and adjustment of two- and four-cycle engines. Trouble shooting and caring for the modern automobile.

219.22 Photography in the Graphic Arts
Mr. Edelbach
3 S.H. Class #D11 Evening (5:15-7:30) A3
Picture taking, film developing, printing and enlarging using 35 mm., 4 x 5, and copy camera equipment. Basic technical skills and composition emphasized. Techniques in monochromatic photography and the fundamentals of color photography including color film development and printing.

319.12 Applied Electronics
Dr. Herring
3 S.H. Class #C15 Period 3 A57
Prerequisite: 219.16. The study of the characteristics of electronic components, tubes and semi-conductors, circuits and systems. Laboratory techniques involving tests, measurements and evaluation.

319.40 Hot Metals
Mr. Bittner
3 S.H. Class #G08 9:00 A.M.-4:00 P.M. (July 15-August 2) A33
(Please: 219.01) or consent of instructor
Advanced study of the various metal processes requiring the application of heat. Major emphasis will be in the areas of welding and foundry, with limited coverage of such topics as forging and heat treating. The area of welding will include the fusing of all common metals and the testing of the materials welded. The foundry area will include the study of various molding and casting techniques.

319.41 General Welding
Mr. Bittner
3 S.H. Class #G09 2:00 P.M.-10:00 P.M. (June 24-July 12) Mr. Smith A33
Prerequisite: 219.01 General Metals or equivalent
Welding of common metals by electric arc and oxyacetylene processes. Operation of gauges, tanks, torches and various kinds of welding equipment with emphasis on modern safety practices. Technology of materials of the welding industry. Development of welded projects for industrial art classes.

419.18 Cooperative Industrial Experience
Mr. Dresser
3 S.H. Class #F01 By Arrangement Mr. Williams
Prerequisite: Senior status and permission of Department Chairman
Planned cooperative industrial work experience. Development of depth of understanding of industry as observed in a typical industrial assignment.

LIBRARY SCIENCE
220.01 Instructional Materials I
Mr. Hertz
3 S.H. Class #B12 Period 2 L207
Basic reference tools of the school librarian, with emphasis on the use of these tools in the instructional program. Other books used in answering students' questions and the many non-book materials used in the modern classroom.
Stimulation to know and to enjoy children's books. Familiarization with types of literature. Adequate knowledge of the historical and social background of distinct types of literature. Attention to the increasing interest in the book illustrations. Evaluative standards for children's literature in relation to the needs and interests of children at various ages. Techniques for presenting desirable literature to children.

320.01 Books for Young Adults
3 S.H. Class #D12 Evening (5:15-7:30) Mr. Brown L211


320.10 Organization of Library Materials
3 S.H. Class #C16 Period 3 Mrs. Kashoff L211

Methods of acquiring and making use of printed catalog cards and bibliographies as guides to the materials in a school library. Elementary instruction in the principles of preparing simple catalog cards.

420.07 Book Selection for School Libraries
3 S.H. Class #A16 Period 1 Mr. Hartz L207

Intended primarily as a course in the broad basic principles of selecting materials for school libraries; not a literary approach to specific titles and authors. Designed to serve as a frame of reference for prospective school librarians and teachers who exercise the responsibility for choosing recreational and curriculum related library materials. Basic criteria for selection of books in elementary and secondary school libraries.

MATHEMATICS

121.00 Elementary Functions
3 S.H. Class #D13 Evening (5:15-7:30) Dr. Cromack SM137

A study of elementary functions, their graphs and applications, including algebraic, exponential, logarithmic, and trigonometric functions.

121.01 Foundations of Mathematics
3 S.H. Class #A17 Period 1 Mr. Barr SM101
Class #B13 Period 2 Dr. Hausdoerffer SM102
Class #C17 Period 3 Dr. Hausdoerffer SM102
Class #D14 Evening (5:15-7:30) Mr. Ehrenpreis SM102
Class #E14 Evening (7:45-10:00) Dr. Battin SM138

Development of an understanding and appreciation of the nature of mathematics in shaping human affairs. Typical topics: geometry, logic, number systems as groups and fields, sets and algebra of sets, and relations.

121.02 Foundations of Mathematics II
3 S.H. Class #E15 Evening (7:45-10:00) Mr. McIlroy SM102

This course is a continuation of Mathematics 121.01. The three major topics, selected to complement the first course, are: Mathematical Systems, Probability, and the Limit Concept. The concept of the function developed in Mathematics 121.01 leads to the invention of the group and other systems fundamental to every branch of mathematics. Probability is an indispensable tool of the engineer and is a thriving branch of pure
mathematics. Modern mathematics centers around the concept of limit. The definition of limit is the result of more than a hundred years of trial and error. Only by limiting processes can the fundamental notions of applied mathematics be defined.

121.10 Business Mathematics
3 S.H. Class #B14 Period 2
Analysis of the mathematical aspects and social applications of the following and related topics: simple and compound interest, discount, annuities, amortization, sinking funds, bonds, depreciation, perpetuities and capitalized cost, life insurance, and pensions.

121.20 Elementary Mathematical Analysis
3 S.H. Class #D15 Evening (5:15-7:30)
Analysis of fundamentals of algebra, trigonometry, and analytic geometry. Applications involving direct and indirect measurements which include: theory and use of mathematical instruments, such as transit, sextant, level, and plane table; theory and construction of maps and graphs, logarithms, and the slide rule; problems from shop and industry.

221.07 Introduction to Modern Algebra
3 S.H. Class #D16 Evening (5:15-7:30)
An elementary course in abstract algebra. Its aim is to introduce the student to selected topics in algebra and present the material in a rigorous way. Selected topics will include Sets, Functions, Groups, Rings, and Fields.

321.16 Introduction to Probability
3 S.H. Class #E16 Evening (7:45-10:00)

MUSIC

123.01 Survey of Music Literature
3 S.H. Class #C18 Period 3
General Education offering designed to guide the listener in his search for music enjoyment and understanding by examination and experience of the materials and literature of music and by acquaintance with periods, styles and outstanding musical personalities from the Renaissance to the contemporary scene.

123.10 Applied Music (Voice)
1 S.H. Class #D17 Evening (5:15-6.40)
(Class lessons—as arranged)

323.50 Composition
2 S.H. Class #D18 Evening (5:15-6.40)
Prerequisite: 223.04. Designed to stress various elements used in the writing of musical composition such as the original sketch, musical form and basic styles. Some emphasis on adapting the sketch for small instrumental ensembles for the junior-senior high school level. Each student will write a complete musical work.

323.55 Orchestration
1 S.H. Class #G10 Evening (7:00-8:35)
Course features instruction in the development of the original piano sketch in order to insure its adaptability to arrangements for orchestra
and band. Existing materials, such as hymns, folk songs, etc., are also used from which arrangements are made for large instrumental combinations. Consideration is given to balance of sound as regards uneven instrumental distribution and also to unusual instrumental combinations. The college orchestra and band act as a laboratory for the playing of student works.

323.60—Choral Arranging
Mr. Lucas
1 S.H.  Class #G11  Evening (7:00-8:35)  B127
Choral Arranging seeks to give the student experiences in a variety of situations leading to an understanding of the various types of choral arranging including: the standard patterns (SA, SATB, TTBB, etc.); manifold procedures (descant, imitation, humming, etc.); and a study of accompaniments. Analysis of selected choral scores and assignments for making original arrangements will be featured.

423.25 Music Drama
Mr. Steele
2 S.H.  Class #G12  Evening (7:00-8:35)  B126
This course is required for music majors and will stress the production and artistic performance of music drama with the emphasis on the organizational and operational aspects of practical and economical public school presentations. Juxtaposed during the session is an extra-curricular music drama workshop open to all college students desiring technical and performing experience.

PSYCHOLOGY

225.01 Human Development and Behavior I
Dr. Rovee  K209
3 S.H.  Class #A18  Period 1
Class #E17  Evening (7:45-10:00)  Mr. Steinman  K202
Fundamental principles of psychology, stressing such areas as motivation, behavior dynamics, perception, learning, and individual differences. Consideration of physiological aspects. Emphasis on the application of principles in educational situations.

225.02 Human Development and Behavior II
Dr. Rovee  K209
3 S.H.  Class #B15  Period 2
Prerequisite: 225.01
Continuation of Human Development and Behavior I.

325.05 Child Psychology
Dr. Campbell  L211
3 S.H.  Class #B16  Period 2
Prerequisite: 225.01 or 3 hours of college psychology
Psychological development of children from birth to adolescence; emphasis on elementary school years. Normal maturation of children as influenced by environment. Developmental tasks related to successive phases of growth.

325.16 Developmental Psychology
Mr. Gorczynski  L209
3 S.H.  Class #A19  Period 1
Prerequisite: 225.01 or 3 hours of college psychology
Consideration of the emotional, mental, physical, and social development of youth from conception through adolescence. Emphasis on the influences of the home, school, and community on adolescence.

325.18 Classroom Learning and Evaluation
Mr. Gorczynski  L209
3 S.H.  Class #C19  Period 3
Prerequisite: 225.01 or 3 hours of college psychology
Examines the interrelationships between intellectual development and demonstrated principles of human learning. Stresses significance of these
for actual classroom practice, especially in concept formation, problem solving, and the acquisition of knowledge. Develops principles and techniques of classroom evaluation.

325.25 Psychology of Personality  
3 S.H. 
Class #B17 
Period 2 
K202 
Prerequisite: 225.01. Contemporary approaches to the study of personality. Detailed treatment of various modern theories of personality and major determinants and dynamics of personality organization.

425.01 Psychology of Mental Health 
3 S.H. 
Class #A20 
Period 1 
Staff 
K104 
Prerequisite: 225.01 or 3 hours of college psychology. Examination of problems involved in self-understanding and the understanding of others. Phenomenological approach to the discussion of personality and personal value systems. Elementary discussion of common behavior problems.

425.25 Introduction to Abnormal Psychology  
3 S.H. 
Class #C20 
Period 3 
Staff 
K202 
Prerequisite: Six semester hours of psychology. Introduction to the principal types of behavior pathology, including neurotic, psychotic, and psychopathic disorders. Emphasis on the variables which personality theories and current research indicate as important in the development of abnormal behavior. Use of case material for analysis and discussion.

SCIENCE

126.03 Principles of Chemistry I  
3 S.H. 
Class #G13 
8:30-12:10 
Mr. Corona 
SM315 
SM316 
(June 24-July 12)

126.04 Principles of Chemistry II  
3 S.H. 
Class #G14 
8:30-12:10 
Mr. Corona 
SM315 
SM316 
(July 15-August 2)

A study of chemistry as a vital science in our culture. The development of modern chemical concepts such as kinetic theory, atomic structure and equilibrium and their importance as related to other sciences and areas of learning. A study of the periodic table using representative elements and relating structure to properties. Organic and biochemistry are introduced. Laboratory experiments are largely quantitative experiments coordinated with the lecture work.

126.07 Principles of Physics I  
3 S.H. 
Class #G15 
8:30-12:10 
Mr. Fink 
SM335 
(June 24-July 12)

126.08 Principles of Physics II  
3 S.H. 
Class #G16 
8:30-12:10 
Mr. Fink 
SM335 
(July 15-August 2)

General observation and study of physical laws and concepts which clarify man's understanding of his physical environment. Attempt will be made to relate these concepts to a person's everyday life, to show the unity of the physical ideas, to show the impact of the concepts on society, and to show the development of the concepts as outcomes of human endeavor.

First Part deals with building a foundation in topics such as force, motion and energy; thereby, laying the groundwork for the study of more abstract concepts in second part.
Second Part deals with wave motion, electric charges and fields, concepts pertaining to the atom and its fundamental components and the evolution of physics.

126.10 Descriptive Astronomy
3 S.H. Class #B18 Period 2 Mr. Hamilton SM114
Class #E18 Evening (7:45-10:00) Mr. Hamilton SM114
Designed to acquaint the student with the major heavenly bodies and their movements. Emphasis on the solar system and the explanation of common phenomena such as our system of time reckoning, the calendar, eclipses, phases of the moon, etc.
Wide use of slides, films, and outdoor observations of the sky at night.

126.15 Principles of Biology I
3 S.H. Class #G17 8:30-12:10 SM212
(June 24-July 12)
126.16 Principles of Biology II
3 S.H. Class #G18 8:30-12:10 SM212
(July 15-August 2)
Introduction to the major concepts of biology as they relate to man. Consideration given to fundamental properties of living things, their function, structure, classification, life histories and evolution. Emphasis placed upon identification and study of organisms in their natural environment, and upon their interrelationships with one another.

126.25 Introduction to Meteorology
3 S.H. Class #A21 Period 1 SM203
Lab: Tuesday 1:30-3:10
Study of the basic principles of meteorology to develop an understanding of the physical processes underlying weather phenomena. Opportunity in the laboratory for the student to become familiar with the instruments used for measuring weather elements and forecasting. Weather observations and the study of daily weather maps.

226.04 Physical Science for Elementary Education
3 S.H. Class #G19 Evening (6:00-8:45) SM111
An introduction to the basic concepts and principles of chemistry, physics, meteorology. Considerable attention in the laboratory to simple activities and experiments applicable to the elementary school.

SOCIOLoGY

227.01 Community and Society
3 S.H. Class #B19 Period 2 Dr. Wolcott L201
Development of sociological principles through the study of the community. Emphasis on its ecology, class and institutional structure, and the processes of human interaction. Relation of community to society at large. Study of the nature of culture and cultural change.

128.01 Fundamentals of Speech
3 S.H. Class #C21 Period 3 Dr. Wegner K104
Class #E19 Evening (7:45-10:00) Mr. Coslick K104
Introduction to the nature of speech and to the history of speech study; consideration of basic speech problems: how to isolate voice and diction defects, apply corrective techniques and evaluate students' speech; how to communicate in public address situations of both informal and formal nature; how to re-create and communicate the words of another through oral interpretation.
231.01 Salesmanship  Mr. Cicchetti  
3 S.H. Class #D20  
Evening (5:15-7:30)  
The course deals with the definition of selling and its role in distribution, a review of basic knowledge and personality requirements, the various methods and techniques involved in making a sale, the kinds of sales problems encountered by the salesmen and solutions, a step by step program for getting and succeeding in a selling program.

231.02 Sales Promotion  Mr. Cicchetti  
3 S.H. Class #E20  
Evening (7:45-10:00)  
The scope and activities of sales promotion in stores with emphasis on the coordination of advertising, display, special events, and publicity. External and internal methods of promoting business, budgeting, planning and implementing the plan.

350.25 Aviation  Mr. Bueschel  
3 S.H. Class #A35  
Period 1  
An overview of sociological, technological and economic implications of the air age: theory of flight, history of aviation, and trends in commercial general, and military aviation. Guest lecturers from the aircraft industry and government agencies will be utilized.
DESCRIPTION AND SCHEDULE OF GRADUATE COURSES

ART

510.20 Puppets and Playmaking
Dr. Ahrens-Dr. Wagner
Periods 2 and 3 G105
(10:00-12.50) K (Small Aud.)

A practical integrated course designed for different age levels at the desire of student groups. Two aspects of creative art will run concurrently: (a) the making and manipulation of hand, rod, and shadow puppets and marionettes; technical aspects of the production of puppet and marionette shows, such as booths, stages, lighting and scene design; (b) the creation of informal plays for children; technical aspects of children's plays inclusive of lighting, scene design, and blocking-out of action. The culmination of the course will be the actual production of various types of puppet and creative plays for child audiences. Students will be expected to purchase a few materials; cost not to exceed $2.50 per person.

510.30 History of American Painting and Sculpture from 1940
Dr. Burns
Period 1 K (Small Aud.)

This lecture course will trace the history of "The New American Art" movement and its influence on the contemporary art world.

BUSINESS EDUCATION

611.05 Government and Business
Mr. Hantjis
Period 2 G219

A course designed to trace the impact of government upon business. A study of the various administrative agencies created by the local, state and federal governments for the regulation of business.

611.21 Project Development in Consumer Education
Mr. Hantjis
Period 1 G212A

Exploration in a specialized manner of two major areas of consumer education. Basic purpose is to illustrate the handling of material and the procedures that might be used in developing other consumer education units.

EDUCATION

513.01 Curriculum and Instruction in the Elementary School
Dr. Ingalls
Period 1 G210A

Introduction to the curriculum and basic principles of teaching in the elementary school. Curriculum development examined in historical perspective. The classroom teacher's role in curriculum improvement. Distinguishing characteristics of present-day curriculum patterns. Basic principles underlying effective instruction including readiness, motivation, levels of learning, and meaningful integration of content. Planning and organizing for teaching including daily lesson planning, long range planning, and classroom scheduling. Open only to students enrolled in E48, E38, SE32, SE48, SE38, SH48, and SH38 programs. Not accepted by the New Jersey State Department of Education toward administrative or supervisory certificates.
513.09 Methods of Teaching Elementary School Subjects  
Dr. Ingalls  
3 S.H.  
Class #C22  
Period 3  
G210A  
A course designed to acquaint the special education teacher with the basic principles and methods of teaching elementary school subjects. Special emphasis will be placed on methods of teaching the communication arts and the social studies. Open only to students enrolled in SE32, SE48, and SE38 programs.

513.11 New Jersey School Law I  
Dr. Travers  
3 S.H.  
Class #A25  
Period 1  
G219  
This course is designed to give the teacher a knowledge of the fundamental school laws of New Jersey. Requirements concerning teacher duties and responsibilities, curricular offerings, and relationships with pupils and parents are discussed. Court and administrative decisions involving school law are carefully studied.

513.20 Corrective and Remedial Techniques in Reading  
Mr. Shepherd  
3 S.H.  
Class #C23  
Period 3  
G212  
This course will consider the basic principles for a remedial program, methods of preventing reading difficulties, and methods and materials used in dealing with the remedial problems. Some of the topics to be studied will include: causes of poor reading, deficiencies in specific skills, individual and group instruction, results of remedial reading programs, appraisals of progress, case studies in remedial teaching.

513.25 Investigating Trends in Producing Audio-Visual Materials for Classroom Use  
Mr. Romano  
3 S.H.  
Class #D27  
Evening (5:15-7:30)  
L56  
An operational working knowledge of audio-visual equipment and a knowledge of the philosophy of audio-visual in education is fundamental. Development of teaching materials within one's field, correlated with effective use of the same in the classroom will be the basic aim of the course. Content includes construction of photo transparencies, picture lifting, 2" by 2" slides, filmstrips, advanced tape recording techniques, microphone techniques, flannel boards, bulletin boards, chalk board technique, lettering instructional materials, trouble shooting equipment and administering an audio-visual program.

513.40 Foundations of Education  
Dr. Carroll  
3 S.H.  
Class #G21  
Period 2  
G206  
This course will attempt to synthesize and integrate the contributions to education from the basic disciplines of history, philosophy, anthropology, psychology, religion, sociology, economics, and political science.

513.42 History of Western Education  
Dr. Trowbridge  
3 S.H.  
Class #E22  
Evening (7:45-10:00)  
G206  
The purpose of this course is to present for the students' consideration an historical perspective relative to the origins of present theories and practices in education, as found in the writings of western civilization from Greece to the discovery of America.

513.44 Current Issues and Trends in Education in the United States  
Dr. Yengo  
3 S.H.  
Class #D21  
Evening (5:15-7:30)  
G210  
Identification and analysis of the major current issues and trends in education in the United States. Emphasis on the evolutionary nature of education. Search for forces underlying conflict and for probable consequences of present trends. Development of perspective in assessing the educational scene and acceptance of the challenge inherent in the American educational ideal.
513.45 Social Problems and Education
3 S.H. Class #E25 Evening (7:45-10:00)
This course views the possibility of reform as a basic purpose of education. It presents a brief analysis of some of our modern social problems; crime, poverty, race conflict, family disintegration, etc., and the role that education might assume in proposed solutions.

513.47 The Politics and Economics of Public Education Dr. Carroll
3 S.H. Class #C24 Period 3
This course will provide a depth examination of the political and economic factors and problems affecting decisions regarding public education.

513.61 Introduction to Guidance and Counseling Dr. Stamm
3 S.H. Class #C25 Period 3
Intended for graduate students seeking certification in Student Personnel Services. Major emphasis is on the applied psychology of the helping relationship. Student is expected to attempt to learn to behave in ways conducive to the optimal helping relationships within the class itself. Psychological theoretical review, necessary to explain expected class behavior is offered. Course content includes study of the goals, history, and present status of guidance. Examination of guidance resource materials.

513.79 Diagnosis and Remediation of Learning Disabilities Mr. Hritz
5 S.H. Class #G22 8:30-10:50
This course to be offered on an interdisciplinary basis, will include extended practicum experiences based on the application of learning theories to the emotionally and socially maladjusted child. An overview of the various perceptual impairments will be considered as well as diagnostic approaches to learning disabilities. Remediation of reading disabilities will be stressed. Emphasis, throughout the course content and field experiences, will be placed upon the development of competencies in the application of a variety of approaches to effect remediation in individual children. It will attempt to provide the student with conceptual skills and insights which will enable him to select those approaches which pertain to the specific problems underlying the learning disabilities of the child.
A minimum of 60 clock hours of practicum experiences will be required in addition to course work. Rotation of field experiences in a variety of settings and an extended practicum experience in one agency will be included. Open only to students matriculated in the program for teaching the socially and emotionally maladjusted.
Prerequisite: 529.78 and 529.73.

613.01 Bibliography and Reference Literature Mr. Packard
3 S.H. Class #A26 Period 1
This course equips the degree candidate for the work in preparing reports, term papers, and the field study or thesis. It provides instruction in the use of reference tools and bibliographies in the field of education and a working knowledge of important handbooks in other areas. It develops skill in the preparation of a comprehensive bibliography on a subject pertinent to the student's aims and interests.

613.02 Introduction to Educational Research Dr. Yengo
3 S.H. Class #B22 Period 2
This course is intended for graduate students in education and should be taken early in the graduate program. Chief emphasis is on understanding and interpreting research with lesser emphasis on research production. Course content includes examination and evaluation of
current research, research design, and certain statistical concepts. Each student is required to submit individual evaluation and design in own area of specialization.

613.10 Advanced Trends in Elementary Education  
Dr. Franz  
3 S.H.  
Class B#23  
Period 2  
G202  
This course is designed for graduate students who are interested in the latest developments in the field of elementary education. It surveys the recent research and experimentation and attempts to predict future trends in elementary education according to past and present beliefs and practices. Among the various topics emphasized are (1) innovations in modern school and classroom design; (2) recent developments in the curriculum areas of language arts, social studies, sciences, cultural arts, and practical arts; (3) the present trend in evaluation, measurement, and promotion in the elementary school; and (4) a study of the controversial philosophies concerning heterogeneous grouping, departmentalization, team teaching, programmed instruction, etc.

613.95 Seminar in Student Personnel Services  
Dr. Stamm  
3 S.H.  
Class #F02  
By Arrangement  
G219  
(First session meets at 4:30 P.M. on June 24)  
Designed for those students who have a basic understanding of the role and functions of Student Personnel Services in the total educational program. Each student is required to participate in an intensive first hand practicum experience in an area of Student Personnel Services. The practicum experience will be assigned and supervised by the college. Weekly class meetings will be devoted to the discussion and utilization of the students practicum experiences for the purpose of integrating their situational behavior with their intellectual understanding. A terminal seminar required of all students in the Student Personnel Services program.

613.97 General Seminar in Elementary Education  
Dr. Burke  
3 S.H.  
Class #A27  
Period 1  
G104  
For students not writing the thesis or field project. An examination of the techniques of educational research as well as the findings of noteworthy research studies in elementary education. The general comprehensive examination, required of all Master's Degree candidates not writing a thesis or field project, is given at the close of this course. The terminal seminar required of all students in the Elementary and E48 programs not writing a thesis.

ENGLISH

514.03 The Modern Imagination  
Dr. Beechhold  
3 S.H.  
Class #A29  
Period 1  
SM138  
An exploration of the artistic climate of the twentieth century with particular attention to literary experimentation, motion pictures, and the revolution in the visual arts. The course will explore such contemporary phenomena as surrealism, dadaism, pop art, op art, anti-art, anti-theater, McLuhanism, and related ideas and movements. A General Education course for all graduate students except English majors.

514.41 American Realism  
Dr. Thomas  
3 S.H.  
Class #B26  
Period 2  
SM214  
American writing between the Civil War and World War I. Literature of an America in transition from agrarian provincialism to industrial urbanization, studied in characteristic works of such major figures as: James, Howells, Mark Twain, Crane, Dreiser, Norris, Garland, London, Robinson, Wharton and Henry Adams.
Seminar in Prose Fiction
Mr. Liddie
3 S.H. Class #C29 Period 3 SM139
The study and analysis of representative works and authors of prose narratives in the novel, novella, and short story forms; at least one work will be examined exhaustively.

GEOGRAPHY

615.10 Workshop on New Jersey, the Most Highly Urbanized State: Its Place in the American Megalopolis
Dr. Casper
3 S.H. Class #B40 Period 2 L7
The study and interpretation of the major geographic components of the urbanized northeastern seaboard of the United States based on an analysis of the development of the cultural environment in relationship to the natural environment. Development of a comprehensive knowledge of the regional geography of this area, of the systematic geography basic thereto, proficiency in techniques of geographic research acquired through field studies and individual research projects, and training in the selection, construction and utilization of Educational Media pertinent to the research projects.

HEALTH AND PHYSICAL EDUCATION

517.23 Health Science Instruction
Dr. Fulton
3 S.H. Class #B27 Period 2 P103
The course attempts to cover some of the more recent problems, concepts and advances in the areas of personal and community health and in the selection, investigation and application of modern techniques of classroom teaching to the health sciences.

517.38 Planning, Constructing, and Maintaining Physical Education Facilities and Equipment
Dr. McCollum
3 S.H. Class #B28 Period 2 P104
Principles and practices of planning and developing facilities and equipment for physical education, athletics, and recreation programs. Conventional and experimental designs will be investigated. Attention to be given to budgeting, long range planning and maintenance.

517.42 Theory and Practice of Physical Conditioning
Mr. Williams
3 S.H. Class #D23 Evening (5:15-7:30) P103
Investigation in depth of the scientific basis for physical conditioning work. Techniques and specific programs will be developed. Equipment and facilities will be studied.

517.47H Advanced Theory and Techniques in Sports and Activities—Modern Dance
Miss Clark
2 S.H. Class #G24 Evening (6:00-8:40 daily) Packer (Dance Studio)
June 10-June 21

517.47P Advanced Theory and Techniques in Sports and Activities—Golf
Miss Ryals
2 S.H. Class #G25 Evening (5:00-7:40 daily) P104
June 10-June 21

Investigation and application of recent information on theory, techniques, teaching and administrative procedures as they relate to specific sports, games, and activities in physical education. The specific area of study will be indicated by title and number modification each time the course is offered. Example: 517.47a Advanced Theory and Techniques in Sports and Activities (Football); 517.47b Advanced Theory and Techniques in Sports and Activities (Field Hockey); etc.
This interdisciplinary course is designed to aid the school nurse and special educational personnel (1) to recognize neurological, psychiatric, and developmental defects in school children; (2) to become familiar with methods of referral and resources for diagnosis, therapy, and rehabilitation; (3) to understand the social and emotional implications of these handicaps to the child and his family; and (4) to assist the school in planning an educational program for these children. Psychosocial and educational developments in this field will be developed on an interdisciplinary basis.

617.01 Foundations of the Health and Physical Education Professions I Dr. Runquist
3 S.H. Class #C30 Period 3 P104
Designed to introduce the student to graduate study and to provide opportunity for self-assessment of knowledge and skill, attitudes, work habits, inquiry, personal purposes and goals. The following topics will be included; goals and concepts, professional organizations, heritages and interrelationships to selected cultures, study of human movement.

617.64 Seminar in Personal and Family Living Dr. Fulton
3 S.H. Class #C31 Period 3 P103
Individual study of personal and family living. Development of increased knowledge and competence in the use of such knowledge in teaching. Development of teaching materials, analysis of tests and other resources.

617.95 Professional Seminar Dr. McCollum
3 S.H. Class #A30 Period 1 G220
Designed as a culminating experience for the graduate student in health, physical education and recreation. The seminar will include discussions, lectures and guest speeches. Emphasis will be placed upon probable trends and future responsibilities of the individual and the profession. An effort will be made to insure that a sound philosophy and foundation has evolved from the student's program of study.

617.99 Thesis Dr. McCollum
3 S.H. Class #F03 By Arrangement
Special attention is given to the selection of a research problem, its investigation and its development. Includes an exhaustive review of research in health and physical education.

HISTORY

518.02 Marxism, Socialism, Communism, Welfare State Dr. Hahn
3 S.H. Class #C26 Period 3 L206
This is an introductory and comparative course devoted to the study of the theories of Marx. Their interpretations, of Revisionism, Socialism, and the development of communist doctrines from Lenin to Mao Tse Tung. Further included are comparative examinations (a) of Socialism, Communism, and the welfare state and (b) of the structure of the Socialist and Communist parties. Finally various systems of socialism and communism as practiced in several countries outside Russia will be explored and analyzed.

518.12 Problems of Modern European Diplomacy Mr. Faughnan
3 S.H. Class #A28 Period 1 L206
A study of the development of foreign policies of European nations, and the forces which have shaped and altered them, through an examination of specific problems. Emphasis will be upon the late nineteenth and twentieth century.
A survey of New Jersey history from the colonial period to the present, with workshop activities focused upon areas of special interest to the individual student: e.g., colonial life, development of agriculture or industry, government and politics, audio-visual materials, education, or others. Field trips are planned to provide first-hand knowledge of the material evidences of New Jersey's past and present: historical sites and buildings, museums, farms and factories, natural resources. New Jersey provides interesting and significant illustrations of almost every phase in the growth and development of the United States.

INDUSTRIAL EDUCATION AND TECHNOLOGY

519.01 History and Philosophy of Industrial Education
3 S.H. Class #A31 Period 1
Dr. Dreves
Study of important events in the development of industrial arts and vocational education in the United States. History, objectives, practices, leaders in the field and their contributions.

519.02 Curriculum Construction in Industrial Education
3 S.H. Class #B29 Period 2
Dr. Dreves
A 73
Study of principles and techniques of course construction based on the analytical, judgmental, experimental, and consensual procedures. Planning, organizing, building, using, and evaluating teaching guides.

519.03 Evaluation in Industrial Education
3 S.H. Class #C33 Period 3
Dr. Brown SM113
Prerequisite: 519.02.
Principles of evaluation applied to shop and drawing subjects. Construction of various evaluation devices and their application in industrial arts. Improvement of instruction in industrial education through recording, interpreting, and using the results of the evaluation.

519.30 Dynamics and Problems of Vocational Guidance
3 S.H. Class #B30 Period 2
Dr. Brown SM113

519.50 The Development of American Industries
3 S.H. Class #E23 Evening (7:45-10:00) SM103
Mr. Kruppa
The study of America's technological society, its development, contemporary patterns, and emerging concepts. Emphasis is placed on the role of technology in our culture and its complex effects upon the individual and institutions.

519.80 Cooperative Industrial Seminar
3 S.H. Class #F04 By Arrangement Mr. Dresser
Mr. Williams,
Advanced study and research in industrial plants and industrial training institutes. Opportunity for advanced study in contemporary industrial facilities not otherwise available to industrial arts teachers.

519.87 Industrial Education Workshop (General Shop)
3 S.H. Class #C34 Period 3 A44
Mr. Kruppa
Advanced course for experienced teachers. Group study and pooling of ideas on problems in organizing and operating the comprehensive general shop. Selection and construction of projects and teaching aids; general shop organization and administration.

This special welding workshop is made possible through the cooperation of several leading manufacturers of welding equipment and supplies. Welding of all common metals by electric arc and oxyacetylene processes. Operation of gauges, tanks, torches, and various kinds of welding equipment with emphasis on modern safety practices. Strength of materials in welded joints. Technological developments of the welding industry. Design and testing of welded projects for industrial arts classes.

An advanced course for industrial education teachers. Topics covering the theory and principles of foundry methods, materials, tools and machines. Modern methods of molding including shell, carbon dioxide, and self-set will be emphasized as well as such casting processes as gravity and centrifugal. Several leading casting manufacturers have cooperated in the planning and development of this course. Opportunity will be provided for teachers to develop several of the most modern methods into activities appropriate to high school industrial education programs.

Advanced course utilizing industrial specialists in new photographic processes, materials, and techniques. Manufacturers of cameras and processing equipment will make available their latest equipment for workshop participants. Contemporary photographic technology will be stressed.

Study of techniques employed in educational and industrial research. Interpretation and critical analysis of literature related to industrial arts. Prerequisites: 519.01, 519.02, 519.03.

Offers opportunity for self-directed independent study under guidance. Enables the student to pursue needed study in a field in which appropriate courses are not being offered during a given semester. Not more than three hours of Special Problems. Enrollment by written permission of adviser.

The writing of a thesis or project is a recommended but not required activity. Each candidate, in consultation with his adviser, will determine the nature of the research requirement. Should the student elect to write a thesis or project, a maximum of six credit hours can be
applied to the degree requirements under this option. Students must continue to enroll for thesis until the research requirement has been satisfied. In the event that the thesis or project is not selected, the course, Special Problems in Industrial Education, will be required. Enrollment by written permission of adviser.

MATHEMATICS

621.98 Seminar in Mathematics Education Dr. Goldstein
3 S.H. Class #E24 Evening (7:45-10:00) SM101
Typical topics: impact of modern mathematics on secondary school programs, preparation of materials for teaching, analysis of college preparatory and non-college preparatory mathematics programs, analysis of textbooks and tests, study of a variety of proposals for modifying the high school mathematics program. Work from previous courses will be consolidated and applied to problems of teaching secondary school mathematics.

MODERN LANGUAGES

622.01 Languages and Music Mr. LoBue
3 S.H. Class #G28 1:30-2:50 B125
The sounds of the important languages in music; the phonetic structure of Italian, French, and German. A semantic study of the foreign language terms of music. The problem of translation; the loss of the original force of a musical composition and its words.

MUSIC

523.12 Private Applied Study (Elective by area) Mr. Austin
2 S.H. Class #H01 By Arrangement
Enrollment in this course indicates applied study which is apart from the curriculum requirements. Therefore, any private applied study taken in addition to required courses for any specified program must be listed as 523.12.

523.16 Orchestra Development I Mr. Berger
2 S.H. Class #H02 9:30-10:20 B-Studio A
This course will present in detail steps to the development of excellent intonation, tone quality and rhythmic concepts, in a specified, organized approach to the playing of strings for orchestra. An approach to the muscular habits in sequence; habits which develop technical speed, good tone quality and excellent intonation, as well as advancing bowing habits for rhythmic and phrasing concepts is completely developed.

523.46 Advanced Conducting I Mr. Berger
2 S.H. Class #H03 11:30-12:20 B-Faculty Lounge
This is a preliminary course in interpretative conducting, not a course in mere beat patterns. Actual muscular expression is developed within previously learned beat patterns as well as new appropriate expressive conducting movements. Movements of use to music educators as well as those accepted for professional work are developed.

523.65 Principles of Education in Instrumental Music (Strings) Mr. Berger
2 S.H. Class #H04 8:30-9:20 B-Studio A
This course presents basic principles of direct functional use in the development of a sound string program. Included are suggested mental processes, specific concepts for the teacher of motor movements and all essential disciplines. These are of direct functional use where scheduling is either on heterogeneous or homogeneous grouping.
623.02 Devices of Musical Force
2 S.H. Class #H05 12:30-1:20 B129
Mr. Austin

This course presents detailed information concerning musical styles and periods. From this, individual composers and the devices they employed for their music force plus an analysis of the possible or intended musical force reasoning behind the use of these various devices is presented. This is not a music history course; rather it concerns itself with a basis for interpretative insights.

623.03 Developing Interpretative Insights
2 S.H. Class #H06 10:30-11:20 B129
Mr. Austin

This course reveals various valid approaches to the interpretation of a musical composition. The various tools and their interpretative use as well as application and analysis of the contribution of individual lines to the musical force of the whole composition; implications and applications to rehearsal and practices as well as to actual concert conducting are a part of the course. Literature used consists of standard works that are practical in public school situations as well as more recently published works, also usable in public schools.

623.10 Private Applied Study, a-b-c
2 S.H. Class #H07 By Arrangement
Mr. Austin

This course affords opportunity for performance growth on the candidate's major instrument through private study. Lessons are arranged with members of the staff or with an artist-teacher from an approved list.

623.11 Private Applied Study, a-b-c (Vocal)
2 S.H. Class #H08 By Arrangement
Mr. Austin

Private applied voice study affords opportunity for performance growth and the development of the individual's vocal potential. Lessons are arranged with members of the staff or with an artist-teacher from an approved list.

623.30 Materials for Band
2 S.H. Class #H09 1:30-2:20 B-Studio A
Mr. Austin, Mr. Berger

This course is designed to offer an opportunity for defining exactly what materials best serve a specific situation. Thus, evaluation of materials, the organization of materials, assignment of use of specific materials and the creation of unique materials to meet the needs of specific situations and other relevant factors for the subject matter for the course. Each student will develop his own list of materials designed to meet his own specific situation. The course will present ample perusal material.

623.40 Choral Materials Seminar
2 S.H. Class #H10 11:30-12:20 B-Recital Hall
Dr. Harrison

This course is designed to meet the constant need of the teacher of choral music for good materials for each level and kind of group he meets. In a laboratory situation in which a gamut of materials are sung, heard, analyzed, and evaluated, experience in selection is gained while the scope in knowledge of choral materials is broadened. Music from all periods from 1600 to the present will be included. These materials will be presented in the order they are needed in the typical public school year. Each student will develop his own list of materials designed to meet both his technical demands and the limitations of his choral groups.

623.47 Advanced Conducting II
2 S.H. Class #H11 8:30-9:20 B234
Mr. Austin

This is an advanced course in interpretative conducting with an emphasis on application of skills developed in the courses, "Devices of Musical Force" and "Developing Interpretative Insights." This course continues and develops those processes initiated in 523.46.
623.80 Problems of the Marching Band Mr. Isch
2 S.H. Class #H12 3:00-3:50 B-Studio A
This course presents a complete process for the development of Marching Band work which serves rather than competes with valid music education goals. Every phase of the marching band is covered including festivals and contests. Of the thirty course hours, fifteen are allocated to problems brought to class by those enrolled. Some practical workshop experiences are included. A feature of the course is the development of football performances.

623.93 Music Drama Workshop Dr. Harrison
2 S.H. Class #H13 10:30-11:20 B-Recital Hall
This course is designed to serve a dual purpose. Purpose I—patterns of organization for effective production; survey of suitable materials and work with the preparation of dramatic and singing aspects of production. Purpose II—use of short musical dramatic efforts in the general music class and the writing and directing and scheduling of these. The use of this area as role play for the direction of thought, relevant to some specific need, i.e. psychological: (this to include writing and direction); the development of special ability with (a) make-up, (b) stage movement, (c) rehearsal techniques, and other directly applicable aspects.

623.97 Required Performance Project Mr. Austin, Mr. Berger,
2 S.H. Class #H14 By Arrangement Dr. Harrison
Candidates who wish to present a Recital, a Conducting Performance, or a Musical Composition as their final project are required to enroll in this course. The Music Department will appoint a Departmental Committee to assist each candidate in the pursuit of his project. The office of the Coordinator of Graduate Music Programs will supply all added necessary information pertinent to the completion of each specific type of project.

623.99 Thesis Mr. Berger
3 S.H. Class #H15 By Arrangement
Music Education: A critical study of some general or specific aspects of Music Education of interest to the student that has been explored in the departmental seminar, under faculty guidance, and approved by the Graduate Council of the College.

PSYCHOLOGY

525.40 Psychology of Learning Dr. Lide
3 S.H. Class #B33 Period 2 K205
Leading theories of learning and their experimental bases. Analysis of the role of learning in perception, motivation, and personality development.

525.47 Measurement and Evaluation Dr. Smith
3 S.H. Class #A32 Period 1 K202
Selection, administration, and interpretation of standardized group evaluation instruments commonly used in education, psychology, and guidance. Introduction to individually administered measures in educational and vocational advisement. Stress on professional obligations of users of evaluation instruments. This course requires acquaintance with the basic principles of descriptive statistics.

625.05 Assessment of Individual Differences Dr. Lide
3 S.H. Class #A33 Period 1 K205
Prerequisite: 525.47 Measurement and Evaluation or its equivalent. Introduction to advanced techniques of assessing personality and intellectual functioning. Emphasis on children and youth. Case report reading and analysis. Professional obligations in handling test material.
625.08 Advanced Child Growth and Development  Dr. Campbell
3 S.H.  Class #C35  Period 3  L207
Prerequisite: 6 hours of psychology including child psychology.
A consideration of the concepts and theories from learning, developmental psychology and psychoanalytic ego psychology that have been particularly useful in clarifying the problems of child development, and have been fruitful in research on children. Important areas of scientific uncertainty and controversy discussed.

SCIENCE

526.10 History and Philosophy of Science  Dr. Nechamkin
3 S.H.  Class #D25  Evening (5:15-7:30)  SM103
This course will trace the evolution of twentieth century science from the science of ancient civilizations to the present. It will show how the scientific revolution of the sixteenth and seventeenth centuries influenced the philosophy and social structure of the time. The nature and importance of scientific methods and attitudes and their development will be considered. The function of science as an agent of industrial and intellectual change will be stressed.

526.46 Demonstrations and Laboratory Experiences in the Physical Sciences  Dr. Pregger
3 S.H.  Class #C36  Period 3  SM333
Lab: Thursday 2:00-3:40
Prerequisites: General College Physics and General College Chemistry
The aims and objectives of the teaching of the physical sciences in high school will be considered briefly. A study of the purposes and uses of laboratory experiments and demonstrations will be emphasized. Existing laboratory manuals and workbooks will be evaluated. The major portion of the work will consist in developing and perfecting numerous demonstrations and laboratory experiments for use in teaching. Enrollment is limited to 24 students.

526.50 Physiological Chemistry  Dr. Nechamkin
3 S.H.  Class #C37  Period 3  SM315
Lab. Wednesday 2:00-3:40 SM319
Prerequisite: General College Chemistry.
This course presents the fundamentals of the biochemistry of cells and metabolism and is particularly directed to students with a primary interest in the biological sciences.

526.55 Advanced Microscopical Techniques  Dr. Vena
3 S.H.  Class #G29  2:00 P.M.-3:00 P.M. Monday and Thursday plus 9 hours of laboratory to be arranged  SM217
A course in theory and application of technical methods, apparatus and materials. Designed to supplement techniques which were acquired on the undergraduate level. (1 lecture, 4 laboratory hours.)

526.97 Seminar in Science Education  Dr. Pregger
2 S.H.  Class #D26  Evening (5:15-6:40)  SM201
Prerequisites: Open only to qualified graduate students matriculated in science programs.
Designed to acquaint the science teacher with recent developments in science education. Included will be a study of recent courses of study, research papers and articles in science education journals. An effort will
be made to insure that each student develops a sound philosophy of science teaching. Emphasis will be placed on the interrelatedness of the sciences and the impact of recent developments on our society. Guest speakers will be invited to speak on such topics as the Nature and Design of an Experiment, and the Application of Scientific Methods to Social Problems.

**626.75 Quantum Mechanics**

Dr. Moses  
3 S.H. Class #G30  
Evening (6:00-8:45) SM315, SM301  
Prerequisites: General Physics, Calculus, Electricity and Magnetism, Modern Physics. Also desirable to have had a course in Differential Equations.

**Course Description**

This course develops quantum mechanical concepts and applies mathematical methods developed to the solution of such problems as the structure of the hydrogen atom and alkali atoms. The Schrödinger approach is used throughout the course and usage is made of the Thomas-Fermi potential for the solution of the alkali atom structure.

**SOCIOLoGY**

**527.04 The Community: Its Social and Organizational Structure**

Dr. Gillen  
3 S.H. Class #B25  
Period 2 L202  
An analysis will be made of the structure and dynamics of the community in both its formal, institutional aspects and its more informal, associational aspects. Economic, political, religious, racial and ethnic, status, cultural, and ameliorative forces will be studied to note the effects they have upon the young. Particular attention will be directed to those voluntary community agencies aiming to serve families and the young in particular. Prerequisite: 227.01 Community and Society, or equivalent.

**527.05 Social Pathology and the Student**

Dr. Wolcott  
3 S.H. Class #C28  
Period 3 L201  
An examination of factors such as family tensions, neighborhood deterioration, poverty and dependency, vice and crime, racial and ethnic conflict, excessive mobility and alcoholism and drug addiction which contribute to the socially and emotionally disturbed children and youth. Attention will be paid to the amelioration of these problems and with ways of more positive adaptation to them. Whenever relevant and available, consultants will be used.

**527.30 Leaders in Sociological Thought**

Mr. Shornack  
3 S.H. Class #C27  
Period 3 L202  
An historical analysis of the contributions of sociological thinkers to the understanding of social structure and social process. An effort will be made to show how thinkers like Durkheim, Weber, W. I. Thomas, Veblen, Parsons, Merton and others reflect their time and have left their impression on the developing discipline of Sociology. Prerequisite: 3 hours of Sociology.

**SPEECH**

**528.20 Puppets and Playmaking**

Dr. Ahrens-Dr. Wagner  
510.20  
6 S.H. Class #G20  
Periods 2 and 3  
(10:00-12:50) K (Small Aud.)  
A practical integrated course designed for different age levels at the desire of student groups. Two aspects of creative art will run concurrently: (a) the making and manipulation of hand, rod, and shadow puppets and marionettes; technical aspects of the production of puppet
and marionette shows, such as booths, stages, lighting and scene design; (b) the creation of informal plays for children; technical aspects of children's plays inclusive of lighting, scene design, and blocking-out of action. The culmination of the course will be the actual production of various types of puppet and creative plays for child audiences. Students will be expected to purchase a few materials; cost not to exceed $2.50 per person.

SPECIAL EDUCATION

529.06 Education and Psychology of Exceptional Children and Youth

3 S.H.  Class #A34  Period 1  G10
An introductory course to the education and psychology of the handicapped. Incidence, characteristics, and etiology of exceptionality with an emphasis on the development of insight into the psychosocial aspects of disability. General principles, techniques, materials, and learning theories applicable to the education of exceptional children and youth will be explored.

529.07 Diagnostic Evaluation of Exceptional Children

3 S.H.  Class #B34  Period 2  G10
Prerequisite or corequisite: 529.06 or equivalent.
Introduction to the instruments and procedures employed in identifying individual psychological and educational differences among exceptional children and youth. The role of the teacher in the diagnosis and remediation of learning handicaps will be stressed.

529.62 Developing Oral Communication for the Deaf and Hard-of-Hearing

3 S.H.  Class #G31  9:00-3:00  Alumni Lounge (July 1-July 19)
Prerequisite or corequisite: 529.06 or equivalent.
A study of audiometry, hearing aids, and auditory training. Techniques and methods of developing and correcting speech in deaf children through auditory training with individuals and groups. Attention to measurement of hearing and the use of individual and group hearing aids in classroom situations.

529.68 Neurological and Developmental Problems in School Children

517.68  Mr. Ferber
3 S.H.  Class #C32  Period 3  G10
This interdisciplinary course is designed to aid the school nurse and special educational personnel (1) to recognize neurological, psychiatric, and developmental defects in school children; (2) to become familiar with methods of referral and resources for diagnosis, therapy, and rehabilitation; (3) to understand the social and emotional implications of these handicaps to the child and his family; and (4) to assist the school in planning an educational program for these children. Psychosocial and educational developments in this field will be developed on an interdisciplinary basis.

529.70 Education of the Culturally Deprived

3 S.H.  Class #C38  Period 3  G12
“Culturally deprived” children and youth—often identified as mentally retarded, slow learner, socially and emotionally maladjusted, and the core of the school dropout problem—will serve as the center of concern. Emphasis on the practical and immediate approach by the public schools in meeting the educational needs of these children. Psychological, social, and guidance research studies and bibliographic materials concerned with learning problems of the deaf will be reviewed.
This course, to be offered on an interdisciplinary basis, will include extended practicum experiences based on the application of learning theories to the emotionally and socially maladjusted child. An overview of the various perceptual impairments, will be considered as well as diagnostic approaches to learning disabilities. Remediation of reading disabilities will be stressed. Emphasis, throughout the course content and field experiences, will be placed upon the development of competencies in the application of a variety of approaches to effect remediation in individual children. It will attempt to provide the student with conceptual skills and insights which will enable him to select those approaches which pertain to the specific problems underlying the learning disabilities of the child.

A minimum of 60 clock hours of practicum experiences will be required in addition to course work. Rotation of field experiences in a variety of settings and an extended practicum experience in one agency will be included. Open only to students matriculated in the program for teaching the socially and emotionally maladjusted.

Principles and practices of the guidance and rehabilitation process for exceptional children and youth with particular emphasis on evaluation, training, placement, and counseling. The role of the special educator; psychologist; social worker; guidance counselor; physical, occupational and speech therapist; physician; and others on the interdisciplinary team serving exceptional children and youth will be explored. The resources of schools, clinics, residential centers, sheltered workshops, and other public and private agencies serving exceptional children and youth will be identified.

Identification and analysis of the current issues and problems in the field of mental retardation through critique of research studies. Required of, and open only to, matriculated students in the graduate program in mental retardation. Culminates in either a comprehensive examination or the selection of a thesis topic. Is the terminal course in the program for students electing the option of the comprehensive examination. Students electing the thesis option will follow this course with registration in 629.99 Thesis.

Identification and analysis of the current issues and problems in the field of the deaf and hard-of-hearing through critique of research studies. Required of, and open only to, matriculated students in the graduate program in deaf and hard-of-hearing. Culminates in either a comprehensive examination or the selection of a thesis topic. Is the terminal course in the program for students electing the option of the comprehensive examination. Students electing the thesis option will follow this course with registration in 629.99 Thesis.
Identification and analysis of the current issues and problems in the field of social and emotional maladjustment through critique of research studies. Required of, and open only to, matriculated students in the graduate program in social and emotional maladjustment. Culminates in either a comprehensive examination or the selection of a thesis topic. Is the terminal course in the program for students electing the option of the comprehensive examination. Students electing the thesis option will follow this course with registration in 629.99 Thesis.

A critical study of a general or specific aspect of special education of interest to the student, under the guidance and advisement of a Faculty Thesis Committee, appointed by the College Graduate Council.

**DISTRIBUTIVE EDUCATION**

**531.03 Organization and Administration of Distributive Education**

3 S.H. Class #C39 Period 3

Background, aims, coordination techniques, and administrative policies for organizing and operating distributive education programs in the secondary schools. A study of the federal and state laws upon which such programs are operated. The philosophies underlying the vocational technical education movement in the United States. Consideration of federal, state and local supervision, physical layout of department, selection of instructional materials and equipment, pupil records, job analysis and surveys, follow-up standards, and public relations programs. State plan as well as relationship of distributive education to the total education program.

**531.25 Coordination of Distributive Education**

3 S.H. Class #B39 Period 2

This course acquaints the teacher with the duties of the coordinator in respect to program building and promotion, instruction, supervision and public relations.

**531.80 Workshop Problems of Distributive Education**

1 S.H. Class #F08 August 5-August 9 (Hours to be arranged)

An opportunity for discussion of individual problems and experience in teaching, organizing, and administering programs of distributive education.
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**PERIOD 2**

10:00-11:20

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2 Laboratory: Thursday, 2:00-3:40.
3 Laboratory: Wednesday, 2:00-3:40.
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**Faculty Assignments**

- Runyon: G10
- Lehman: G7
- Lockwood: A73
- McIlroy: SM115
- Shea: G202
- Trowbridge: G206
- Jeffries: G211
- Romano: L56
- Yengo: G210
- Wood: K205
- Diskin: K209
- Erath: L207
- Williams: P103
- Allen: L202
- Edelbach: A3
- Edelbach: A73
- Brown: L211
- Cromack: SM137
- Ehrenpreis: SM102
- Battin: SM138
- Goldstein: SM101
- Steele: B126
- Lucas: B127
- Steinman: K202
- Nechamkin: SM103
- Pregger: SM201
- Cicchetti: G220
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<td>Workshop Problems of Distributive Education</td>
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† For details refer to the appropriate departmental schedule.
NEW JERSEY STATE
SCHOOL OF CONSERVATION
John J. Kirk, Director

SUMMER SESSION 1968

Program offerings at the School of Conservation include:

1. Teacher Education as an on-going part of the six state colleges.
2. Cooperative Demonstration Outdoor Education and School Camping Programs with public school systems on elementary, junior high and senior high school levels during the school year.
3. Undergraduate and in-service courses during June, July, and August.
4. Summer Youth Conservation Program during July and August.
5. Workshops, Conferences, and Weekend Groups throughout the year (College and Conservation-minded groups have preference).

COURSE OFFERINGS

June 14-23, 1968

Biology 203
Introduction to Field Biology
2 Semester hours
Dr. Marie Kuhnen

June 23-August 24, 1968

Education 443
Practicum in Camping Education
(for camp staff only)
3 Semester hours
Dr. John J. Kirk

Education 444
Practicum in Conservation Education
(for camp staff only)
2 Semester hours
Dr. John J. Kirk

July 8-August 16, 1968

Experienced Teacher Fellowship Program

Education 517.97C
Practicum in Outdoor Education and Conservation
(for Experienced Teacher Fellowship Program members only)
2 semester hours
Instructor, T.B.A.

Science 405
Field and Laboratory Studies in Science
(for Experienced Teacher Fellowship Program members only)
4 semester hours
Instructor, T.B.A.

August 14-23, 1968

Education 440
Outdoor Education and Camping
2 semester hours
Mr. Clifford E. Knapp

Education 480
Field Science for Elementary Teachers
2 semester hours
Dr. John Rosengren

LOCATION

The School of Conservation is located in Stokes State Forest. It borders Lake Wapalanne and is about nine miles northwest of Branchville, off Route 206, in Sussex County, New Jersey. It is accessible by hard surfaced roads.

MAILING ADDRESS

For information and application write to:
Dr. John J. Kirk, Director
New Jersey State School of Conservation
Branchville, New Jersey
<table>
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To complete registration by mail:
1. Detach Registration Card (X100) along perforation.
2. Complete both sides of the registration card accurately and completely.
   a. Course data must be printed exactly as listed in the catalog.
   b. Complete all information requested concerning college status, certification, residence, employment and objective.
3. Enclose check or money order only (payable to Trenton State College) for the exact amount of tuition and fees.
4. Sign the registration card and mail to Summer Session Office, Trenton State College, Trenton, N. J. 08625.

Mail registration will not be honored or accepted if received after May 22, 1968.

ALL STUDENTS REGISTERING FOR GRADUATE COURSES MUST REGISTER IN PERSON.

TRENTON STATE COLLEGE

Semester: Fall □ Spring □ Summer □ 19. ...... Curriculum ................. Date .................

Name: ........................................................................................................

Home Address ..........................................................................................

Home Phone ............................................................................................

Professional Address ..............................................................................

Present Employment: Teaching in Grades ............................................. Other: ............................................................... ...........................


I have attended Trenton S.C. as a full-time day student: □ 1. Yes □ 2. No Dates ..........................

I have attended another college previously: □ 1. Yes □ 2. No Dates .......................... Institution ....................... 

Teaching Certificate Held: Objective: .............................................. Residence Status: .............................................. Expect to Graduate This Year: As a veteran I plan to use P.L. 89-358


□ 4. Other □ 4. Other □ Yes □ No Dates ........................................... Institution .......................... 

Graduate Students Only

Inst. Granting Baccalaureate Degree .............................................. Year .......................... Major ..........................
### Courses Requested (Copy exactly as listed in catalog)

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### Adviser's Signature


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**THIS SECTION TO BE FILLED OUT BY STUDENTS ENROLLING WITH TRENTON STATE COLLEGE FOR THE FIRST TIME**

Place of Birth: ........................................ Date of Birth: ........................................

Are you a high school graduate or do you possess a certificate of equivalency? Yes □ No □

Have you ever been dismissed from any college or university for:

- Unsatisfactory academic work? Yes □ No □
- Disciplinary action? Yes □ No □

If dismissed, name of institution: ........................................ Date: ........................................

I certify that the foregoing statements are true and accurate to the best of my knowledge. Falsification of this application may result in dismissal from courses and/or denial of course credit.

(Signature) ........................................ (Date) ........................................
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<td>August</td>
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<td>Graduate Bulletin</td>
<td>February</td>
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