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Course Catalogs

Summer 6-1-1975

Course Catalog, Summer 1975

Kean College of New Jersey

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SUMMER 1975

**KEAN
COLLEGE
OF NEW JERSEY**



formerly Newark State College

Kean College of New Jersey is pleased to publish its 40th summer schedule; close to four hundred courses and workshops in the arts and sciences, technologies and interdisciplinary studies for graduate and undergraduate men and women.

This summer, as in the past, the College expects to serve some 8,000 students at its Union campus, at the center in Neptune and at Brookdale Community College, Lincroft.

The Union campus is an ideal summer setting — 120 acres of woodland and broad lawns, with swimming pool, tennis courts and other recreational facilities. Comfortable on-campus residence is available in the College Apartments.

The location of the campus is excellent. Its proximity to the metropolitan area and access to major networks of transportation make continuous cultural and intellectual interchange between the cities and the College possible.

Parking for visitors and for commuting faculty and students is provided.

For all information on Summer 1975 contact:
Office of Summer Session and Special Programs
Kean College of New Jersey
Union, New Jersey 07083
Telephone (201) 527-2163



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Calendar for Summer 1975

Apr.	4	Friday	Advance registration deadline: Interession/Summer Session
May	17	Saturday	CLEP Exam. Registration for Interession
Interession			
June	2	Monday	Classes begin
June	6	Friday	Registration for Summer Session
June	7	Saturday	Registration for Summer Session
June	13	Friday	Last day to withdraw from Interession courses
June	16	Monday	Last day for filing notice of intention to graduate in August—Master's degree candidates only
June	20	Friday	Classes end
June	21	Saturday	CLEP Exam
Summer Session			
June	23	Monday	Classes begin
July	4	Friday	Independence Day—no classes
July	7	Monday	Last day to withdraw from first three-week Summer Session courses
July	10	Thursday	First three-week classes end
July	14	Monday	Last three-week courses begin
July	18	Friday	Last day to withdraw from six-week Summer Session courses
July	19	Saturday	CLEP Exam
July	25	Friday	Last day to withdraw from second three-week Summer Session courses
July	31	Thursday	Examinations and end of Summer Session: Union, Brookdale and Neptune

General Information



Tuition and all college fees, expenses and refunds are established by the New Jersey Board of Higher Education and subject to change by the Board. All payment is made by check drawn to Kean College of New Jersey.

TUITION *per semester hour*

UNDERGRADUATE STUDENT: NEW JERSEY RESIDENT	\$20.00
UNDERGRADUATE STUDENT: NON-RESIDENT	40.00
GRADUATE STUDENT: NEW JERSEY RESIDENT	35.00
GRADUATE STUDENT: NON-RESIDENT	45.00

FEES

REGISTRATION	2.00
Required at each registration and non-refundable	
STUDENT SERVICE FEE	1.25
Per semester hour	
LATE REGISTRATION	5.00
CAMPUS PARKING FEE	4.00
September through Intersession	
CAMPUS PARKING FEE	4.00
Summer Session	
TRANSCRIPTS	1.00
Obtained through Records Office	
HOUSING	170.00
Summer Session only	

Billing and Payment

ADVANCE REGISTRATION

Intersession Bills are mailed on or about April 21 with payment due no later than May 7.

Summer Session Bills are mailed on or about April 3 with payment due no later than May 14.

Students are reminded that failure to meet these deadlines will result in forfeiture of advance registration and will require waiting for In-Person Registration.

IN-PERSON REGISTRATION

Payment is made at the time of registration.

Refund of Tuition

Students who withdraw from a course may be granted a refund of tuition and certain other fees on the following basis:

Withdrawal before session begins/Intersession-June 2; Summer Session-June 23	90%
Withdrawal during first third of session/Intersession- June 6; Summer Session-July 3	50%
No refund thereafter	

Tuition is refunded in full if a class is cancelled by the college.

For billing and payment, see opposite page.

ADVANCE REGISTRATION

Intersession/Summer Session March 31-April 5. Open to all matriculated degree or non-degree students (see *Classification*). These students will have received Permit to Register cards prior to March 31 and may pick up advance registration materials during this period at the Registration Office, Administration Building, first floor. Materials must be returned to the Registration Office no later than 6:00 p.m., April 5.

IN-PERSON REGISTRATION

Intersession

UNION CAMPUS

May 17	9:00 a.m.-12:00 noon	All students
June 2	4:00-6:00 p.m.	Late registration
June 3	4:00-6:00 p.m.	Change of registration

Summer Session

UNION CAMPUS

June 6	2:00-7:00 p.m.	Matriculated students and students with degrees
June 7	9:00 a.m.-12:00 noon	All other students
June 20	2:00-6:00 p.m.	Late registration
June 23,24	1:30-6:00 p.m.	Change of registration

NEPTUNE CENTER

June 10	4:00-5:30 p.m.	All students
June 23	5:00-7:30 p.m.	Late registration

BROOKDALE COMMUNITY COLLEGE

June 12	4:00-5:30 p.m.	All students
June 23	5:00-6:00 p.m.	Late registration

*Registration only for courses offered at these locations.

\$3 building fee charged.

The College makes every effort to maintain the schedule of courses as announced. However, the right is reserved to withdraw courses, change instructors or change the schedule of classes at any time without previous announcement.

Classification of Summer Session Students

Graduate and undergraduate students enrolled in the Summer Session are classified as follows:

Matriculated students — those who have completed all college entrance requirements and are enrolled in a degree program at the College.

Non-degree students — those who have been accepted into a non-degree program.

Prematriculated — those who are following a prescribed program leading to matriculation.

Non-matriculated students — those who are not candidates for a degree at Kean College of New Jersey.

Work Load

Unless prior approval has been given by the Office of Academic Planning, only one course may be taken during intersession. No more than two courses may be taken during summer session.

Accreditation and Affiliation

Kean College of New Jersey is accredited by the Middle States Association of Colleges and Secondary Schools and many of its programs are approved by the National Council for Accreditation of Teacher Education. The College is licensed by the New Jersey State Department of Higher Education and retains memberships and affiliations which include the following:

National Commission on Accrediting
 American Association of State Colleges and Universities
 American Association of Colleges for Teacher Education
 New Jersey Association of Colleges and Universities
 American Association of University Women (corporate)
 American Council on Education
 College Entrance Examination Board
 National School Public Relations Association
 Association of College Registrars and Admissions Officers
 Association for Field Services in Teacher Education
 Association of University and Evening Colleges
 Association for Institutional Research
 American College Public Relations Association
 World Future Society

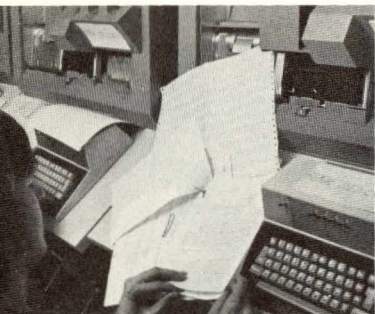


Academic Studies

Kean College of New Jersey offers instruction in the following academic areas. Separate undergraduate and graduate catalogs are published in which information on curricula, admissions and fees is fully detailed.

GRADUATE PROGRAMS

Administration and Supervision
 Audiology and Communications Science
 Early Childhood Education
 Education and the Behavioral Sciences
 Education and the Contemporary Civilization
 Education and the Humanities
 Elementary Education — Advanced Specialization
 Fine Arts Education
 Learning Disabilities Specialist (Certification Program)
 Mathematics Education
 Reading Specialist
 School Psychology (Professional Diploma)
 Speech Pathology
 Teaching the Emotionally Disturbed and Socially Maladjusted
 Teaching the Mentally Retarded
 Student Personnel Services (Guidance and Counseling or School Social Work)



UNDERGRADUATE STUDY AREAS

School of Arts and Sciences

Afro-American Studies
Art History
Biology
Chemistry
Computer Science
Earth and Planetary Environments
Economics
English
Fine Arts
Foreign Languages
Geography
History
Interior Design
Management Science
Mathematics
Music
Philosophy and Religion
Physics
Political Science
Psychology
Public Administration
Sociology
Social Work
Speech-Theatre-Media Studies
Visual Communications

School of Education

Bilingual Education
Early Childhood Education
Elementary Education
Health
Industrial Studies
Industrial Technology
Library Science
Physical Education
Reading
Secondary Education
Speech and Hearing
Teacher of the Handicapped
Urban and Outdoor Recreation

Interdisciplinary

Environmental Studies
Future Studies
Geoscience Technology
Instructional Media
Marine Sciences
Medical Technology
Pre-Law
Urban Studies

Veterans Benefits

Kean College of New Jersey is approved for the training of veterans. To be certified for benefits the applicant must secure a Certificate of Eligibility (VA Form 21E-1993) from the Veterans Administration at 20 Washington Place, Newark 07102. Once this is obtained and the veteran has registered for classes, he should promptly submit the certification form indicating his school attendance.

VIP, Veterans' Identity Program, offers entrance to college for Vietnam-era veterans through programs tailored to their individual needs. This includes college-level refresher courses and tutorial programs. Enrolled veterans are eligible for educational benefits offered through the G.I. Bill.

Other information of interest to ex-servicemen and women, such as job placement, counseling, etc., is available through the Office of Veteran Affairs, Kean Building, tel. (201) 527-2028.

Certification

Kean College of New Jersey offers the following certification programs:

Elementary Education
Nursery Education
Reading
Teacher Librarian

Subject Certificate — English, Fine Arts, Foreign Language, Industrial Education, Mathematics, Music, Physical Education, Science, Social Studies, Special Education.

The preceding programs are designed for persons who already hold degrees with the exception of Industrial Studies, in which certification may be based on work experience; and group nursery school qualification. All other students who have no degrees must be certified through degree programs.

High school graduates may enter the group nursery school qualification program, which requires 21 s.h. of college coursework, 2 years experience as assistants in approved nursery schools under qualified supervision and enrollment in college programs leading to eventual degrees.

Students in the following categories should consult their county superintendents of schools for official evaluation of their college credits:

those who have completed a state-approved teacher education program in another state;
those with at least one year of successful teaching experience under an appropriate certificate in another state, or with three years teaching experience in New Jersey;
those being offered employment in a New Jersey public school upon request from a superintendent of schools;
those who already have New Jersey certification in one field and wish to secure an additional teaching authorization.

For applications and other information contact: Certification Office, Administration Building, 1st floor, tel. (201) 527-2240.

College Level Examination Program

CLEP general examinations and subject examinations are given on the third Saturday of each month.

The College Level Examination Program was designed by the Educational Testing Service to test and recognize the knowledge gained by non-traditional ways. Kean College of New Jersey will accept up to 30 credits for the general examinations when a score in the twenty-fifth percentile or better is earned. Up to 15 credits will be accepted from the subject examinations with scores in the fiftieth percentile. Matriculated Kean College students will be charged a \$5.00 per course recording fee in order to have credit posted on transcripts. Registration forms are available in the Administration Building, 2nd floor.

Academic and Career Planning and Placement

Students desiring professional assistance regarding their programs of studies or placement should consult the Office of Academic and Career Planning and Placement. Located on the 1st floor of the Administration Building, the office is open from 8:30 a.m. to 8:00 p.m. Monday, Tuesday, and Thursday and from 8:30 a.m. to 4:30 p.m. Wednesday and Friday. Tel. (201) 527-2030.

Part-time and undergraduate summer employment is arranged in the Office of Financial Aid.

The Evening Office

The Evening Office is an information center for evening students and faculty. Inquiries concerning such matters as room assignments, faculty teaching locations, transcript requests, withdrawal procedures, changes of name and/or address, and academic advisement may be directed to this office.

The Evening Office is located in Willis Hall, room 109, tel. (201) 527-2566. During Intersession, the Office is open until 8:00 p.m., Monday through Friday; during Summer Session on Monday, Tuesday and Thursday until 8:00 p.m., on Wednesday and Friday until 4:30 p.m.

Class Attendance

Class attendance is optional for all students, subject to the following limitations:

Students are obligated to be present for announced quizzes and examinations. Students who are absent from announced quizzes and/or examinations without substantial excuse (as determined by the professor) shall be subject to failure;

Absence from laboratory or studio sessions shall be by prior agreement with the instructor.

Students are reminded that absence from class neither relieves them of responsibility for course requirements nor absolves them from mastering the subject matter dealt with in class.

Grading

The academic standing of a student in every subject is reported at the end of each semester by a letter grade.

Credit is granted for the following:

A — Excellent

B — Good

C — Fair

D — Poor

P — Passing

Student teaching is graded on a Pass/Fail basis.

No credit is granted for the following:

F — Failure

Inc — Incomplete Work

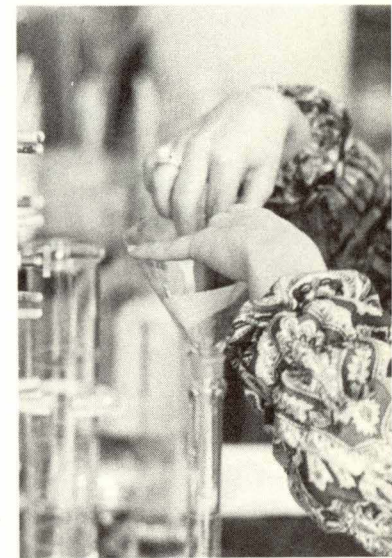
WD — Withdrawn

Incomplete A grade of "Incomplete" may be reported for a student who has carried a course with a passing grade until the end of the semester and then because of illness or other unusual and substantiated cause has been unable to take or complete the final examination or to complete some limited amount of assigned work. An "Incomplete" must be removed by the last day of the fall 1975 semester. Any "Incomplete" not removed at the end of this period automatically becomes an "F."

Withdrawal A student who withdraws from a course must give written notice to the Office of Academic Administration Services before the last third of the course. Students who neglect to follow this procedure will receive a failing mark for the course or courses which they cease to attend. In computing refunds, the date of withdrawal is the date on which the college received a written notice from the student.

Pass/Fail An undergraduate matriculated student in good academic standing who has earned at least 30 semester hours of credit may, at any time before graduation, select a maximum of six courses from free electives to be taken on a *Pass/Fail* basis. Academic credit is granted only for courses where the earned grade is "P." The cumulative grade-point average is not affected by work done on a *Pass/Fail* basis. A grade of "P" will be interpreted as achievement at the level of "C" or better. A grade of "U" will represent failure.

The *Pass/Fail* option must be declared at the time of registration and cannot be changed once declared.



A GUIDE TO SUMMER ACTIVITIES FACILITIES AND SERVICES



A full program of recreational activities and facilities is available at the Union Campus for summer recreation.

A schedule of events, published as the summer session begins, lists all films, lectures, performing arts and athletics.

Informal social hours with refreshments are held on Wednesday mornings from 9:15-9:45 on the Library Terrace and on various evenings at Willis Hall from 7:30-8:00.

Students also enjoy access to the swimming pool, tennis courts, gymnasium and outdoor facilities. Permission is secured through the Office of the Director of Athletics.

Bookstore

The Bookstore, located in the Student Services Building, stocks a complete selection of required texts for all courses. In addition, there is a large collection of paper-bound books, jewelry, stationery and novelties.

For the first two evenings of the summer session, the bookstore will be open until 8:00 p.m.; otherwise, the hours are as follows:

INTERSESSION

June 2,3 — 9:00 a.m.-8:00 p.m.

June 4-20 — Mondays, 9:00 a.m.-7:30 p.m./Tuesdays through Fridays, 9:00 a.m.-5:00 p.m.

SUMMER SESSION

June 23,24 — 9:00 a.m.-8:00 p.m.

June 25-July 31 — Mondays, 9:00 a.m.-7:30 p.m./Tuesdays through Fridays, 9:00 a.m.-5:00 p.m.

College Cafeteria

The College cafeteria, which is located in Downs Hall, serves breakfast and lunch to students, faculty and College employees. A wide variety of salads, sandwiches, hot meals, and foods from the grill are available from 9:00 a.m. to 1:30 p.m.

Nancy Thompson Library

The facilities of the Library include 700 seating stations from conference rooms to individual and research study carrels, Curriculum Materials Room, Special Education Instructional Materials Center, Audio Visual Services, extensive book collections, periodicals and microfilm. Library hours are as follows:

INTERSESSION

Monday through Friday, 8:00 a.m.-10:00 p.m.

SUMMER SESSION

Monday through Thursday, 8:00 a.m.-10:00 p.m.

Fridays, 8:00 a.m.-4:00 p.m.

Child Care and Activities Program for Children of Summer Session Students

A child care center for children ages 2-5 and an activities program for children 6-12 will be conducted during the six weeks of summer session, Monday through Thursday from 8:15 a.m. to 1:50 p.m. Children may be involved in the programs for the entire time or for any portion of the time to fit the parent's schedule.

The child care center, under the direction of the Early Childhood Department, will feature arts and crafts and play activities for the younger children in the Campus School North.

The program for older children emphasizes individual and team sports, dance, games and camping skills supervised by the Department of Health and Recreation.

Enrollment is limited on a first come, first served basis. A nominal fee will be charged according to the time involved. For additional information and an application form, contact the Office of Summer Session and Special Programs, tel. (201) 527-2163.

Summer Housing

Students studying at Kean this summer may take advantage of the opportunity of on-campus residence in the College's newly constructed midrise apartment complex. Unlike the traditional dormitory style, these units feature 244 two-bedroom apartments and 20 one-bedroom apartments, each with private bath and modern science kitchen facilities. Each apartment is attractively furnished, completely carpeted and centrally air conditioned. Separate thermostats, television hookups and telephone service are available. Laundry facilities are also included on each floor.

Housing costs are listed in Fees and Expenses, page 6. Those interested are advised to contact the Housing Office, Bldg. 4, Apt. 110, tel. (201) 527-2114 or 2115.

Parking

All cars operated or parked on college property must have parking permits. Students may purchase permits at the time of registration. After the registration period, permits may be obtained at the Parking Office, Office of the Director of Facilities, Maintenance Warehouse Building, between the hours of 8:00 a.m. and 4:00 p.m. Fees are listed on page 15.

During the first week of classes, the Parking Office will remain open until 7:30 p.m., Monday through Thursday. Parking decals may be purchased during this time.

The college assumes no responsibility for the car or its contents while it is parked on college property.

Faculty parking lots are designated by yellow lines or posted signs. Students are not allowed to park in these areas.

Special areas designated 'MEDICAL PERMITS ONLY' are reserved for vehicles with medical permits. To obtain a medical permit, coordination with the Health Center and then the Parking Office is required.



Counseling Center

The Counseling Center, located in room 143 of the College Center, provides a broad range of psychological services including individual consultation, vocational and personality testing, and group interactional experience. The services are designed to facilitate personal growth and development and to assist students in coping with emotional pressures and dysfunction.

All consultation is completely confidential with no information ever leaving the Center except by request or consent of the student.

All leaves of absence are now processed through the Counseling Center except those given for medical reasons.

The professional staff consists of four Psychologists and a Consultant Psychiatrist who are available for consultation by appointment or on a walk-in basis. Advance appointments may be made by calling (201) 527-2082.

From June through August the Center is open from 8:30 a.m.-4:30 p.m., Monday through Friday.

Health Services

The College Health Service is located in the bookstore building and is open during regularly scheduled summer classes from 8:00 a.m. to 10:00 p.m. Offered at no or low cost to students are first aid and emergency care, short term medical and psychiatric treatment, health information, consultation and referral treatment of venereal disease, pre-marital blood tests, pregnancy testing and birth control information, physical examination for intercollegiate sports, vision and hearing testing, health pamphlets and student medical insurance.

Four physicians in the fields of internal medicine, gynecology, orthopedics and psychiatry are available on a part-time basis to all college students. Students requiring special services due to temporary or permanent physical handicaps may apply to the Health Service for elevator keys and special parking permits. Ramps are situated at the entrance of all buildings to accommodate students confined to wheelchairs.

Students living in the college residence halls must enroll in the student medical insurance administered by the college health service. Questions on this or other problems can be answered by calling the Health Service at (201) 527-2047.

Financial Aid

Information on grants, loans and part-time employment is available in the Financial Aid Office, Administration Building, 2nd floor, tel. (201) 527-2050.

Special Education Instructional Materials Center

S.E.I.M.C. is a resource center for special educators. As a part of the National Network of Special Education Instructional Material Centers-Regional Media Centers for the Deaf, the purpose of S.E.I.M.C. is to provide special educators and related personnel with ready access to valid instructional materials and information related to the education of exceptional children.

Materials circulate to teachers, parents and students in New Jersey. Materials may be borrowed for a two week period. Material demonstrations and workshops are available upon request. S.E.I.M.C. is located in the Nancy Thompson Library, tel. (201) 527-2225.

The Institute of Child Study

The Institute of Child Study has been designated as a University Affiliated Facility by the U.S. Department of Health, Education and Welfare.

The institute is a clinical complex in association with various academic programs. It provides evaluation and training services generally to children with learning problems caused by intellectual, physical and emotional disabilities.

The men and women who study at the College in the advanced areas of special education, personnel services and school psychology have, therefore, excellent opportunities for direct experience and observation in the clinics of the Institute.

Special Programs



INTERNATIONAL STUDY TOURS

Each of the following tours is a unique combination of international travel and study for which academic credit is granted. Please check all listings for dates and special information. Final costs may vary slightly due to changes in air fare.

Application Deadline: May 1.

For further information and application:

Edwin J. Williams, Coordinator, International Studies

Kean College of New Jersey

Union, New Jersey 07083

Tel. (201) 527-2059

Workshop in Open Education in England (6) June 29-July 28

The workshop in Open Education in England is designed to help administrators, supervisors, and teachers meet the challenge of individualizing instruction. It provides an unusual opportunity to explore practices in informal English primary schools while working with English staff and school children.

The workshop includes a two-week internship in either an English infant or middle school, one week of workshops at the John Taylor Teacher Performance Center at Leeds, one week in London and weekend visits to York, Bronte Country and the Lake District, with an optional visit to Edinburgh.

The student registers for two of the following 3 credit courses:

GRADUATE LEVEL *for graduate degree credit at Kean, prior approval of graduate program advisor is required.*

sec. no. 3001/E.C. 5200 Innovative Programs in Early Childhood Education

sec. no. 3002/E.C. 5280 The English "Open Classroom"

sec. no. 3003/E.C. 5581 Independent Study in Early Childhood

sec. no. 3004/E.P.S. 5015 Comparative Educational Systems

SENIOR UNDERGRADUATE LEVEL

sec. no. 3005/E.C. 4510 Independent Study in Early Childhood

sec. no. 3006/E.P.S. 4040 Comparative Education

Approximate Cost: \$1400 includes tuition. Slightly higher tuition for out-of-state students.

Workshop in Special Education in Scandinavia (6) June 29-July 18

The workshop will provide administrators, supervisors and teachers with an educational experience designed to enrich their knowledge of Scandinavian education and culture. Through lectures, seminars, discussions, visits and interviews in Sweden, Denmark, and Norway, students will become familiar with the organization of education and social services in these countries. Emphasis will be on the educational programs, social services and provisions, vocational training, and legislation pertaining to the handicapped.

The workshop will include the opportunity to live with a Danish family for two weeks in Copenhagen and a one week field trip to Oslo, Stockholm, and Uppsala.

The student registers for two of the following 3 credit courses. For graduate degree credit at Kean, prior approval of graduate program advisor is required.

sec. no. 3012/Sp. Ed. 5030 Community Services for the Handicapped

sec. no. 3013/Sp. Ed. 5130 The Education of Trainable Retarded Children

sec. no. 3014/Sp. Ed. 5140 Vocational Guidance of the Mentally Retarded

sec. no. 3015/Sp. Ed. 5145 Administration and Supervision of Programs for the Mentally Retarded

sec. no. 3016/Sp. Ed. 5015 Comparative Educational Systems

Approximate cost: \$1599 includes tuition and open-ended ticket for unlimited travel in Europe. Slightly higher tuition for out-of-state students.





Credits earned in the following workshops may be applied to graduate programs at Kean College provided that prior approval is obtained from the program advisor.

Please check all listings for dates, times, fees and special registration information.

What's Happening in Elementary Teaching A Summer Teach-in July 7, 8, 9, 10, 14, 15

Six days, six hands-on workshops. Each workshop deals with the application to the classroom of the most recent materials and developments and is taught by an expert in the field.

Students enroll for all or part of the six workshops. Each workshop runs from 8:30 a.m. to 4:30 p.m. daily.

I.D. 5600 Workshop in Children's Thinking and Values

Strategies and techniques for helping students develop thinking skills and for helping them examine and clarify their values. Participants will take part in a variety of group activities, learn about techniques that are workable in the classroom and learn about available materials.

sec. no. 1260/Amick/Mon., July 7

I.D. 5600 Workshop in Social Studies

Workshop in the social studies to include strategies and materials for implementation in the elementary classroom. Emphasis will be on creating and using multi-media resources and their application in teaching the social studies.

sec. no. 1261/Banich/Tues., July 8

I.D. 5600 Workshop in Mathematics

Activity approach to creative classroom instruction in mathematics; its contribution to pupils' learning of basic theory, facts, algorithms and problem solving.

sec. no. 1262/Kavett/Wed., July 9

I.D. 5600 Workshop in Science

Introduction to and study of newer elementary science curricula including COPES (Conceptually Oriented Program in Elementary Science), ESS (Elementary Science Study), SAPA (Science-A Process Approach), and SCIS (Science Curriculum Improvement Study). Participants will learn about and examine materials, participate in activities and procedures used in the programs.

sec. no. 1263/Arnold/Thurs., July 10

I.D. 5600 Workshop in English Arts

New ways to put together an integrated elementary English program to include all of the language arts — reading, listening, oral expression, nonverbal expression, writing and thinking. Ideas for designing learning stations in an integrated language approach.

sec. no. 1264/Hennings/Mon., July 14

I.D. 5600 Workshop in Group Processes in the Classroom

Diagnosing classroom climates, using group processes to develop classroom cohesiveness, employing group problem solving techniques, changing group norms are among the topics to be considered in this workshop. Participants will learn about, employ and take part in a variety of group procedures, techniques and activities.

sec. no. 1265/Nichols/Tues., July 15

Enrollment: Limited to 30 per workshop. Preference given to students who elect all six workshops.

Graduate Credit: If taken for credit, one semester hour is awarded for every two workshops completed; three credits for all six. Required written work must be submitted within the two weeks following completion of the last workshop.

Tuition: Includes \$10 deposit. Charged per semester hour: minimum \$35 for one or two workshops, \$70 for three or four workshops, \$105 for five or six workshops.

For information, application and registration contact:

Dr. Richard J. Nichols

Department of Educational Arts and Systems

(201) 527-2175 or, after 5:00 p.m., (201) 233-8607

Workshop in Bicentennial History June 23-July 31

The workshop participants will be steeped in the history and culture of the Revolutionary Era through the combined experience of study and travel geared to teachers, town officials and all others who have particular interest in the Bicentennial. The classes will meet Monday through Thursday mornings at the Union Campus for the first four weeks of summer session. In the fifth week, the bus tour will take the entire group to historic sites in Philadelphia, Washington and Williamsburg with side trips to Yorktown and Jamestown. The course concludes with a final week of classes.

Students register for:

sec. no. 1109/Hist. 5360 Workshop in Bicentennial History: Perspectives on the Revolutionary Era (6)

Examination of the origins of colonial ideals and culture; new interpretations of the nature of the revolution in light of the traditional, military and diplomatic aspects of war; simultaneous social, political, economical and cultural changes; the course of events culminating in the making of the Constitution.

Prerequisite: Bachelor's degree in history or permission of instructor.

Costs: \$414 includes \$235 (tuition) and \$179 (tour, July 21-25, four nights in motels with double occupancy, breakfasts, dinners, admissions and gratuities)

Enrollment: 90

Application deadline: May 15

For application and further information contact:

Dr. Irving Luscombe

Department of History

(201) 527-2168

Segundo instituto de educación bilingüe Entrenamiento intensivo para maestros bilingües

Este instituto ha sido organizado especialmente para todo profesional extranjero. El programa tiene como objeto ayudar en la preparación de tales maestros para que puedan enseñar sus especialidades en las clases bilingües.

Pueden inscribirse en estos cursos, todos aquellos estudiantes que tengan interés de investigar en el campo de la educación bilingüe. Las solicitudes de inscripción deben ser recibidas antes del día 24 de mayo. A fin de obtener más información escriba a la siguiente dirección:

Gladys Braga
Coordinadora del centro de educación bilingüe
Whiteman Hall 118
Teléfono: (201) 527-2175 o 2405

SESIÓN DE VERANO (junio 23 a julio 31)

sec. no. 1412/EAS 3150 Introducción a la educación bilingüe
sec. no. 1414/EAS 3151 Técnicas de enseñanza, en español, en escuelas biculturales
sec. no. 1026/EAS 5620 Organización y administración de una escuela bilingüe

2nd Bilingual Institute/Undergraduate and Graduate Intensive Training for Bilingual Teachers

This institute has been arranged for those foreign teachers who hold a professional degree from other countries. The program will aid such teachers in preparing themselves to teach their specialty in bilingual classrooms.

The Bilingual Institute is also open to undergraduate students who wish to accelerate their training in bilingual education.

Applications must be received prior to May 24. For applications write:

Gladys Braga, Coordinator
Center for Bilingual Education
Whiteman Hall 118
Telephone: (201) 527-2175 or 2405

SUMMER SESSION (June 23-July 31)

See both undergraduate and graduate sections.

sec. no. 1412/EAS 3150 Introduction to Bilingual Education
sec. no. 1414/EAS 3151 Teaching Techniques in Spanish in Bicultural Schools
sec. no. 1026/EAS 5620 Organization and Administration of a Bilingual School

Non-Traditional Undergraduate Courses

These courses enable students to study independently and offer various forms of communication between students and members of the college faculty. Each course meets once at the regularly scheduled class period during the first week of classes which begins June 23. Additional seminar meetings, on- or off-campus, may also be scheduled.

At the initial class meeting, the instructor explains the method of communication to be used for the balance of the course and arranges for the availability of textbooks, study guides, lecture tapes, and other instructional materials. The primary medium will be written communication; however, audio cassettes and other media may also be used. Students may consult with professors by telephone or in person at the campus.

Full descriptions of the following courses may be found on the appropriate pages of this bulletin:

Eco 1020 Principles of Economics I
Eco 1021 Principles of Economics II
Eng 3500 Contemporary Literature
Mus 3230 Music in the Romantic Era
Phi 1040 Introduction to Philosophy
Rel 2010 Oriental Religions
EdP 3801 Educational Psychology

For additional information:

Non-Traditional Studies Office (201) 527-2406
Whiteman Hall, room 117

College Credit Courses for High School Seniors

Certain courses in English, fine arts, mathematics, music and physical education are open to gifted high school seniors who are interested in earning college credit during the summer session.

Permission is required in writing from the student's high school principal or guidance counselor, and written approval of the respective department chairperson of English, fine arts and music must be obtained prior to registration. Permission statements must be shown at registration. Acceptance will be on space availability. Check registration information for non-matriculated students.

For further information call the Office of Summer Session, (201) 527-2163.



College Courses Without Credit

A multitude of experiences as well as new information can be gained through the regular course offerings of the college. Many day and evening undergraduate courses may be taken without credit. This is an excellent opportunity to rediscover college work, to open a window on the world and to acquire new insights to meet daily needs.

For further information call the Office of Summer Session, (201) 527-2163.

Non-Credit Workshops Continuing Education

CE75301 New Ways to a College Degree This workshop will serve as an orientation to college study and give participants an opportunity to discuss their own educational plans. Topics will include admissions procedures and requirements, study skills, new ways to a bachelor's degree such as CLEP and non-traditional study, and an overview of the programs of study and resources of Kean College of New Jersey. Instructor, Mary Slavitt.

Fee: \$15

Dates: Mondays and Wednesdays, July 21, 23, 28, 30

Time: 7:00-9:00 p.m.

Registration deadline: July 14

Registration information: Call EVE Women's Center, (201) 527-2210

CE75302 Vocational Development Workshop A workshop for women seeking employment, further education, or future career development. Through a variety of methods, participants will explore their needs, interests, and skills. Participants will concentrate on generating career goals based on realistic self-appraisal and on developing steps to achieve them. Discussion will focus on topics such as occupational outlook, confidence building and resume preparation. Vocational interest testing included. Instructor: Mary Ann Bornmann

Fee: \$25

Dates: Tuesdays, June 10, 17, 24, July 1, 8, 15

Time: 9:30-11:30 a.m.

Registration deadline: June 3

Registration information: Call EVE Women's Center, (201) 527-2210

Intersession

GRADUATE COURSES AT UNION
INTERSESSION JUNE 2-JUNE 20

Courses meet every evening, Monday through Friday. Please check the class time in each course listing. The course listing reads as follows:

Course no. Title (sem. hrs.)

Description of course

Prerequisite:

sec. no./instructor/time

Early Childhood Education

E.C. 5245 Creative Activities in Early Childhood Education (3)

Materials and procedures for providing creative experiences consistent with the development and skills of pre-kindergarten through third grade children. Workshop experiences in the use of art media, musical and dramatic activities. Experiences integrated with readings, discussion and examples of classroom practice. Emphasis on understanding the creative method.

sec. no. 9101/Gaines/5:00-7:30 p.m.

Educational Policy Sciences

E.P.S. 5118 Theory and Practice of Curriculum Development in the Public Schools (3)

Approaches and trends. The role and effect of various policy-making, administrative and supervisory personnel on curriculum innovation, change and evaluation.

sec. no. 9104/Polglaze/5:00-7:30 p.m.

Psychology

Psy. 5620 Laboratory Training in Human Relations I (3)

Experience in small groups designed to: contribute to the student's understanding of himself and his impact on others; increase his understanding of the dynamics of interpersonal interaction in small groups; increase his sensitivity to the feelings and behavior of others in groups; increase his understanding of how large organizations prevent, create or resolve human relations problems.

sec. no. 9107/Zito/Mon., Tues., & Wed. 5:00-10:10 p.m.

sec. no. 9108/Stern/Tues., Wed., & Thurs. 5:00-10:10 p.m.

Special Education

Sp. Ed. 5115 Materials, Programs and Methods for Teaching the Mentally Retarded (3)

The nature and needs of the mentally retarded and the goals of the curriculum for such children applied to classroom procedures and practices. Classroom management, record keeping and the role of academics in such a program. Development and utilization of suitable curriculum materials. Students required to observe and participate in programs for the education of the mentally retarded.

sec. no. 9111/Frankel/5:00-7:30 p.m.

Student Personnel Services

S.P.S. 5910 Introduction to Student Personnel Services (3)

History and development of student personnel services with emphasis on guidance, counseling and school social work. The philosophy of guidance and social work, the methods used. The relationships of the workers with students, parents, other school personnel and the community as they work together toward the goals of education.

sec. no. 9114/Bachkai/5:00-7:30 p.m.

UNDERGRADUATE COURSES AT UNION
INTERSESSION JUNE 2—JUNE 20

Courses meet every evening, Monday through Friday. Please check the class time in each course listing. The course listing reads as follows:

Course no. Title (sem. hrs.)

Description of course

Prerequisite:

sec. no./instructor/time

Communication Sciences

C.S. 3400 The Teaching of Reading in the Elementary School (3)

A detailed study of a productive reading program from its beginning through the eighth grade. Emphasis is on materials, methods, research results and modern trends.

sec. no. 9150/7:40-10:10 p.m.

C.S. 4400 Advanced Reading Techniques (3)

Designed to study in depth current methods and materials for the teaching of reading. Background of knowledge about the total field of reading is broadened. Learning to read, assessment of reading progress and reading in the content areas are studied. Emphasis is placed on corrective techniques in practical classroom application.

Prerequisite: C.S. 3400.

sec. no. 9151/7:40-10:10 p.m.

Early Childhood Education

E.C. 4100 Creative Techniques for Language Development in Early Childhood (3)

Understanding and practice in the use of creative techniques focused on oral language development. Includes story-telling, role-playing as a problem-solving technique, movement as a means to learning, choral reading and improvisation based upon children's feelings and experiences. Open only to Early Childhood seniors, or permission of instructor.

sec. no. 9154/5:00-7:30 p.m.

E.C. 4210 Guiding Early Childhood Teachers to Work with Children from Minority Cultures (3)

Designed to help qualify teachers for day-care centers, pre-kindergartens or pre-school programs and primary grades. Emphasis on: the special kind of experiences needed by culturally disadvantaged children from urban core, poverty rural or migrant backgrounds; activities that promote creativity, enrichment and motivation for later academic success; problems of personal identification or self-worth and social adaptability; relationships between parents, school specialists and community workers.

sec. no. 9155/5:00-7:30 p.m.

Earth and Planetary Environments

E.S. 1100 Introduction to Astronomy (4)

A study of heavenly bodies, solar systems and the sidereal universe, with emphasis on the nature of astronomical investigation.

sec. no. 9156/Krall/5:45-9:25 p.m.

E.S. 1200 Introduction to Geology (4)

A study of the processes at work upon and within the earth in terms of their impact upon the preservation of the record of the history of the earth. Credit for graduation will not be granted for both Geog. 2010 and E.S. 1200.

sec. no. 9157/Rockman/5:45-9:25 p.m.

Economics

Econ. 1020 Principles of Economics I (3)

The American economy; aggregate economics with emphasis on the relationships of income, consumption, savings and investment; money and banking, economic growth and the role of government.

sec. no. 9158/Lago-Touron/5:00-7:30 p.m.

sec. no. 9159/Schumacher/7:40-10:10 p.m.

Econ. 3300 Money and Banking (3)

The nature and function of money, operations of banks, the Federal Reserve System and the Treasury. Income and monetary theory and its applications to achieve stability, employment and growth.

Prerequisites: Econ. 1020-1021, or consent of instructor.

sec. no. 9160/Finch/5:00-7:30 p.m.

E.A.S. 3100 Elementary Curriculum and Methodology (3)

Elementary school objectives, practices, curriculum patterns and planning techniques. Kean College elementary education majors should see E.A.S. department advisor before registration.

sec. no. 9163/Amick/5:00-7:30 p.m.

E.A.S. 3110 English in the Elementary School (3)

Study of the teaching of literature, linguistics, written expression, cursive and manuscript writing, listening and speaking.

Kean College elementary education majors should see E.A.S. department advisor before registration.

sec. no. 9164/Lemke/7:40-10:10 p.m.

E.A.S. 3120 Mathematics in the Elementary School (3)

Inquiry into the nature of mathematics and its implications for teaching, the use of visual materials in teaching, learning theories as they pertain to mathematics education and current elementary school mathematics programs.

sec. no. 9165/Ajose/7:40-10:10 p.m.

E.A.S. 3130 Science in the Elementary School (3)

A study of science content and teaching methodology including student planning, development and presentation of instructional methods and media. Kean College elementary education majors should see E.A.S. department advisor before registration.

sec. no. 9166/5:00-7:30 p.m.

E.A.S. 3711 Children's Literature in Education (3)

A critical study of children's books and their use in elementary and secondary school classrooms.

Prerequisite: E.A.S. 3110.

sec. no. 9167/Ramos/7:40-10:10 p.m.

E.A.S. 4140 Social Studies in the Elementary School (3)

Study of the objectives of elementary school social science, planning techniques, teaching materials, innovative programs and evaluation, emphasizing the interdisciplinary approach.

sec. no. 9168/Esposito/7:40-10:10 p.m.

E.P.S. 4020 Philosophy and Education (3)

Analysis of current views on aims and processes of education. Students encouraged to formulate their own rational view of these aims and the educational practices consistent with them. Attention given to earlier insights most related to the present and possible future situation of education. Essence of course is dialogue.

sec. no. 9171/5:00-7:30 p.m.

E.P.S. 4050 Urban Education (3)

For students interested in teaching in an urban school system, especially inner-city: short orientation to the history and sociology of the contemporary urban scene; survey of the newer methods and helpful techniques; visits to selected urban classrooms; speakers representing important community offices.

sec. no. 9172/7:40-10:10 p.m.

Ed. Psy. 3801 Educational Psychology (3)

An analysis of learning theory and its application. Considers cognition, motivation, tests and measurements.

Corequisites: E.A.S. 3100, 3110, 3130, 3900, C.S. 3400 and Ed. Psy. 3801 must be taken concurrently by day college elementary education majors.

sec. no. 9175/Gaza/5:00-7:30 p.m.

Ed. Psy. 4801 Group Dynamics—Principles and Applications (3)

Principles of group function (types of groups, group structure, communication, leadership, membership roles, etc.), means of observing and recording group information, and techniques of working with groups. Designed for students interested in group processes and group work in education, recreation and allied fields.

sec. no. 9176/Fanelli/7:40-10:10 p.m.

Eng. 1010 is prerequisite to all English courses beyond the 1000 level except in cases of exemption or permission of the instructor.

Eng. 1900 Speech (3)

Various aspects of speaking and listening; the development of effective voice and speech habits, with practice in public speaking, parliamentary procedure and oral reading.

sec. no. 9179/5:00-7:30 p.m.

sec. no. 9180/7:40-10:10 p.m.

Eng. 1920 Introduction to the Theatre (3)

A basic survey of the art and craft of the theatre.

sec. no. 9181/Fry/5:00-7:30 p.m.

Eng. 3350 Contemporary Literature (3)

American, English and European literature of the twentieth century.

sec. no. 9182/Thomason/5:00-7:30 p.m.

Eng. 3507 Contemporary British and American Poetry: 1950 to Present (3)

An exploration of the most significant developments in British and American poetry since 1950.

sec. no. 9183/De Fanti/7:40-10:10 p.m.

Eng. 4940 History of the Theatre (3)

Theatrical production from early primitive rituals down the centuries to today's theatre. Emphasis placed on directors, actors and theorists.

sec. no. 9184/7:40-10:10 p.m.

F.A. 1000 Introduction to Art (3)

Appreciation, analysis and creation in the visual arts. Exploration of materials, tools and processes. Not for fine arts majors.

sec. no. 9187/Topper/7:40-10:10 p.m.

F.A. 3910 Art in Education (3)

Understanding the child's natural modes of expression, selection of media to develop this expression, and finding ways of teaching in the elementary school which will increase esthetic awareness, develop skills, enrich experience, and invite expression. Not intended for Fine Arts majors.

sec. no. 9188/Lipscomb/5:00-7:30 p.m.

sec. no. 9189/J. Metzger/7:40-10:10 p.m.

sec. no. 9190/St. John/7:40-10:10 p.m.

Health Education

H. Ed. 1400 Human Sexuality (2)

An overview of sex and sexuality in today's society, with implications for evolving male-female relationship, dating patterns, marriage and responsible parenthood.

sec. no. 9195/Krueger/7:40-9:20 p.m.

H. Ed. 2231 First Aid and Accident Prevention (2)

An investigation of accident prevention plus the theory and practice of First Aid as recommended by the American Red Cross. At the successful completion of this course, the student receives an advanced Red Cross first aid certificate.

sec. no. 9196/Saks/7:40-9:20 p.m.

H. Ed. 3237 The School and Community Health Program (2)

The school and community health program, the teacher's role in school and community health services, healthful school environment, and health instruction in the elementary school.

sec. no. 9197/Raksanyi/5:50-7:30 p.m.

H. Ed. 4234 Sex Education (3)

An overview of sex and sexuality in today's society, with implications for evolving male-female relationships, dating patterns, marriage and responsible parenthood. Special attention and emphasis given to the role and responsibility of the schools in educating for sexuality.

sec. no. 9198/Levitan/7:40-10:10 p.m.

H. Ed. 4333 Alcohol and Narcotics Education (3)

A comprehensive course dealing with alcoholic beverages, narcotics, and other addicting and habit-forming drugs, and the effect of their usage upon the individual and society.

sec. no. 9199/Ramoth/5:00-7:30 p.m.

History

Hist. 1040 History of Western Civilization II (3)

A survey of the historical development of modern civilization from the mid-17th century to the present. Special attention given to cultural diffusion and integration, to institutions and ideas.

sec. no. 9203/Higgins/7:40-10:10 p.m.

Hist. 2471 History of Far Eastern Civilization I: From Early Times to the 19th Century (3)

Designed to give the student an intelligent understanding and appreciation of the great cultural traditions of the Far Eastern World. Surveys the culture and civilizations of China, Japan, and Korea from early times to the 19th century, with significant source materials in suitable English translations.

sec. no. 9204/Didsbury/5:00-7:30 p.m.

Hist. 4238 History of Germany, 1805 to Present (3)

The emergence of modern Germany with emphasis on political unification, economic growth, militarism, nationalism, the World Wars and their aftermath.

Prerequisite: Six hours of history.

sec. no. 9205/Goldberg/7:40-10:10 p.m.

Industrial Studies

I.S. 2401 Welding Technology (3)

Development of basic welding skills and safe and intelligent operation of welding equipment. Successful completion provides opportunity for teacher certificate in areas of oxy-acetylene and electric arc welding. On campus and at Union County Technical Institute.

sec. no. 9208/Endres/5:00-10:00 p.m.

I.S. 3303 Carpentry and Building Construction (3)

Tools, materials and methods used in the construction of wood frame buildings to include framing, estimating and techniques employed in construction.

sec. no. 9209/Van Nest/5:00-8:40 p.m.

I.S. 4104 Principles and Techniques of Education (3)

This course introduces the student to curriculum patterns, planning techniques, methods of discussion, and to general principles of instruction required for teaching in either elementary or secondary schools.

sec. no. 9210/Christoffel/5:00-7:30 p.m.

Mgt. Sci. 1030 Fundamentals of Business Analysis (3)

Fundamental economic and business analysis of the domestic market; role of monetary policy; examination of marketing and financial functions and institutions; opportunities in international business.

sec. no. 9213/7:40-10:10 p.m.

Mgt. Sci. 3130 Forecasting Techniques in Business and Economics (3)

Methods of identifying, determining and analyzing economic and business trends in order to forecast future behaviors. Topics include time-series analysis, cross-sectional analysis and applications of regression methods.

Prerequisite: Mgt. Sci. 2120 or permission of instructor.

sec. no. 9214/5:00-7:30 p.m.

Math. 1011 Number Theory in Elementary Mathematics (3)

Properties of prime numbers. Development of creativity in elementary school mathematics. Figurate numbers, composite numbers, factorization methods, modular arithmetic, Euler's function. For non-mathematics majors.

sec. no. 9217/7:40-10:10 p.m.

Math. 1016 Statistics (3)

Measures of central tendency and variability, correlation, regression, use of the normal distribution and simple sampling, estimation and hypothesis testing procedures.

sec. no. 9218/5:00-7:30 p.m.

Mus. 1050 Music Fundamentals (3)

Introduction to rudiments of music and notation. Developing understanding of the music language and facility in music reading and aural perception, through class and individual vocal and instrumental practice and written work. This course is designed as preparation for Mus. 2305, 2310, music education courses required of early childhood and elementary education majors.

sec. no. 9222/Montgomery/7:40-10:10 p.m.

Mus. 2305 Early Childhood Music Education (2)

Music activities and materials for nursery school, kindergarten, and primary grades. Direct participation in singing and rhythmic activities, playing and reading music with simple melody instruments, use of the autoharp, rhythm instruments and recordings.

Prerequisite: Mus. 1050 or permission of the instructor.

sec. no. 9223/Engelhard/7:40-9:20 p.m.

Mus. 2310 Elementary School Music Education (2)

Music activities and materials for children in the elementary grades. Direct participation in singing and rhythmic activities, playing and reading music with simple melody instruments, use of the autoharp, rhythm instruments and recordings, use and evaluation of books and materials for music education on the elementary and grade school level.

Prerequisite: Mus. 1050 or permission of the instructor.

sec. no. 9224/Engelhard/5:50-7:30 p.m.

Management Science

Mathematics

Music

Philosophy	<p>Phil. 1040 Philosophy (3) A general introduction to the ideas of great philosophers, major schools of thought, and basic issues. Among the topics considered are the meaning of philosophy, reality, knowledge, values and social philosophy. sec. no. 9227/Pezzolo/7:40-10:10 p.m.</p>
Physical Education	<p>P. Ed. 1080 Swim I (Beginning Swimming) (1) Open only to those who cannot swim two pool lengths (50 yards). Designed to provide a feeling of safety in deep water and ability to do a 1-minute support and to swim a minimum of two pool lengths using two different strokes in two different positions. sec. no. 9230/Errington/5:50-7:30 p.m.</p> <p>P. Ed. 1081 Swim II (Intermediate Swimming) (1) Seven basic swimming strokes, beginner's diving, water games, stunts and basic safety skills. Prerequisite: Ability to swim in deep water. sec. no. 9231/Errington/5:50-7:30 p.m.</p> <p>P. Ed. 3500 Care and Prevention of Athletic Injuries (2) The most recent information on the prevention and treatment of athletic injuries. Orientation to equipment, procedures and care and management of a training room. Prerequisite: Bio. 2402 or permission of curriculum chairperson. sec. no. 9232/Andzel/7:40-9:20 p.m.</p> <p>P. Ed. 3605 Health and Physical Education in the Elementary School (3) The principles, philosophy, objectives and specifics of practice in health and physical education for effective work with school children. Units of work on the various levels planned, yearly programs developed and activities applicable to all levels taught and analyzed. sec. no. 9233/Holden, Cunningham/5:00-7:30 p.m.</p> <p>P. Ed. 4600 Adaptive Physical Education (2) Introduction to the nature of the most common handicapping conditions most likely to occur in the school system. Organization, administration and teaching of adaptive programs. sec. no. 9234/Resnick/5:50-7:30 p.m.</p>
Political Science	<p>Pol. Sci. 1010 Introduction to Political Science I: Elements of Politics (3) The concepts, terminology, problems and analytical approaches of the field of political science. sec. no. 9237/Israel/5:00-7:30 p.m.</p>
Psychology	<p>Psy. 2100 Child Psychology (3) The physical, intellectual, emotional, and social aspects of childhood, including individual differences, the behavior characteristics of various age levels, and the types and methods of adjustment. Prerequisite: Psy. 1000. sec. no. 9240/5:00-7:30 p.m. sec. no. 9241/7:40-10:10 p.m.</p> <p>Psy. 2110 Psychology of Adolescence (3) An examination of the nature of adolescence, as characterized by the group of developmental problems (biological, psychological, and social in origin), typically occurring during the second decade of life. Prerequisite: Psy. 1000. sec. no. 9242/7:40-10:10 p.m.</p>

Psy. 3540 Abnormal Psychology (3)

Deviant and disordered behavior and experience, its overt manifestations and its underlying psychological, biological, and social meaning.
Prerequisite: Psy. 1000.
sec. no. 9243/5:00-7:30 p.m.

Sp. 4315 Twentieth Century Literature in Spain (3)

Reading, interpretation and analysis of selected authors and texts in twentieth century literature in Spain. Course conducted in Spanish.
Prerequisite: Sp. 2102 or permission of the instructor.
sec. no. 9193/Portuondo/5:00-7:30 p.m.

Sp. Ed. 2051 Introduction to Education of the Handicapped (3)

Early detection and proper care of all disabilities are considered in this course. Etiology, diagnosis and prognosis, different treatments and remedial procedures and their educational implications; basic educational procedures for the various disabilities. Visitations are made to observe programs for the mentally and physically handicapped.
sec. no. 9247/Bilowit/5:00-7:30 p.m.

Sp. Ed. 2052 Introduction to Psychology of the Handicapped (3)

The psychology of all types of disabilities, mental and physical. The degrees of retardation, their causes and the concomitant disorders of behavior. The emotional and social adjustment of the physically handicapped. The psychological basis for appropriate education and care of all types of handicaps.
sec. no. 9248/Libster/7:40-10:10 p.m.

Sp. Ed. 2154 Introduction to Mental Retardation (3)

The biological and the psychological aspects of mental sub-normality. A multidisciplinary approach employed to familiarize the student with the characteristics of the major clinical syndromes in mental retardation.
sec. no. 9249/Barnhart/5:00-7:30 p.m.

Sp. Ed. 3252 Teaching Language to the Deaf and Hard of Hearing (3)

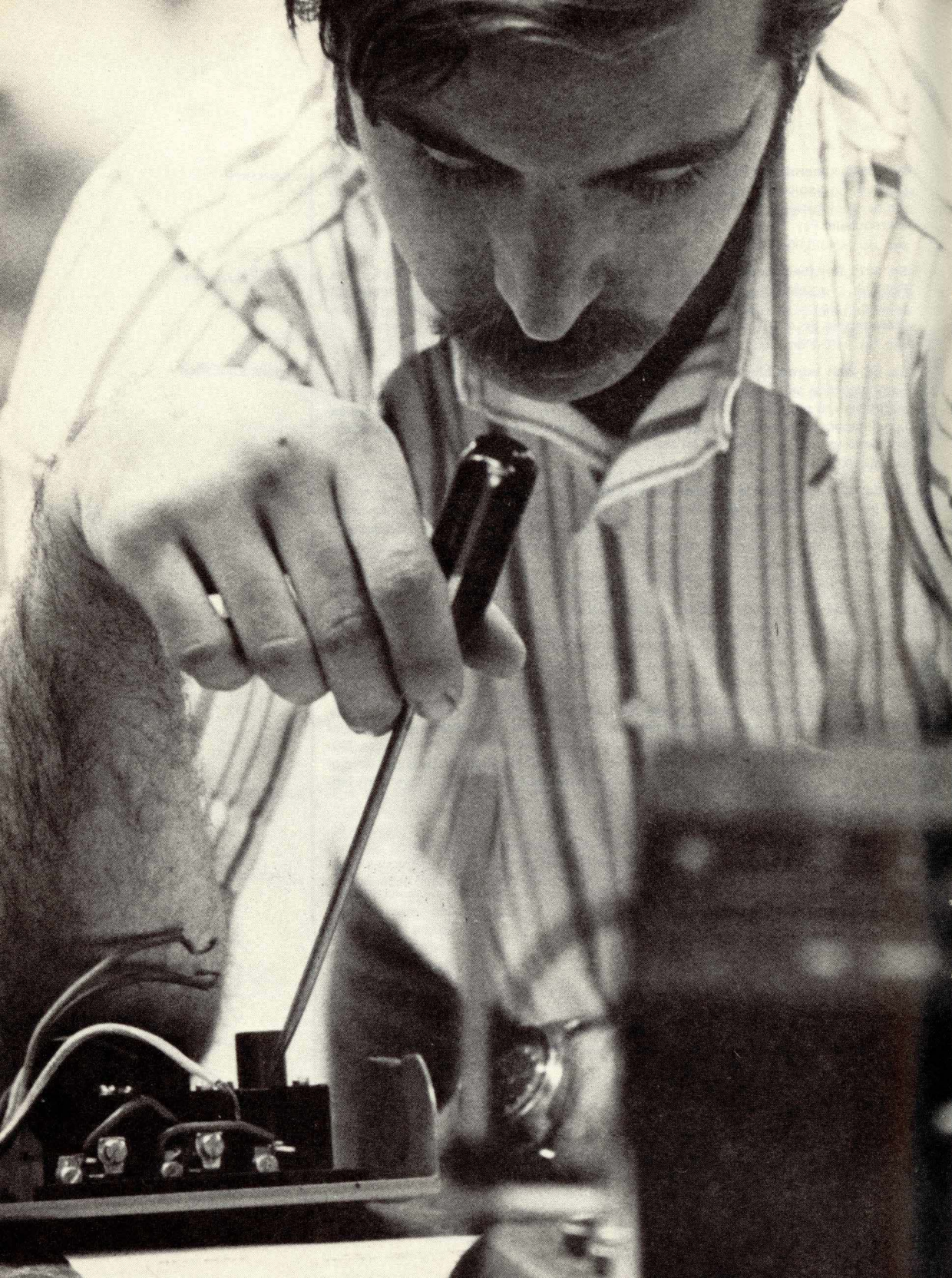
A review of auditory cognition and language development. Principles and methods of teaching language to persons having communication disorders and auditory deficits. This course meets requirements for certification in the area of teaching the deaf and hard of hearing, and is of particular value to teachers of the mentally retarded who have faulty language development.
sec. no. 9250/Van Atta/5:00-7:30 p.m.

Sp. Ed. 3256 Speech Pathology I (Disorders of Articulation and Voice) (3)

A study of the nature, etiologies, examination, diagnoses, and remedial techniques associated with disorders of articulations and voice. Case discussions and clinic observation.
Prerequisites: Sp. Ed. 2251, 2254 and 2260.
sec. no. 9251/Schulman/5:00-7:30 p.m.

Spanish

Special Education



Summer Session

Unless otherwise noted, daytime courses meet each day, Monday through Thursday.

† Indicates courses which run for the first three weeks of summer session, June 23-July 10.

‡ Indicates courses which run the second three weeks of summer session, July 14-July 31.

* Indicates evening courses which meet Monday, Tuesday and Thursday.

Please check all course listings for class time and for special information. The course listing reads as follows:

Course no. Title (sem. hrs.)

Description of course

Prerequisite:

sec. no./instructor/time

Communication Sciences

C.S. 5410 Developmental Techniques in the Teaching of Reading (3)

A study of the nature of reading and of new and promising methods and materials of instruction. Emphasis on enlarging background experiences and vocabulary knowledge; building word analysis and perceptual techniques; meeting individual reading needs; studying reading difficulty, its prevention and remediation within the elementary classroom.

sec. no. 1001/Mazurkiewicz/8:30-10:05 a.m.

C.S. 5412 Reading Disabilities (3)

A consideration of the neurological, physical, mental and emotional aspects of the child which may impede learning. Attention is focused on understanding and interpreting standardized tests and testing instruments, their validity and reliability, and on classroom diagnosis and remediation of specific reading disabilities.

sec. no. 1003/Walter/8:30-10:05 a.m.

C.S. 5460 Administration and Supervision of Reading Programs (3)

The role of the administrator and reading specialist in reading programs. Programs designed to achieve different purposes: supervision of classroom teaching; creation of new developmental programs; parental and public relations. Reorganization of current programs. Survey of needs for program planning.

sec. no. 1005/Mazurkiewicz/10:15-11:50 a.m.

C.S. 5600 Remediation in Basic Skills (3)

Designed to increase the effectiveness in the teaching of basic skills to children requiring remedial assistance. Emphasis on informal diagnosis, followed by remediation of the various skills.

sec. no. 1009/Walter/10:15-11:50 a.m.

Early Childhood Education

E.C. 5270 Guiding Teachers to Work in Pre-Kindergarten through Grade 3 with Culturally Disadvantaged Children (3)

Purpose is to recognize problems and concerns of teachers in pre-primary and primary grades in urban settings and to find innovative successful techniques and materials for dealing with them.

sec. no. 1015/10:15-11:50 a.m.

Educational Arts and Systems

E.A.S. 5100 Advanced Elementary School Curriculum (3)

A brief history of the evolution of curriculum in the elementary school as background for the study of current factors which influence curriculum development. Educational theory, knowledge of child development and social and economic factors related to present curriculum practices. Influence of materials of instruction, community forces and group pressures. Principles and methods of planning educational programs developed. Methods of developing criteria explored.

sec. no. 1020/Preil/8:30-10:05 a.m.

E.A.S. 5131 Workshop in Elementary Science (3)

Inquiry-type, process-centered science programs for K-8. Sample lessons will be presented, taped and reviewed in terms of objectives, interaction analysis and appropriateness to cognitive development.

sec. no. 1022/Beam/10:15-11:50 a.m.

E.A.S. 5140 Children's Literature (3)

A survey of traditional and modern stories, poems, plays and informational materials for children. Methods of helping children to use and enjoy literature.

sec. no. 1024/Strickland/12:00-1:35 p.m.

E.A.S. 5620 Organization and Administration of a Bilingual School (3)

Exploration and evaluation of practices in organization and administration of a bilingual school: equipping, staffing, financing, programming, supervising, researching. Modern leadership techniques applied to the administration of a bilingual school at all levels in all socio-economic environments.

Prerequisite or corequisite: A course in Teaching English as a Second Language.

*sec. no. 1026/5:45-7:50 p.m.

E.A.S. 5830 Instructional Theory and Application (3)

Critical examination of theories of instruction, models and conceptual structures underlying present day practices in teaching in schools and other institutions in our society. Emphasis on keeping current practices congruent with current research and knowledge about teaching — learning relationships that help individuals realize their full human potential, physiologically, emotionally, intellectually and creatively. Meets requirements for secondary certification and Administration and Supervision. For administration and supervision majors.

sec. no. 1028/Lorusso/10:15-11:50 a.m.

What's Happening in Elementary Teaching

A Summer Teach-in

(see Graduate Workshops, page 22.)

E.P.S. 5000 Foundations of Graduate Study in Education (3)

An interdisciplinary approach to the study of education in contemporary society. Basic readings selected from the various disciplines used to gain insight into selected problems involving relationships of the human being with educational institutions and contemporary society.

sec. no. 1035/Lorusso/8:30-10:05 a.m.

sec. no. 1036/Tehie/10:15-11:50 a.m.

sec. no. 1037/12:00-1:35 p.m.

*sec. no. 1038/Preil/5:45-7:50 p.m.

E.P.S. 5105 Introduction to Organizational Theory (3)

History, development and significance of organizational theory. Study of major theories of bureaucracy, leadership, decision-making, group dynamics, compliance, authority, power, conflict and social systems theory. Analysis of scientific-management, interpersonal relations, transactional models and their relationship to organization of educational agencies.

sec. no. 1040/Granger/10:15-11:50 a.m.

E.P.S. 5117 Supervision of Instruction: Theory and Practice (3)

Overview of the development, purpose and organization of supervisory programs. Special emphasis on theory and practice of educational leadership as it applies to current-in-service educational problems.

sec. no. 1042/Hancock/8:30-10:05 a.m.

sec. no. 1043/Hancock/12:00-1:35 p.m.

*sec. no. 1044/McCarthy/5:45-7:50 p.m.

Interdisciplinary

Educational Policy Sciences

E.P.S. 5118 Theory and Practice of Curriculum Development in the Public Schools (3)
Approaches and trends. The role and effect of various policy-making, administrative and supervisory personnel on curriculum innovation, change and evaluation.

sec. no. 1047/McAfee/10:15-11:50 a.m.

sec. no. 1048/McAfee/12:00-1:35 p.m.

E.P.S. 5130 New Jersey School Law (3)

Familiarity with and appreciation of significance of organization, content and use of New Jersey Statutes Annotated: Title 18 — Education regarding the rules of the New Jersey Board of Education and the statutes of miscellaneous title related to education. Decisions interpreting the above. Knowledge and basic understanding of the relation of the statutes and rules to the practical operation of New Jersey schools and of those areas of law imperative to the intelligent discharge of daily duties of teaching and administration.

sec. no. 1051/Muniz/12:00-1:35 p.m.

sec. no. 1052/Muniz/10:15-11:50 a.m.

E.P.S. 5135 Public School Finance (3)

Challenge to the school administrator to achieve satisfactory educational goals without overstraining the economic resources of the community. Designed to provide both theory and practical experience in the fiscal management of public schools with particular emphasis on state and federal aid, budgeting, machine and computer accounting and safeguarding of funds.

sec. no. 1055/Granger/8:30-10:05 a.m.

E.P.S. 5140 Instructional Theory and Application

(see E.A.S. 5830. sec. no. 1028/see page 39.)

English

Eng. 5100 New Perspectives of Language Study (3)

An inductive approach to the study of the English language together with a brief account of the historical antecedents of present day linguistics. Emphasis given to analysis of important grammatical devices based on modern scientific study of language.

sec. no. 1076/Thomason/10:15-11:50 a.m.

Eng. 5500 Aspects of the Novel (3)

A study of the art of the novel, focusing each semester on a different historical and literary period.

*sec. no. 1078/Weinstein/5:45-7:50 p.m.

Eng. 5540 Poetry and the Poetic Experience (3)

The form and content of poetry from many periods and all continents considered both in terms of the creative processes and purposes of the author and in terms of the resultant structured aesthetic experience of his audience.

sec. no. 1080/Thomason/8:30-10:05 a.m.

Eng. 5615 Creative Drama (3)

An exploration into creativity through drama with emphasis on developing sensory awareness, concentration, imagination, characterization and plot. Particular attention will be paid to the values inherent in the process for the high school teacher.

sec. no. 1082/Dunn/12:00-1:35 p.m.

Fine Arts

F.A. 5000 Studies in the Creative Process (3)

Understanding of the creative process through the study of the generative impulse and the resultant performance of the creative personality. Use made of statements of artists. Insights gained from examination of their work. Formal investigative procedures designed to identify and describe creativity studied.

sec. no. 1088/Wilbur/10:15-11:50 a.m.

F.A. 5010 Interrelatedness of the Arts (3)

The similarities and differences existing between art forms, visual and non-visual, separated in epoch and geographical location. Also the relatedness of the many art forms growing out of the diverse stimulations of a single cultural setting.

sec. no. 1090/Howe/12:00-1:35 p.m.

F.A. 5210 Photography (3)

Continuation of beginning experiences in photography — exposure, development, enlarging. Attention to specialized methods in print preparation, extreme close-up, use of aids, etc. Emphasis on the photograph as an art form, aesthetic considerations.

*sec. no. 1092/Mon. & Wed. 6:00-9:30 p.m.

F.A. 5220 Printmaking (3)

Standard methods of printmaking: intaglio, relief, planographic and stencil. Emphasis upon innovation and combination of methods. Aesthetic considerations relating to printmaking as an art form.

*sec. no. 1094/Metzger/Tues. & Thurs. 6:00-9:30 p.m.

F.A. 5400 Ceramics (3)

Hand building and the potter's wheel. Kiln stacking and firing of electric, gas and wood-fired kilns. Compounding glazes and development of glaze experiments. Earthenware and stoneware.

sec. no. 1096/Buncamper/Tues. & Thurs. 8:30 a.m.-12:00 noon

*sec. no. 1097/S. Thomas/Tues. & Thurs. 6:00-9:30 p.m.

F.A. 5420 Textiles (3)

Development of both designing ability in woven, dyed, printed and decorative fabrics and awareness of aesthetic and structural qualities of old and contemporary textiles. Use of two, four and eight-harness looms, investigation and use of natural and commercial dyes, characteristics of natural and synthetic fibers.

sec. no. 1099/Markholm/Mon. & Wed. 8:30 a.m.-12:00 noon

F.A. 5430 Metals (3)

Design and production of forms in metal; raising, fabricating, forging, bending, casting, decorative techniques including enameling, chasing, etching, engraving.

*sec. no. 1101/Goodwin/Tues. & Thurs. 6:00-9:30 p.m.

Hist. 5340 Recent American History (3)

An analysis of the political, diplomatic, economic and cultural course of American history since World War I, with particular attention to the interrelationships of events and ideas.

sec. no. 1107/Mayer/10:15-11:50 a.m.

Hist. 5360 Workshop in Bicentennial History:

Perspectives on the Revolutionary Era (6)

sec. no. 1109/Luscombe/8:30-11:50 a.m./see page 23.

I.D. 5100 Education and Contemporary Civilization (3)

Study of the cultural patterns of the world and their importance to educators. Modern educational practices viewed as part of the fabric of a society, mirroring its concerns and values. Analysis of skills necessary for understanding civilization and practice in developing these skills.

sec. no. 1064/Tehie/8:30-10:05 a.m.

I.D. 5200 Education and the Humanities (3)

An examination of the humanities and their relevance to education and to the conditions of modern man and the modern world. The humanities considered in their historic function as the liberating studies as well as in their importance within the structure of contemporary education.

sec. no. 1066/Currier/12:00-1:35 p.m.

History

Interdisciplinary

I.D. 5288 Seminar in the Humanities I (3)
An interdisciplinary study of the arts in terms of the cultures that produced them and in terms of our own times. The arts interpreted as man's means of defining and communicating his attitudes and values, understandable to all without limitations of time or space.
sec. no. 1068/Wilber/12:00-1:35 p.m.

I.D. 5600 Psycho-Social Aspects of Later Maturity (3)
The object of this course will be to consider the later years of adulthood as a phase in the development of the total personality. Adlerian, Eriksonian and other frames of reference will be reviewed and integrated into a set of conceptualizations. Special emphasis on the social, economic and psychological impact of our fast-changing technological society on the mature individual.
‡ sec. no. 1070/Strauss/12:00-3:20 p.m.

I.D. 5600 Conservation of Natural Resources (3)
A study of relationships among natural resources, technological development, population growth and levels of living as a means of exploring and evaluating the foundations of environmental management and conservation.
sec. no. 1072/Kelland/8:30-10:05 a.m.

Mathematics **Math. 5500 Statistical Methods for Describing and Analyzing Data (3)**
The first of a two-course sequence designed to give graduate students with minimal preparation in mathematics an understanding of those concepts and operations needed for interpreting statistical statements in test manuals, research reports and similar literature; some facility in computing measures of central tendency, variability and correlation; the ability to interpret and use normal curve tables.
sec. no. 1120/Lipson/10:15-11:50 a.m.

Math. 5520 Probability (3)
Foundations in terms of Borel sets and some measure theory. Distributions of random variables. Moment generating functions and characteristic functions. Central limit theorem and law of large numbers.
sec. no. 1122/Lipson/12:00-1:35 p.m.

Management Science **Mgt. Sci. 5210 Management Accounting (3)**
Study of the controllership function at the management level. Using financial and accounting data as tools for decision making, the course emphasizes the relationship of accounting techniques to the overall management and control of the business operations. Methods by which the controller contributes to the determination and attainment of income.
Prerequisite: Mgt. Sci. 3250.
*sec. no. 1115/Held/8:00-10:05 p.m.

Music **Mus. 5122 Advanced Choral Conducting (3)**
A detailed applied study of advanced choral conducting techniques, utilizing varied literature from all periods, for voices alone and with instruments.
Prerequisites: Mus. 3122 or consent of department chairperson.
*sec. no. 1128/Cullen/8:00-10:05 p.m.

Philosophy **Phil. 5010 The History of Social and Political Ideals (3)**
Examination of some of the outstanding conceptions of the "good life" advanced by influential Western philosophers. Social and political ideals of Plato, Aristotle, Dante, Hobbes, Locke, Rousseau, Bentham, Marx, Neitsche and Burnham.
sec. no. 1134/Pezzolo/10:15-11:50 a.m.

Phil. 5020 The Philosophy of Humanism (3)
An investigation of humanism as one of the alternative dedications of Western Civilization beginning with the history of the growth of humanistic and secular concerns and moving into an examination of the philosophic bases of this position.
sec. no. 1135/Fethe/8:30-10:05 a.m.

Phil. 5060 Readings in Existential Philosophy (3)
A study of the existentialists particularly as their philosophies are related to psychology and education. Introductory study of the phenomenological method. Examination of Kierkegaard on subjectivity; Sartre on self-deception; Jaspers on communication; Heidegger on authenticity; Merleau-Ponty on ambiguity.
*sec. no. 1136/Pashman/5:45-8:00 p.m.

Pol. Sci. 5011 Contemporary Political Systems: The Soviet Union (3)
A comparative analysis of the government and policies of the U.S.S.R.
*sec. no. 1142/Shenis/8:00-10:05 p.m.

Psy. 5110 The Developmental Study of Children (3)
Advanced course offering a critical analysis of an investigation into the nature of human development. Designed to develop a mature understanding of how to work effectively with children in contemporary society, including its schools. The importance of the development of empathy and empathic relationships.
sec. no. 1148/Golden/8:30-10:05 a.m.
sec. no. 1149/Golden/10:15-11:50 a.m.
*sec. no. 1150/Braisted/5:45-7:50 p.m.

Psy. 5120 Social Psychology of Adolescence (3)
Current issues and related theory and research in the social psychology of adolescence. Personality and cognitive development, the peer group and parent-youth relationships, socio-political action, the disadvantaged youth, the role of the educational institution in adolescent development.
sec. no. 1154/Harris/8:30-10:05 a.m.

Psy. 5230 Tests and Measurements (3)
The principles of measurement underlying test construction and use. The aims of testing, an understanding of basic statistical procedures, problems of test administration, scoring and interpretation and the importance of test reliability, validity, norms and research. The range of tests currently available and the planning of testing programs.
Prerequisite: Psy. 3200 Psychological Statistics or Math. 5500.
sec. no. 1157/Mercer/10:15-11:50 a.m.

Psy. 5320 Learning Theory and Applications (3)
Major concepts and theories of learning. Interrelation of learning and factors in motivation; underlying learning principles; learning technology and application in educational setting.
Prerequisite: Psy. 5110 or equivalent.
*sec. no. 1161/Youtz/8:00-10:05 p.m.

Psy. 5510 Theories of Personality (3)
Various systematized conceptualizations of personality theories. Psychoanalytic theories of personality, field theory, learning theories, phenomenological and existential theories of personality. Each theoretical orientation applies to personality and behavioral assessment in practical living and professional relationships. Not open to students who have completed a basic course in personality theory.
‡sec. no. 1164/R. Roth/12:00-3:20 p.m.
*sec. no. 1165/Hoffnung/5:45-7:50 p.m.

Psy. 5520 Abnormal Psychology and its Educational Implications (3)
The symptoms, contributing factors, dynamics and treatment of emotional and behavioral disorganizations considered in terms of their overt manifestations and their underlying psychological, biological and social meaning. Emphasis given to psychosis, neuroses and personality disorders. Not open to students who have completed a basic course in abnormal psychology.
sec. no. 1169/Angers/8:30-10:05 a.m.
sec. no. 1170/Samenfeld/10:15-11:50 a.m.

Political Science

Psychology

Psy. 5530 Advanced Abnormal Psychology (3)

Major theoretical approaches to psychopathology, dynamics and treatment of emotional and behavioral disturbances. Emphasis on psychoses, neuroses, personality disorders and implications of current research.

Prerequisite: Psy. 3540 Abnormal Psychology or Psy. 5520 or permission of instructor.
†sec. no. 1173/R. Roth/12:00-3:20 p.m.

Psy. 5540 Problems of Individual Behavior (3)

The dynamics and problems of individual behavior with emphasis on the approaches used by Freud and Adler. Individual behavior assessed as a dynamic system of interrelated functions with practical applications made through the presentation of case histories.

Prerequisites: Psy. 5510 or 5520 or permission of instructor.
sec. no. 1176/Angers/10:15-11:50 a.m.

Psy. 5550 Behavior Disorders of Children (3)

Major topics and issues related to child pathology. Behavior disorders viewed as reactive, organic or a combination of the two. Etiology, symptoms and prognosis studied from the point of view of psychoanalytic interpretation with supplementary contributions from learning theory and theories stressing possible constitutional components in each disorder.

Prerequisites: Psy. 5110 and Psy. 5520 or permission of instructor.
sec. no. 1179/Scire/8:30-10:05 a.m.

Psy. 5870 Psychological Clinical Case Studies—Practicum (3)

The advanced student in school psychology has an opportunity to make clinical case studies under supervision. He is guided in an appropriate selection of tests. He writes the clinical report, taking into account reports of other specialists. He makes educational and referral recommendations. The student attends case conference with other professionals and gains competence in providing the psychological contribution to the case study.

Prerequisites: Psy. 5550, 5840 and approval of school psychology coordinator.
sec. no. 1181/Scire/10:15 a.m.-2:15 p.m.

Sp. Ed. 5000 Physiological Bases of Learning (3)

Comprehensive study of the central nervous system, both basic and applied. Basic elements of various appropriate disciplines integrated, providing insight into the bases of learning and disorders of learning.

sec. no. 1187/Gaza/10:15-11:50 a.m.

Sp. Ed. 5010 Psychology of the Handicapped (3)

The psychology of all types of exceptionality, mental, physical, emotional and social. All deviances, their etiologies, treatment and educational strategies. The psychological implications of these deviations and the role of the special education teacher in helping the individual.

sec. no. 1190/Schulman/8:30-10:05 a.m.

Sp. Ed. 5050 Psychological Testing (3)

Investigation of the theoretical basis underlying clinical tests of intellectual ability, aptitudes and adjustments. Current trends in psychological testing examined and evaluated against a background of historical developments in this field. Emphasis on educational implications of various test protocols. Opportunities provided for observation of test procedures and practices in administration of those clinical tests most frequently employed in an educational environment.

sec. no. 1193/Gaza/12:00-1:35 p.m.

Sp. Ed. 5110 Principles and Practices of Curriculum Development for Teachers of the Mentally Retarded (3)

Current trends in curriculum development for the mentally retarded reviewed and evaluated in light of research dealing with the needs and characteristics of such children at different maturation levels. Principles of curriculum development applied to the building of a functional curriculum.

sec. no. 1196/Libster/10:15-11:50 a.m.

Sp. Ed. 5120 Arts, Crafts and Developmental Activities for the Retarded (3)

The role of arts and crafts in a program for the retarded. Emphasis on development of sequential activities commensurate with the abilities of the children.

sec. no. 1198/Ferrazzaro/12:00-1:35 p.m.

Sp. Ed. 5227 Advanced Clinical Practice in Speech Pathology I (2)

Demonstration and practice with different types of speech handicapped persons in diagnosis, referral to other specialists and treatment procedures. Designed especially to give the student an opportunity to meet state and ASHA certification requirements in the area of supervised clinical practicum. 5227-5228 must be taken concurrently.

Prerequisites: Sp. Ed. 3256 or 3257 Speech Pathology I or II or Sp. Ed. 4260 Speech Pathology and permission of instructor prior to registration.
sec. no. 1200/Heller/9:00 a.m.-2:30 p.m.

Sp. Ed. 5228 Advanced Clinical Practice in Speech Pathology II (2)

Taken concurrently with 5227.

sec. no. 1201/Heller/9:00 a.m.-2:30 p.m.

Sp. Ed. 5232 Neuro-Physiology of the Ear and Speech Mechanism (3)

For advanced students in speech and hearing therapy. Demonstrates basic concepts of neuro-physiology and neuro-pathology and their clinical application. The origins, growth, development, and integration of the various neurological mechanisms related to speech and hearing discussed and illustrated by slides and films. The correlation of structure and function in speech and hearing and the relationship with brain mechanisms studied.

Prerequisite: Sp. Ed. 4258 Speech and Hearing Clinic II.

sec. no. 1204/Shulman/10:15-11:50 a.m.

Sp. Ed. 5250 Education and Counseling for Parents of Children with Speech Disorders and Other Handicaps (3)

Problems and practices in understanding and assisting parents of children with speech problems and other types of handicaps. Should be beneficial to speech correction teachers and all teachers who deal with handicapped children.

†*sec. no. 1206/Terr/5:45-10:05 p.m.

Sp. Ed. 5310 Emotionally Disturbed Children in the Classroom (3)

Interaction between the emotionally disturbed child and the classroom and its environment as a social system. Emphasis on social field theory, communication and the school values and mores as they are experienced by the emotionally disturbed and the classroom teacher.

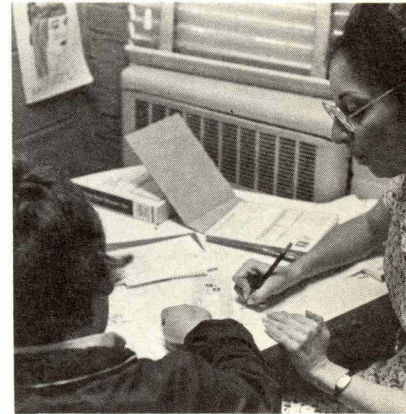
Prerequisite: Sp. Ed. 2051 Introduction to Education of the Handicapped.

sec. no. 1208/J. Roth/8:30-10:05 a.m.

Sp. Ed. 5321 Nature and Needs of the Emotionally Disturbed and Socially Maladjusted (3)

Identification and recognition of maladjusted children in school setting. Their nature and needs.

sec. no. 1211/J. Roth/10:15-11:50 a.m.



Sp. Ed. 5322 Materials, Programs and Methods for Teaching the Emotionally Disturbed and Socially Maladjusted (3)

Emphasis on curriculum design, teaching techniques, clinics, programs and materials. Prerequisite: Sp. Ed. 5321 or equivalent.

sec. no. 1214/Libster/8:30-10:05 a.m.

Sp. Ed. 5360 Supervised Experience with Emotionally Disturbed and Socially Maladjusted (3)

Designed to provide understanding of purposes and functions of various community agencies which educate disturbed and maladjusted children. Several such agencies visited. Each student assigned to work in an agency for a minimum of 150 hours in order to experience more thoroughly its approach. Open to matriculated degree students by pre-arrangement. Does not fulfill student teaching requirement.

Prerequisite: Permission of instructor.

sec. no. 1217/Time to be arranged

Sp. Ed. 5490 Internship for Learning Disabilities Specialist (3)

For students in the graduate planned program of non-degree study leading to approval as learning disabilities specialist, who have completed all other requirements. Students participate in the team process, educational diagnosis, remediation and consultation.

Prerequisite: Permission of learning disabilities advisor.

sec. no. 1219/8:30 a.m.-3:20 p.m.

S.P.S. 5950 Principles and Procedures of Counseling (3)

Intensive and extensive exposure to various approaches to counseling. In addition to films, tapes, role-playing and class discussions, students will be involved in counseling sessions with actual groups to be selected and established by the student.

*sec. no. 1226/Bachkai/8:00-10:05 p.m.

†sec. no. 1227/McCracken/12:00-3:20 p.m.

S.P.S. 5962 Group Process in Guidance (3)

Major emphasis on achieving better understanding of the self, group, its characteristics and components and the relationship of group process to an effective guidance program. May be taken without S.P.S. 5961.

*sec. no. 1229/Polsky/1st meeting 5:45 p.m.

S.P.S. 5971 Community Organization and Services (3)

The development of community service agencies to meet community needs and ways of coordinating these services with schools. Current legislation, legal implications; the techniques of community study and program development.

‡sec. no. 1233/Presley/12:00-3:20 p.m.

S.P.S. 5975 Career Development: Educational and Occupational Information (3)

Informational responsibilities of student personnel services. The many facets of guidance as it deals with education, occupations and community resources. Evaluation and organization of informational materials; establishment and maintenance of a guidance library of vocational educational opportunities; identification and cooperation with community agencies and resources, including business and industry; methods of making information available to students to help them in decision making.

*sec. no. 1236/Bachkai/5:45-7:50 p.m.

S.P.S. 5980 Practicum in Counseling—Guidance or Social Work (3)

Appropriate supervised field work in a guidance or social work setting.

Prerequisites: Sp. Ed. 5910, 5950, two other student personnel courses and the permission of the instructor.

sec. no. 1240/McCracken/10:15-11:50 a.m.

sec. no. 1241/Healy/10:15-11:50 a.m.

*sec. no. 1242/Ward/5:45 p.m. 1st session (Guidance)

*sec. no. 1243/Ward/5:45 p.m. 1st session (School Social Work)

S.P.S. 5999 Advanced Seminar: Research in Student Personnel Services II (3)

sec. no. 1247/Ward/1:35-3:20 p.m.

UNDERGRADUATE COURSES AT UNION
SUMMER SESSION JUNE 23-JULY 31

Unless otherwise noted, daytime courses meet each day, Monday through Thursday.

† Indicates courses which run for the first three weeks of summer session only, June 23-July 10.

‡ Indicates courses which run the second three weeks of summer session, July 14-July 31.

* Indicates evening courses which meet Monday, Tuesday and Thursday.

Please check all course listings for class time and for special information. The course listing reads as follows:

Course no. Title (sem. hrs.)

Description of course

Prerequisite:

sec. no./instructor/time

Biology

Bio. 1000 Principles of Biology (4)

The course introduces the student to the nature of living forms, their interdependencies, and their adjustments to their physical environment. The fundamentals of structure and function dealt with in such primary processes as respiration, digestion, circulation, excretion, the control systems, reproduction, and heredity and variation of biological form through time.

sec. no. 1301/8:30-11:20 a.m.

sec. no. 1302/11:30 a.m.-2:20 p.m.

sec. no. 1303/8:30-11:20 a.m.

sec. no. 1304/11:30 a.m.-2:20 p.m./taught in Spanish

*sec. no. 1305/5:45-9:20 p.m./taught in Spanish

Bio. 2001 Social Implications of Biology (3)

Consideration of the problems generated by the discoveries in biology for man and society; biological factors of race and races and their social implications; problems due to man's persistence in overpopulation. Not open to biology majors for credit.

sec. no. 1308/10:15-11:50 a.m.

Bio. 2200 Cell Biology (4)

The cell as the unit of structure and function of organisms. Emphasis is placed on molecular organization, form and function of cell organelles and cell specialization.

Prerequisite: Bio. 1000 or permission of the instructor

*sec. no. 1310/5:45-9:30 p.m.

Bio. 2402 Principles of Human Physiology and Anatomy (4)

The physiology of the body processes and the related anatomical and histological studies. Consideration is given to the structure and function of the organ systems with emphasis being placed on the physiological processes.

Prerequisite: Bio. 1000 or permission of instructor.

sec. no. 1312/11:30 a.m.-2:20 p.m.

Bio. 2601 Environment, Ecology and Man (4)

A course for nonscience majors describing basic ecological principles such as energy flow, nutrient cycling, limiting factors, population growth and regulation. Emphasis on man's disruptive effects in the environment. Content includes pollution, radiation, pesticides, endangered species and human population pressures.

Prerequisite: Bio. 1000 or permission of instructor.

sec. no. 1314/8:30-11:20 a.m.

Bio. 3305 Principles of Microbiology (3)

A survey of micro-organisms with emphasis on the protozoa, bacteria, algae and fungi of economic importance. Morphology, physiology and methods of culture and identification of common and representative forms are studied as they relate to human welfare.

Prerequisite: Bio. 2200 or permission of the instructor.

sec. no. 1316/8:00-10:05 a.m.

Chem. 1083 Chemistry I (4)

Meets the general education science requirements. A thorough discussion of the fundamental principles of chemistry such as atomic structure, bonding, solutions, chemical equilibrium, oxidation, reduction, and descriptive chemistry. Mathematical relationships and problem-solving are stressed. It is advisable that the student have competence in elementary algebra. No credit is granted for this course unless Chem. 1084 is also completed.

*sec. no. 1322/Lab. 5:45-7:50 p.m., Lecture 8:00-10:05 p.m.

Chem. 1084 Chemistry II (4)

A continuation of Chem. 1083 which is prerequisite.

*sec. no. 1324/Lab 8:00-10:05 p.m., Lecture 5:45-7:50 p.m.

Chem. 2180 Principles of Organic Chemistry (4)

A terminal one semester course dealing with the principles involved in the elucidation of the structure of organic compounds and the nature of the reactions encountered in aliphatic and aromatic chemistry. Examples of the common functional groups. Industrial and medical applications.

Prerequisite: Chem. 1083-1084 or permission of the instructor.

*sec. no. 1326/Lab. 8:00-10:05 p.m., Lecture 5:45-7:50 p.m.

Chem. 4183 Introduction to Physical Organic Chemistry (3)

The application of physical chemical principles to the study of organic compounds. An introduction to conformational analysis, molecular orbital theory and resonance concepts.

Prerequisites: Organic Chemistry Lecture II and Physical Chemistry

*sec. no. 1328/5:45-7:50 p.m.

C.S. 3400 The Teaching of Reading in the Elementary School (3)

A detailed study of a productive reading program from its beginning through the eighth grade. Emphasis is on materials, methods, research results and modern trends.

sec. no. 1334/8:30-10:05 a.m.

*sec. no. 1335/5:45-7:50 p.m.

C.S. 4400 Advanced Reading Techniques (3)

Designed to study in depth current methods and materials for the teaching of reading. Background of knowledge about the total field of reading is broadened. Learning to read, assessment of reading progress and reading in the content areas are studied. Emphasis is placed on corrective techniques in practical classroom application.

Prerequisite: C.S. 3400.

sec. no. 1339/10:15-11:50 a.m.

C.S. 4402 Reading Disabilities (3)

Adaptation to individual needs is stressed. Attention is focused on the neurological, physical, mental and emotional aspects which may impede learning. Reading problems of individual children are diagnosed and remediated.

Prerequisite: C.S. 4400.

*sec. no. 1342/8:00-10:05 p.m.

Chemistry

Communication Sciences

C.S. 4700 Audio-Visual Media of Instruction (3)

General principles, problems and practices involved in the selection, utilization and evaluation of audio-visual instructional media, materials, resources and experiences. The preparation of teacher-made and student-made audio-visual instruction materials. Practice in the operation and general care of audio-visual equipment. Exposure to newer technologies and learning systems.

sec. no. 1345/8:30-10:05 a.m.

*sec. no. 1346/5:45-7:50 p.m.

Comp. Sci. 1931 Computer Arithmetic Algorithms (3)

Historical development of computers, components of electronic data processing equipment, flow charting, programming, keypunching, and verifying arithmetic algorithms for electronic digital processing, debugging and analysis of results related to processed algorithms. Designed specifically for non-mathematics majors. Laboratory facilities allow for a maximum of 25 students per section.

sec. no. 1761/Garb/8:30-10:05 a.m.

sec. no. 1762/Garb/12:00 noon-1:35 p.m.

Comp. Sci. 1932 Principles and Procedures of Electronic Data Processing (3)

Fundamental principles and procedures of electronic data processing include: historical development of electronic machines, punched-card data processing, machine language coding, systems analysis and procedure, flow charts, utilization of coded-data representation for arithmetic and control units, and programming scientific and sequential information for various kinds of electronic machines.

Prerequisite: Comp. Sci. 1931 or 3993.

sec. no. 1764/Arnow/10:15-11:50 a.m.

Comp. Sci. 2931 Business Oriented Programming Techniques (3)

Higher level programming languages for commercial application. Emphasis on programming techniques and language structure. Additional topics: systems analysis, design and implementation, program definition, development and documentation. Preparation for participation in the computer science industrial cooperative program.

Prerequisite: Comp. Sci. 1932 or equivalent.

sec. no. 1766/Arnow/12:00 noon-1:35 p.m.

Comp. Sci. 3993 Computer Programming I (3)

Concepts of functions and algorithms in writing and keypunching programs processed on an electronic digital computer. Flow-charting; single-loop and nested loop processes; arithmetic processed, fixed-point, and floating-point arithmetic and non-numeric values; iteration and approximations; and non-numeric repetitive processes as applied to numerous types of elementary mathematical problems.

Prerequisite: Twelve hours of college mathematics.

sec. no. 1768/Santomauro/8:30-10:05 a.m.

Comp. Sci. 3994 Computer Programming II (3)

Double precision, complex, and logical values, predefined and written subroutines, n-dimensional arrays, subprograms, numeric, logical alphanumeric, literal and blank data, mixed mode, indexing, and optimized programs utilized in more intricate mathematical problems.

Prerequisite: Twelve hours of college mathematics. Students must register for both Programming I & II.

sec. no. 1770/Santomauro/10:15-11:50 a.m.

E.C. 1200 Introduction to Early Childhood Education (3)

The first in a 15 hour sequence offered by Kean College to qualify as a group teacher in an approved early childhood center. This course places emphasis on the critical years (prenatal to age five) of child development. It examines the roles of adults in providing appropriate activities and materials for children, and investigates service and guidance to parents and other adults in the child's learning environment.

Prerequisite: High School Equivalency.

*sec. no. 1352/8:00-10:05 p.m.

E.C. 3100 Children's Literature in Early Childhood Education (2)

The different techniques and merits of story-telling put into practice with groups of children. Students learn to evaluate suitability of literature for various age levels. They become familiar with good contemporary authors and illustrators of children's books as well as the historical development of the literature for young children.

*sec. no. 1354/6:30-7:50 p.m.

E.C. 3110 Language Arts in Early Childhood Education (5)

The development of language skills (listening, speaking, reading, writing) in young children at various age levels: techniques for providing a sound language program for nursery-kindergarten-primary age children; development of students' own skills in speaking, reading aloud and handwriting; examination of important research in this area; evaluation and use of various methods and materials of instruction.

sec. no. 1357/8:30-11:10 a.m.

E.C. 3200 Child Development and Early Childhood Curriculum I (6)

The first part of a 12-semester-hour sequence showing the development of the curriculum for children through the primary grades. New aims, approaches, methods and materials derived from current knowledge and research in child development. The history of curriculum development and recent trends. Study and evaluation of techniques and materials that good teachers use in various activities. Observation and participation in day care centers, nurseries and kindergartens. Special emphasis on the use of art media and other creative materials and on the interrelatedness of home and community.

Prerequisite: Psy. 1000, 2100 or permission of instructor.

sec. no. 1360/8:30-11:50 a.m.

*sec. no. 1361/5:45-10:05 p.m.

*sec. no. 1362/5:45-10:05 p.m.

E.C. 4200 Development and the Early Childhood Curriculum II (6)

Continuation of E.C. 3200. Emphasis on the program for the primary grades to include various curricular approaches used in different school systems; functional learning experiences for children of different ages, maturity levels and abilities; the integration of subject areas—science, social science, mathematics, language arts, crafts, art, music and physical education; understanding of the parents' and child's points of view and the specific techniques and materials for reporting to parents.

Prerequisite: E.C. 3200.

*sec. no. 1365/5:45-10:05 p.m.

E.C. 4510 Independent Study in Early Childhood Education (3)

Designed to extend knowledge, attitudes and skills through individual experience and interpretation in the field of early childhood education. Methods of inquiry examined as a prelude to independent study. Open only to Early Childhood seniors who may select it as an alternate to E.C. 4500.

sec. no. 1368/Time to be arranged

Earth and Planetary Environments

E.S. 1300 Introduction to Meteorology (4)

A non-mathematical study of the atmosphere, including meteorological instruments, the general circulation of the atmosphere, fronts and air masses, cyclones, hurricanes, and the upper atmosphere. Atmospheric phenomena discussed in terms of structure and prediction.

*sec. no. 1372/Sandoval/5:45-10:05 p.m.

Economics

Econ. 1020 Principles of Economics I (3)

The American economy; aggregate economics with emphasis on the relationships on income, consumption, savings and investment; money and banking, economic growth and the role of government.

sec. no. 1374/8:30-10:05 a.m.

*sec. no. 1375/Finch/8:00-10:05 p.m.

*sec. no. 1376/Schumacher/5:45-7:50 p.m. first class/non-traditional

Econ. 1021 Principles of Economics II (3)

The allocation of resources and distribution of income through the price systems with emphasis on the American economic system.

*sec. no. 1379/Schumacher/8:00-10:05 p.m. first class/non-traditional

Econ. 3600 Government and Business (3)

The development of public policies towards business. The principles, purposes and effectiveness of anti-trust laws and other government regulations of business. Prerequisites: Econ. 1020-1021 or consent of instructor.

*sec. no. 1382/Finch/5:45-7:50 p.m.

Econ. 3800 Labor Economics (3)

Economic analysis applied to the labor market and the wage structure; wage theories and policies; collective bargaining and unionism; labor problems.

Prerequisites: Econ. 1020 and 1021.

sec. no. 1385/12:00-1:35 p.m.

Educational Arts and Systems

E.A.S. 3100 Elementary Curriculum and Methodology (3)

Elementary school objectives, practices, curriculum patterns and planning techniques. Kean College elementary education majors should see E.A.S. department advisor before registration.

sec. no. 1391/Foskey/10:15-11:50 a.m.

*sec. no. 1392/Foskey/5:45-7:50 p.m.

E.A.S. 3110 English in the Elementary School (3)

Study of the teaching of literature, linguistics, written expression, cursive and manuscript writing, listening and speaking. Kean College elementary education majors should see E.A.S. department advisor before registration.

sec. no. 1395/Herrick/12:00 noon-1:35 p.m.

*sec. no. 1396/Herrick/5:45-7:50 p.m.

E.A.S. 3120 Mathematics in the Elementary School (3)

Inquiry into the nature of mathematics and its implications for teaching, the use of visual materials in teaching, learning theories as they pertain to mathematics education and current elementary school mathematics programs.

sec. no. 1399/Kavett/10:15-11:50 a.m.

sec. no. 1400/Kavett/12:00 noon-1:35 p.m.

*sec. no. 1401/Orfan/8:00-10:05 p.m.

E.A.S. 3130 Science in the Elementary School (3)

A study of science content and teaching methodology including student planning, development and presentation of instructional methods and media. Kean College Elementary education majors should see E.A.S. department advisor before registration.

sec. no. 1405/8:30-10:05 a.m.

sec. no. 1406/10:15-11:50 a.m.

E.A.S. 3132 Field Science for Elementary School Teachers (3)

Consideration is given to natural resources, both physical and biological, as applied to elementary school science instruction.

sec. no. 1409/Beam/12:00 noon-1:35 p.m.

E.A.S. 3150 Introduction to Bilingual Education (3)

Analysis of concept of bilingualism; study of objectives, curriculum, methods, materials and existing programs in bilingual education. Observation in bilingual classrooms.

*sec. no. 1412/5:45-7:50 p.m.

E.A.S. 3151 Teaching Techniques in Spanish for Bicultural Schools (3)

Fundamental concepts of Spanish language and culture as they relate to the curriculum of the urban elementary school (K-8). Idiomatic expression, language and communication skills with Spanish-speaking children, parents and communities. Extensive field work.

*sec. no. 1414/8:00-10:05 p.m.

E.A.S. 3710 Teaching English as a Second Language (3)

Analysis of the problems involved in English instruction where English is a second language. Ethnic and linguistic backgrounds of children for whom English is a second language. Accepted by the English department as fulfilling the requirement in language for English majors.

sec. no. 1417/12:00 noon-1:35 p.m.

*sec. no. 1418/5:45-7:50 p.m.

E.A.S. 4140 Social Studies in the Elementary School (3)

Study of the objectives of elementary school social science, planning techniques, teaching materials, innovative programs and evaluation, emphasizing the interdisciplinary approach.

sec. no. 1421/Amick/10:15-11:50 a.m.

*sec. no. 1422/Esposito/8:00-10:05 p.m.

E.P.S. 2000 Introduction to Education (3)

An invitation to students to consider the nature, aims and methods of education particularly in the light of their own school and social experience. Emphasis throughout on the major problems and opportunities of the present and future. Every effort made to involve participants actively, in class and out, in the theory and practice of education.

sec. no. 1428/8:30-10:05 a.m.

E.P.S. 4010 History of Education (3)

Consideration of education as a dynamic institution in the culture of Western Civilization from Greek beginnings to contemporary America. Traced within a total historical context which includes geography, influential leadership and other developmental factors which are often the deep roots of evolution and innovative ideas and practices in an ever-changing society.

sec. no. 1430/12:00 noon-1:35 p.m.

E.P.S. 4030 Education and Social Change (3)

To help the educator understand his role as a change-agent, the main theories of change, resulting from inventions, reforms, revolutions and utopias are examined. Special attention given to the problem of resistance to needed educational and social innovations.

sec. no. 1432/10:15-11:50 a.m.

E.P.S. 4040 Comparative Education (3)

Education in the United States and in other representative areas of the world compared. Emphasis placed on the foundations of education in their historic, socio-economic, and political setting.

*sec. no. 1435/5:45-7:50 p.m.

Educational Policy Sciences

E.P.S. 4050 Urban Education (3)

For students interested in teaching in an urban school system, especially inner-city: short orientation to the history and sociology of the contemporary urban scene; survey of the newer methods and helpful techniques; visits to selected urban classrooms; speakers representing important community offices.

sec. no. 1438/8:30-10:05 a.m.

sec. no. 1439/10:15-11:50 a.m.

*sec. no. 1440/8:00-10:05 p.m.

Ed. Psy. 3801 Educational Psychology (3)

An analysis of learning theory and its application. Considers cognition, motivation, tests and measurements. Kean College elementary education majors should see E.A.S. department advisor before registration.

*sec. no. 1446/Hart/8:00-10:05 p.m./non-traditional

sec. no. 1447/Fanelli/10:15-11:50 a.m.

sec. no. 1448/Larghi/8:30-10:05 a.m.

Ed. Psy. 4801 Group Dynamics-Principles and Applications (3)

Principles of group function (types of groups, group structure, communication, leadership, membership roles, etc.), means of observing and recording group information, and techniques of working with groups. Designed for students interested in group processes and group work in education, recreation and allied fields.

sec. no. 1451/Fanelli/12:00 noon-1:35 p.m.

Eng. 1000 English as a Second Language I (3)

Practice in understanding, speaking and reading English for the student whose native language is not English.

sec. no. 1457/8:30-10:05 a.m.

Eng. 1001 English as a Second Language II (3)

Continued practice in speaking and reading English for the student whose native language is not English. Instruction in writing short passages.

Prerequisite: Eng. 1000 or consent of instructor.

*sec. no. 1459/8:00-10:05 p.m.

Eng. 1003 Writing in English II (3)

Introduction to the writing of expository English. Continued practice in reading English.

Prerequisite: Eng. 1001 or consent of instructor.

*sec. no. 1461/5:45-7:50 p.m.

Eng. 1010 is prerequisite to all English courses beyond the 1000 level except in cases of exemption or permission of the instructor.

Eng. 1010 Composition (3)

Development of skills in reading and writing expository prose and in the techniques of research.

sec. no. 1463/Sanders/8:30-10:05 a.m.

*sec. no. 1464/Larsen/8:00-10:05 p.m.

Eng. 1900 Speech (3)

Various aspects of speaking and listening; the development of effective voice and speech habits, with practice in public speaking, parliamentary procedure and oral reading.

sec. no. 1468/Dunn/10:15-11:50 a.m.

*sec. no. 1469/Lumsden/5:45-7:50 p.m.

sec. no. 1470/Harper/8:30-10:05 a.m.

Eng. 1940 Technical Theatre Production (3)

An introduction to the basic elements of scenery, costuming, make-up, sound and lighting.

sec. no. 1473/Harper/10:15-11:50 a.m.

Eng. 2035 Feature Writing

Instruction and practice in the principles of writing the feature article for both newspapers and magazines with emphasis on style, organization, and human interest.

*sec. no. 1475/8:00-10:05 p.m.

Eng. 2205 British Literature I (3)

Major writers, styles, ideas in English literature from Beowulf to Milton.

sec. no. 1477/Sanders/10:15-11:50 a.m.

Eng. 2215 Shakespeare Survey (3)

An introduction to Shakespeare's comedies, histories and tragedies.

sec. no. 1479/Scotto/12:00 noon-1:35 p.m.

*sec. no. 1480/Larsen/5:45-7:50 p.m.

Eng. 2220 American Literature to 1860 (3)

A survey from colonial times to the Civil War with emphasis on Franklin, Cooper, Poe, Emerson, Thoreau and Melville.

sec. no. 1482/Scotto/8:30-10:05 a.m.

Eng. 2221 American Literature from 1860 to 1914 (3)

A survey from the Civil War to World War I with emphasis on Whitman, Twain, James, Howells, Crane and Dreiser.

sec. no. 1485/Evans/12:00 noon-1:35 p.m.

Eng. 2505 Literature for the Adolescent (3)

A study of traditional and contemporary literature of interest and value to adolescents.

sec. no. 1488/Krueger/8:30-10:05 a.m.

Eng. 2975 Introduction to Mass Media (3)

The effects of mass media in American society and the development of taste for the popular arts.

Prerequisite: Eng. 1900.

sec. no. 1491/Remmers/8:30-10:05 a.m.

Eng. 3350 Contemporary Literature (3)

American, English and European literature of the twentieth century.

*sec. no. 1493/Fyne/5:45-7:50 p.m./non-traditional

sec. no. 1494/Urang/12:00 noon-1:35 p.m.

Eng. 3506 Modern British and American Poetry: 1900-1950 (3)

The genesis of modern poetry, its major characteristics and its relations to the poetic tradition.

sec. no. 1497/Evans/8:30-10:05 a.m.

Eng. 3710 Coming of Age (3)

A study of the themes of childhood, loss of innocence and initiation into maturity, as they are treated in a variety of English and continental literary works.

*sec. no. 1499/O'Day/5:45-7:50 p.m.

Eng. 3950 The Art of Persuasion (3)

Examination of the nature of persuasion in human interaction situations.

*sec. no. 1502/Lumsden/8:00-10:05 p.m.

Eng. 4415 Poe, Hawthorne and Melville (3)

The poetry, fiction and criticism of the three writers with emphasis also on literary, biographical and historical data.

Prerequisite: Eng. 2220 (recommended) or Eng. 2221.

*sec. no. 1504/Weinstein/8:00-10:05 p.m.



Eng. 4710 Literature and the Supernatural (3)

The influence on our culture of magic, occult philosophies, witchcraft, and the paranormal examined from traditional and contemporary sources in literature.

For graduate credit: By permission of student's graduate advisor.

sec. no. 1506/Currier/10:15-11:50 a.m.

Eng. 4912 Street and Play-Cart Theatre (6)

A study in community involvement in the planning, performing and evaluating of a community oriented project in theatre as a performing art.

sec. no. 1508/Fry/8:30 a.m.-12:30 p.m. first class meeting

F.A. 1000 Introduction to Art (3)

Appreciation, analysis and creation in the visual arts. Exploration of materials, tools and processes. Not for fine arts majors.

sec. no. 1514/Schwartz/10:15-11:50 a.m.

*sec. no. 1515/Schwartz/5:45-7:50 p.m.

F.A. 1100 Design I (3)

Introductory studio course for fine arts majors. The structuring of visual elements, leading to personal expression and artistic awareness. Deals with the two-dimensional media.

sec. no. 1518/Coon/Mon. and Wed., 8:30 a.m.-12:00 noon

F.A. 1101 Design II (3)

Continuation of F.A. 1100, dealing with three-dimensional media.

Prerequisite: F.A. 1100

sec. no. 1520/Coon/Tues. and Thurs., 8:30 a.m.-12:00 noon

F.A. 1230 Drawing (3)

Materials and methods in drawing, with emphasis on personal vision and expression. Historic development of style in drawing.

sec. no. 1522/Pierro/Tues. and Thurs., 8:30 a.m.-12:00 noon

F.A. 1700 Art History I (3)

Chronological study of important works of art from Prehistory to the Renaissance. Stylistic analysis and comparison. Relationship of the art form to its cultural setting.

sec. no. 1524/Stotz/10:15-11:50 a.m.

F.A. 3160 Introduction to Interior Design (3)

An introduction to the design and utilization of interior spaces. Residential, business and industrial, public and multipurpose interiors. The role of the interior designer in exploring ways of utilizing social and technical modes of the contemporary world. Special emphasis on an appreciation of form, function, and cultural behavior. Additional fees or expenses: field trips, admission to museums.

*sec. no. 1526/Lipscomb/5:45-7:50 p.m.

F.A. 3200 Painting I (3)

Studio course in design and expression in the media of painting, dealing with both traditional and experimental methods.

Prerequisite: F.A. 1230.

*sec. no. 1528/Cornish/5:45-7:50 p.m.

F.A. 3210 Watercolor (3)

Materials and methods in the art of watercolor with experience in both opaque and transparent pigments. Work will include theory and studio practice with historic developments in style.

Prerequisite: F.A. 1230 or permission of instructor.

sec. no. 1530/Burger/10:15-11:50 a.m.

F.A. 3230 Life Drawing (3)

A study of human form through drawing from life. The human form in the expression of other cultures and our own.

Prerequisite: F.A. 1230.

*sec. no. 1532/J. Metzger/7:00-10:00 p.m.

F.A. 3260 Printmaking: Relief and Intaglio (3)

Studio course with concentration on the processes of relief and intaglio printing. Original images and concepts through a variety of techniques.

Prerequisite: F.A. 1230.

sec. no. 1534/M. Metzger/Tues. and Thurs. 8:30 a.m.-12:00 noon

F.A. 3300 Sculpture: Subtraction, Substitution, Fabrication (3)

A studio course in the materials and methods of sculpture emphasizing subtraction, substitution, and fabrication techniques. Field trip(s).

*sec. no. 1541/Nicolescu/Tues. and Thurs. 6:00-9:30 p.m.

F.A. 3400 Ceramics I (3)

Three-dimensional form as it relates to clay. Deals with hand-building, potters wheel, surface treatment, chemical and physical properties of clay and glazes. Ceramics as an art form.

sec. no. 1544/Buncamper/Mon. and Wed. 8:30 a.m.-12:00 noon

*sec. no. 1545/S. Thomas/Mon. and Wed. 6:00-9:30 p.m.

F.A. 3401 Ceramics II (3)

A continuation of Ceramics I in three-dimensional form as it relates to clay. Deals with hand-building, potters wheel, surface treatment, chemical and physical properties of clay and glazes. Ceramics as an art form.

Prerequisite: F.A. 3400.

sec. no. 1548/Buncamper/Tues. and Thurs. 8:30 a.m.-12:00 noon

*sec. no. 1549/S. Thomas/Tues. and Thurs. 6:00-9:30 p.m.

F.A. 3430 Jewelry I (3)

Introductory studio course which explores design and construction of jewelry. Basic forming methods are covered, as well as methods of relating other materials to metal. Jewelry and metal design as an art form in our own time and in selected historic periods.

Prerequisite: F.A. 1000 or 1101.

sec. no. 1552/A. Goodwin/Mon. and Wed., 8:30 a.m.-12:00 noon

*sec. no. 1553/N. Goodwin/Mon. and Wed., 6:00-9:30 p.m.

F.A. 3460 Introduction to Textiles (3)

Introductory studio course in textiles as an art form. Weaving knotting, applied decoration, study of fibers. Historical development and contemporary forms in textiles.

Prerequisite: F.A. 1000 or F.A. 1100 or permission of the instructor.

sec. no. 1555/Markholm/Tues. and Thurs., 8:30 a.m.-12:00 noon

F.A. 3462 Weaving I (3)

Studio course in the design and production of woven fabrics. Techniques in the use of primitive, table and floor looms. Fiber, color, and draft analysis.

Prerequisite: F.A. 1000 or F.A. 1100.

sec. no. 1557/Markholm/Mon. and Wed., 8:30 a.m.-12:00 noon

F.A. 3700 American Art (3)

American art from colonial times to 1865. Major movements and influences affecting the development of an American style.

*sec. no. 1559/Wallach/5:45-7:50 p.m.

F.A. 3740 Modern Art (3)

From Cubism to Abstract Expressionism. A study of important artists, works of art and stylistic movements in Europe and America from 1900 to 1960.

sec. no. 1562/Stotz/12:00 noon-1:35 p.m.



F.A. 3910 Art in Education (3)

Understanding the child's natural modes of expression, selection of media to develop this expression, and finding ways of teaching in the elementary school which will increase esthetic awareness, develop skills, enrich experience, and invite expression.

Not intended for fine arts majors.

†sec. no. 1565/St.John/12:00 noon-3:10 p.m.

*sec. no. 1566/Howe/8:00-10:05 p.m.

F.A. 4000 Independent Study in Fine Arts (3,3)

Independent projects or research in a specific field of interest, by arrangement with a sponsoring professor. May be repeated for credit.

Prerequisite: Permission of the instructor prior to registration.

sec. no. 1570/Time to be arranged

I.D. 4850 Interrelating the Arts (3)

Interrelationships of form and content in the expressive arts, studies through personal involvement in the visual arts, dance, music and drama.

Prerequisite: Two courses in the areas of art, music, dance or drama.

sec. no. 1574/Howe/12:00 noon-1:35 p.m.

French

Fr. 2101 Intermediate French I (3)

Designed to expand the student's competence and fluency in speaking, understanding, reading and writing French, and to acquaint the student with various aspects of the literature and culture of France. Credit given only upon completion of both semesters.

Prerequisite: Fr. 1102 or permission of the instructor.

sec. no. 1580/Markle/10:15-11:50 a.m.

Health
see also
Recreation

H. Ed. 1100 Healthful Living (2)

A background of scientifically accurate health information, realistic criticism of various panaceas, and emphasis on positive health through planning and practicing a wholesome program of living. The course furnishes experiences for the student to find out about himself and his health needs and to act accordingly.

†sec. no. 1601/12:00 noon-2:10 p.m.

*sec. no. 1602/8:00-9:20 p.m.

H. Ed. 1400 Human Sexuality (2)

An overview of sex and sexuality in today's society, with implications for evolving male-female relationship, dating patterns, marriage and responsible parenthood.

*sec. no. 1605/6:30-7:50 p.m.

*sec. no. 1606/8:00-9:20 p.m.

H. Ed. 3237 The School and Community Health Program (2)

The school and community health program, the teacher's role in school and community health services, healthful school environment, and health instruction in the elementary school.

†sec. no. 1610/12:00 noon-2:10 p.m.

*sec. no. 1611/6:30-7:50 p.m.

H. Ed. 4234 Sex Education (3)

An overview of sex and sexuality in today's society, with implications for evolving male-female relationships, dating patterns, marriage and responsible parenthood. Special attention and emphasis given to the role and responsibility of the schools in educating for sexuality.

sec. no. 1615/8:30-10:05 a.m.

*sec. no. 1616/8:00-10:05 p.m.

Hist. 1050 Origins of Political and Social Values: The Judeo-Christian-Classical Fusion (3)

A study of the development in ancient times of the great ethical and political traditions of the Jews, Greeks and Romans. The role of Christianity in assimilating these values and transmitting them to later ages.

sec. no. 1625/Goldberg/8:30-10:05 a.m.

Hist. 1051 The Processes of Civilization: Cultural Borrowings and the Emergence of Western Man (3)

The significance of the interaction of the Byzantine, Islamic and Western European culture in the emergence of Western man.

sec. no. 1627/10:15-11:50 a.m.

Hist. 1062 From Western Civilization to World Civilization: Crises of the Contemporary World (3)

A survey of world civilization in contemporary times, showing how Western civilization has spread throughout the world, and has been altered and, in part, rejected in the process.

*sec. no. 1629/Zimmer/8:00-10:05 p.m.

Hist. 2303 United States History to 1877 (3)

A comprehensive study of the American people, including the colonial period, the struggle for independence and the national period through Reconstruction.

*sec. no. 1632/Rice/5:45-7:50 p.m.

Hist. 2304 United States History—1877 to Present (3)

A study of the development of American industrialism, westward expansion, the reform impulse and foreign affairs to the present day.

*sec. no. 1635/Rice/8:00-10:05 p.m.

Hist. 2472 History of Far Eastern Civilization II: The 19th and 20th Centuries (3)

An examination of the impact of the Western world on the traditional cultures of China, Japan and Korea; their different reactions to the Western challenge; the causes of tension and conflict. Continuous use of significant Far Eastern source materials in suitable English translations.

†sec. no. 1638/Didsbury/12:00 noon-3:10 p.m.

Hist. 3231 Medieval Europe: History and Civilization I (3)

Europe from the Barbarian invasions to the renaissance of the 12th century. A survey of the history, institutions and culture of the middle centuries of Western Civilization.

Prerequisite: Six hours of history.

*sec. no. 1640/Zimmer/5:45-7:50 p.m.

Hist. 3324 The American West (3)

The history of the advancing frontier in the United States from colonial times through the nineteenth century with an analysis of its effect upon the institutional and intellectual development of the American people. Special emphasis given to the historiography of American frontier history.

Prerequisite: Six hours of history.

sec. no. 1642/Fridlington/8:30-10:05 a.m.

Hist. 3326 History of New Jersey (3)

The social and political development of New Jersey within the larger context of American history.

Prerequisite: Six hours of history.

sec. no. 1644/Fridlington/10:15-11:50 a.m.

History

Hist. 4237 Europe Since 1870 (3)

Changes in European societies since the unification of Italy and Germany, with particular attention to nationalism and imperialism, democracy and dictatorship. Post-war trends toward European integration assessed in terms of Europe's position in the late 20th century world.

Prerequisite: Six hours of history.

sec. no. 1647/Letterese/12:00 noon-1:35 p.m.

Hist. 4361 The American City (3)

The growth of urban America, beginning with the colonial seaports through the 20th century, including the spread of industrialization, transportation and communication. The impact of the city on American culture. Present day problems — race relations, the population explosion, the rise of suburbia, and the development of megalopolis.

Prerequisite: Six hours of history.

sec. no. 1650/Furer/8:30-10:05 a.m.

Hist. 4365 American Foreign Affairs I: 1775-1899 (3)

A basic survey of American diplomatic history to 1899 dealing with the formation and implementation of American foreign policy with a view to its effect on the world situation and domestic developments.

Prerequisite: Hist. 2303-2304.

sec. no. 1652/R. Mayer/12:00 noon-1:35 p.m.

Hist. 4367 The History of American Immigration (3)

The society of the United States as a mosaic made up of various immigrant groups. Each successive wave of newcomers treated separately: their origins and character; their settlement and reception in the United States; their reaction to the new world; their impact on their adopted country; the effect of the exodus on their homelands; and United States immigration policies.

Prerequisite: Six hours of history.

sec. no. 1654/Furer/10:15-11:50 a.m.

Hist. 4995 Independent Study in History (3)

Opportunity for history majors to develop independent research projects in particular fields under the guidance of members of the department. Meeting hours arranged by student and advisor and consist of at least thirty fifty-minute periods. The student is responsible for the plan of work, its development, and a final presentation in conformity with standards set by the advisor.

Prerequisite: Six hours of history.

sec. no. 1656/Time to be arranged

I.S. 1101 Introduction to Industrial Studies (2)

Analysis and discussion of the nature, content and implications of problems relating to further development of industrial education.

*sec. no. 1662/8:00-9:45 p.m.

I.S. 1200 Elements of Drafting (3)

Application of drafting room standards and experiences in the use of drafting instruments, lettering, pencil and ink line work, freehand sketching, and in the reproduction of drawings. Instruction includes geometric construction, orthographic projection, sections and conventions, working drawings, and graph and chart construction.

sec. no. 1664/Vos/7:00-8:55 a.m.

I.S. 1300 Elements of Woodworking (3)

Experience in hand joinery, wood finishing and basic machine operation. Instruction includes units on lumber selection and use, hardware selection, fastening devices and methods and essential care and maintenance of tools and machines.

sec. no. 1666/Van Nest/7:00-8:55 a.m.

I.S. 1400 Elements of Metalworking (3)

Introductory units in the areas of foundry, sheet metal fabrication, machine operation, forging and heat treating with emphasis placed on project design, effective laboratory practice and craftsmanship.

sec. no. 1668/Sladicka/9:15-11:20 a.m.

I.S. 1500 Elements of Electronics (3)

Technology of electronics through examination of its most basic concepts and fundamentals. Laboratory units allow the student to apply learnings, conduct quantitative measurements, gain experience in using electronic test instruments, and develop ability to write effective technical reports.

*sec. no. 1670/Cokewood/5:00-7:45 p.m.

I.S. 3471 Metalsmithing I (3)

Introduction to the development of hand wrought metal objects.

*sec. no. 1673/Endres/8:00-10:40 p.m.

I.S. 4102 Principles and Techniques of Teaching Industrial Arts Education (2)

Patterns of organization, class management, teaching methods and lesson planning are of primary concern. An opportunity to recognize and analyze the many problems of teaching industrial arts will be provided.

†sec. no. 1675/5:00-7:45 p.m.

I.S. 4103 Principles, Methods and Curriculum in Industrial Arts Education (2)

The study of accepted industrial arts curriculum and teaching practices used in the Public Schools of New Jersey.

‡sec. no. 1677/5:00-7:45 p.m.

I.S. 4106 Construction and Use of Audio-Visual Media (3)

Provides an awareness of the value of audio-visual materials and of the considerations involved in constructing such material. Emphasis is placed on the variety of material available for audio-visual purposes and of their application in instructional situations.

sec. no. 1679/Vos/10:15 a.m.-12:20 p.m.

I.S. 4181 Independent Study in Industrial Education (3)

Industrial Education majors given opportunity to develop independent projects or research studies in their field. Each student expected to initiate an independent program of study under the close supervision of a faculty member. Student is responsible for the plan of work, its accomplishment and suitable presentation at completion of course. Hours to be arranged by student and instructor; study shall involve a minimum of 75 clock hours of classroom and/or laboratory work. Enrollment is by permission of advising faculty member.

sec. no. 1681/by arrangement

I.S. 4182 Independent Study in Industrial Education II (3)

A continuation of I.S. 4181.

sec. no. 1682/by arrangement

I.S. 4183 The World of Construction (3)

Comprehensive study of construction methods and related careers including an analysis of the managed-personnel-production system of construction, a synthesis of housing construction practices, and a synthesis of city and regional planning practices.

sec. no. 1685/Van Nest/9:15-11:20 a.m.

I.S. 4184 The World of Manufacturing (3)

Comprehensive innovative study of manufacturing technology, divided into three sections: brief history and overview of major concepts, analysis of the manufacturing-personnel-production system and a synthesis of manufacturing practices as applied to the corporation. Geared to junior high school level teaching.

sec. no. 1688/Sladicka/7:00-8:55 a.m.

I.S. 4305 Cabinetmaking (3)

Joinery, finishing and machine production techniques related to cabinet construction including drawers and guide systems, framed panel construction, doors and the application of plastic laminates.

Prerequisite: I.S. 2301.

*sec. no. 1690/Peterson/5:00-7:40 p.m.

L.S. 2000 Introduction to School Library Service (3)

The role of the school library: growth and development as an integral part of the educational process; its current function as an instructional materials center with collections of both book and audio-visual materials. Leadership role of the librarian as an educator and the school librarian's achievement of this position.

†sec. no. 1696/12:00 noon-3:10 p.m.

L.S. 2010 Fundamentals of Cataloging and Classification (3)

Techniques in the organization of materials for ready use are presented with emphasis upon the Dewey Decimal System of Classification. Elementary instruction in the preparation of catalog cards, selection of subject headings, acquisition and use of printed catalog cards, and organization of the card catalog.

‡sec. no. 1698/12:00 noon-3:10 p.m.

L.S. 3000 Basic Reference and Bibliographical Services I (3)

Introduction and use of basic reference tools for the school library: encyclopedias, dictionaries, yearbooks, periodical indexing services, "ready" reference works, and other standard sources in the location of information.

†sec. no. 1700/12:00 noon-3:10 p.m.

L.S. 3010 Basic Reference and Bibliographical Services II (3)

A continuation of L.S. 3000 which is prerequisite. Specialized reference works and various types of reference materials in many subject areas are studied. National and trade bibliography, bibliographic method and control, and actual procedures in the construction of bibliographies.

‡sec. no. 1702/12:00 noon-3:10 p.m.

L.S. 4000 School Library Administration (3)

Organization of both the service and instructional functions of the school library, interrelating all aspects of the previous library science offerings into one structural whole. Special attention to budgetary procedures, technical processes, library program — including instruction in the use of the library, publicity and exhibit techniques, preparation of library reports, relationship with students, faculty and administration. Recent field experiences are used to guide the development of the above areas.

Prerequisite: L.S. 2000.

‡sec. no. 1704/8:30-11:50 a.m.

L.S. 4010 Book Selection for Children and Young People (3)

Techniques in selection and evaluation of children's and young people's literature. Major emphasis upon individual acquaintance with a broad cross-section of available materials through extensive critical reading. Practice in the art of story telling and presentation of book talks. Selection and evaluation of non-print media.

†sec. no. 1706/8:30-11:50 a.m.

Mgt. Sci. 2110 Quantitative Methods in Management Science (3)

An introductory course in those aspects of mathematics essential in management science. Includes sets, functions, matrix and vector algebra.

*sec. no. 1712/8:00-10:05 p.m.

Mgt. Sci. 2120 Business Statistics (3)

The methods used for the collection, presentation and analysis of business data, including sampling, the estimation of population parameters, index numbers, regression and correlation.

*sec. no. 1715/5:45-7:50 p.m.

Mgt. Sci. 2200 Principles of Accounting I (3)

An introduction to accounting concepts and principles involved in financial reports of proprietorships, partnerships and corporations including the techniques of debit and credit trial balances, adjustments and statements. Maximum of 25 students per section.

*sec. no. 1718/5:45-7:50 p.m.

sec. no. 1719/10:15-11:50 a.m.

Mgt. Sci. 3200 Principles of Accounting II (3)

Use of accounting data as an aid in formulating managerial decisions analysis and interpretation of financial statements; the nature, source and flow of funds and the preparation of fund statements; the safeguarding of assets and the checking of the accuracy and reliability of accounting data through the use of internal control systems; special problems in connection with the accounting for cash, payroll and sales tax, investments, fixed assets and liabilities; and the study of cost accounting.

Prerequisite: Mgt. Sci. 2200.

*sec. no. 1723/8:00-10:05 p.m.

sec. no. 1724/8:30-10:05 a.m.

Mgt. Sci. 3310 Management of Corporate Finance I (3)

The study of the principles and procedures of finance and their applications to typical financial problems. Financial analysis, capital budgeting, long-term financing, cost analysis and concepts of valuation from the viewpoint of the financial manager.

sec. no. 1727/12:00 noon-1:35 p.m.

Mgt. Sci. 3320 Preparation and Analysis of Financial Statements (3)

A study of the techniques applied in preparing, analyzing and interpreting the financial statements of industrial and commercial business enterprises. Published statements of business concerns will be discussed and analyzed. Course is designed for both accounting and non-accounting majors.

Prerequisites: Mgt. Sci. 3200 and 3310.

sec. no. 1730/10:15-11:50 a.m.

Mgt. Sci. 3350 International Business Finance (3)

Examines the circumstances under which a business firm operates and finances its activities in a multinational environment. Management, finance and investment problems peculiar to foreign operations. The political environment; investment and incentives for foreign expansion; the financial activities of the multinational corporation and the continuing evolution of this form of organization.

*sec. no. 1732/8:00-10:05 p.m.

Mgt. Sci. 3410 Marketing (3)

A general introduction to the field of marketing. Consumer goods and industrial goods, product development, channels of distribution, advertising and promotion, and pricing.

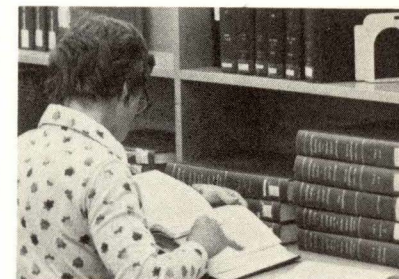
sec. no. 1734/10:15-11:50 a.m.

Mgt. Sci. 4010 Production Management (3)

Analysis of production operations in manufacturing and service operations. Production planning, systems and control introduced and related to such recent methodological developments as inventory forecasting, PERT/CPM, operations scheduling and queuing theory.

Prerequisites: Mgt. Sci. 2110 and 2120.

*sec. no. 1737/8:00-10:05 p.m.



Mathematics
see also
Computer Science

Math. 1011 Number Theory in Elementary Mathematics (3)

The study of the properties of prime numbers has intrigued professional as well as amateur mathematicians. Many of these ideas about prime numbers can be used in developing interest and creativity in elementary school mathematics. Other topics include: Figurate numbers, composite numbers, factorization methods, modular arithmetic, Euler's function. For non-mathematics majors.

sec. no. 1743/Levine/10:15-11:50 a.m.

Math. 1013 Finite Mathematics with Applications (3)

Sets, counting, probability, matrices, linear programming and theory of games. Practical applications of mathematics to the behavioral, managerial and life sciences are emphasized. For non-mathematics majors.

*sec. no. 1746/Krantz/8:00-10:05 p.m.

Math. 1014 Elementary Number Systems (3)

The postulates of the natural numbers, the integers, and the rational numbers. Elementary set operations and historical numeration systems. For non-mathematics majors.

sec. no. 1749/Levine/8:30-10:05 a.m.

Math. 1016 Statistics (3)

Graphic treatment of data; mean, median, mode; variance, standard deviation, and correlation. Non-parametric techniques such as chi-square and rho are included.

sec. no. 1752/Zoll/8:30-10:05 a.m.

Math. 1052 College Algebra and Trigonometry (3)

Systems of equations and inequalities are solved by the using of the axioms of the Real Number system, matrices and determinants, and elementary theory of equations; properties of the complex numbers, mathematical induction, and the Binomial Theorem. Algebraic, logarithmic, exponential and trigonometric functions with emphasis on trigonometric identities and trigonometric analysis.

Prerequisite: 3 years of secondary school mathematics.

sec. no. 1754/Zoll/10:15-11:50 a.m.

sec. no. 1755/Hothersall/5:45-7:50 p.m.

Math. 1053 Analytic Geometry (3)

Study of algebraic representations of points, lines and conic sections. Transformations, polar coordinates, parametric representations, solid analytic geometry.

Prerequisite: Math. 1052 or 3½ years of secondary school mathematics.

*sec. no. 1758/5:45-7:50 p.m.

Math. 2411 Calculus I (3)

The derivative and differential related to algebraic functions. The concepts of function, limits, continuity and the derivative sequences and their limits. Applications of the derivative includes the tangent and normal to the curve and the problems in maximum and minimum.

Prerequisite: Math. 2408 or equivalent or permission of the instructor.

*sec. no. 1772/Krantz/5:45-7:50 p.m.

Math. 2412 Calculus II (3)

Integration of algebraic functions, transcendental functions, trigonometric and logarithmic functions and application to areas enclosed by plane curves, lengths of curves, areas and volumes of solids of revolution.

Prerequisite: Math. 2411 or permission of instructor.

*sec. no. 1775/Hothersall/8:00-10:05 p.m.

Mus. 1000 Music Survey (3)

Understanding of music through study of music elements, forms, terms, styles, composers, and representative compositions in class, outside listening and music performance attendance.

No prerequisites.

sec. no. 1781/Grace/8:30-10:05 a.m.

*sec. no. 1782/Feldman/5:45-7:50 p.m.

Mus. 1050 Music Fundamentals (3)

Introduction to rudiments of music and notation. Developing understanding of the music language and facility in music reading and aural perception, through class and individual vocal and instrumental practice and written work. This course is designed as preparation for Mus. 2305, 2310, music education courses required of early childhood and elementary education majors.

sec. no. 1785/Price/10:15-11:50 a.m.

*sec. no. 1786/Dorsey/8:00-10:05 p.m.

Mus. 1102 Music Theory II (3)

Review of music fundamentals, notations and grammar, written and keyboard harmony, ear training, sight singing and dictation.

Prerequisite: Music major curriculum or department consent.

sec. no. 1790/Golub/8:30-10:05 a.m.

Mus. 2104 Music Theory IV (3)

Continuation of Mus. 1101-1102, including chromatic and post-functional harmony, possibly counterpoint and the beginning of original creative work.

Prerequisite: Mus. 1102 or equivalent.

sec. no. 1792/Huber/10:15-11:50 a.m.

Mus. 2310 Elementary School Music Education (2)

Music activities and materials for children in the elementary grades. Direct participation in singing and rhythmic activities, playing and reading music with simple melody instruments, use of the autoharp, rhythm instruments and recordings, use and evaluation of books and materials for music education of the elementary and grade school level.

Prerequisite: Mus. 1050 or permission of the instructor.

†sec. no. 1794/Brown/12:00 noon-2:10 p.m.

Mus. 3230 Music in the Romantic Era (3)

Study of the music style and characteristic forms with examples from a cross-section of major composers and works of the 19th century.

Prerequisite: Music major curriculum, Mus. 1000 or department consent.

sec. no. 1797/Golub/8:00-10:05 p.m. or by appointment/non-traditional

Mus. 3250 Jazz in American Culture; From Dixieland to Rock (3)

The development and influence of American Jazz from its beginnings in New Orleans to the present highlighting the musical styles of innovative vocalists and instrumentalists and their influence upon American culture.

*sec. no. 1799/Volpe/8:00-10:05 p.m.

Mus. 4400 Music for the Child in Special Education (3)

Use of music in learning other subjects, i.e., mathematics, English and speech and development of conceptual learning.

Prerequisite: Mus. 3410 or permission of instructor.

sec. no. 1801/Zimmer/8:30-10:05 a.m.

Mus. 4939 Elementary Classic Guitar Workshop (3)

Introductory course for those desiring to play the classic guitar. Study of the fundamental techniques used on this instrument. Class and individual instruction. Students will learn to read music. Must have nylon string guitar.

*sec. no. 1803/Varner/5:45-7:50 p.m.

Music

Philosophy | **Phil. 1040 Philosophy (3)**
 A general introduction to the ideas of great philosophers, major schools of thought, and basic issues. Among the topics considered are the meaning of philosophy, reality, knowledge, values and social philosophy.
 sec. no. 1809/8:30-10:05 a.m.
 *sec. no. 1810/8:00-10:05 p.m.
 *sec. no. 1811/Sitelman/8:00-10:05 p.m./non-traditional
 sec. no. 1812/10:15-11:50 a.m.

| **Phil. 2410 Philosophy of Religion (3)**
 The philosophical basis of the major Western religions. Attention is given to traditional proofs of God's existence, the problem of evil, the relation between science and religion, and the significance of contemporary Death-of-God theology.
 Prerequisite: 3 semester hours in philosophy or permission of instructor.
 sec. no. 1815/Fethe/12:00 noon-1:35 p.m.

| **Phil. 3220 Philosophy of Man (3)**
 A study of some of the modern and classical philosophical approaches to the nature of man: perception and intellection, free will and determinism; soul and mechanism; mind and body. An investigation into some of the philosophical foundations of modern theories of psychology.
 Prerequisite: 3 semester hours in philosophy.
 *sec. no. 1819/Pashman/8:00-10:05 p.m.

Religion | **Rel. 2010 Oriental Religions: Hinduism and Buddhism (3)**
 The history and thought of Hinduism and Buddhism; their role in the culture of India and East Asia.
 Prerequisite: 3 semester hours of philosophy.
 *sec. no. 1822/D'Souza/5:45-7:50 p.m./non-traditional

Physical Education | **P. Ed. 3605 Health and Physical Education in the Elementary School (3)**
 The principles, philosophy, objectives and specifics of practice in health and physical education for effective work with school children. Units of work on the various levels planned, yearly programs developed and activities applicable to all levels taught and analyzed.
 sec. no. 1828/Krueger, Errington/12:00 noon-1:35 p.m.
 *sec. no. 1829/Raksanyi, Resnick/5:45-7:50 p.m.

| **P. Ed. 3605 Physical Education in the Elementary School (1.5)**
 The principles, philosophy, objectives and specifics of practice in physical education for effective work with school children. Units of work on the various levels planned, yearly programs developed and activities applicable to all levels taught and analyzed.
 *sec. no. 1833/5:45-7:50 p.m.
 sec. no. 1834/12:00 noon-1:35 p.m.

| **P. Ed. 1088 Tennis I (1)**
 This course deals with the beginning tennis skills — namely the grip, the forehand and backhand drives, the service, the volley, and fundamentals of singles and doubles play.
 *sec. no. 1836/Errington/5:45-7:50 p.m.

| **P. Ed. 1089 Tennis II (1)**
 This course will review the skills of Tennis I and cover such skills as the lob, the smash, the chop, the slice, and tennis strategy for the singles and doubles game.
 Prerequisite: P. Ed. 1088 or permission of instructor.
 *sec. no. 1838/Errington/5:45-7:50 p.m.

Phys. 2091 General Physics I (4)
 A broad course designed to contribute to a quantitative understanding of the fundamental laws and principles of physics. Areas include mechanics, heat and sound. An understanding of the fundamentals of calculus is urged. No credit is granted without Phys. 2092.
 Prerequisite: Math. 1052-1053, its equivalent or permission of the instructor.
 *sec. no. 1844/Lab. 5:45-7:50 p.m., Lecture 8:00-10:05 p.m.

Phys. 2092 General Physics II (4)
 A continuation of Phys. 2091 which is prerequisite. Light, magnetism, electricity, and atomic physics.
 *sec. no. 1846/Lab. 8:00-10:05 p.m., Lecture 5:45-7:50 p.m.

Pol. Sci. 1010 Introduction to Political Science I: Elements of Politics (3)
 The concepts, terminology, problems and analytical approaches of the field of political science.
 sec. no. 1850/Ross/10:15-11:50 a.m.
 *sec. no. 1851/Kelly/8:00-10:05 p.m.

Pol. Sci. 2100 American Government and Politics (3)
 The basic political principles and patterns in the American tradition. A conceptual framework provides the base for examining the role of government, constitutionalism, federalism, civil rights, political processes and the changing relationships between the "levels" and "branches" of government.
 sec. no. 1855/Kahn/8:30-10:05 a.m.
 *sec. no. 1856/Shenis/5:45-7:50 p.m.

Pol. Sci. 3140 The American Presidency (3)
 In depth study of the presidency in terms of its institutional and behavioral aspects, with special emphasis on the exercise of the powers of the presidency.
 Prerequisites: Pol. Sci. 1010, 1020 and 2100 or permission of instructor.
 sec. no. 1860/Kahn/10:15-11:50 a.m.

Pol. Sci. 3250 American Political Theory (3)
 The central doctrinal developments in American political theory, from pre-revolutionary beginning to various contemporary positions. Important ideological positions, both orthodox and critical. The influence of theory on practice.
 Prerequisites: Pol. Sci. 1010 and 1020.
 sec. no. 1863/Ross/12:00 noon-1:35 p.m.

Pol. Sci. 3400 International Politics (3)
 The state system and the balance of power, war in the pattern of international relations, suggest its subject matter.
 Prerequisite: Six hours of political science or permission of instructor.
 *sec. no. 1866/Kelly/5:45-7:50 p.m.

Psy. 1000 General Psychology (3)
 An introduction to the study of human behavior and a foundation for later specialization in psychology. Perception and sensation, cognition, learning, motivation, intelligence, and personality.
 sec. no. 1872/10:15-11:50 a.m.
 sec. no. 1873/8:30-10:05 a.m.
 *sec. no. 1874/5:45-7:50 p.m.

Physics

Political Science

Psychology

Psy. 2100 Child Psychology (3)

The physical, intellectual, emotional, and social aspects of childhood, including individual differences, the behavior characteristics of various age levels, and the types and methods of adjustment.

Prerequisite: Psy. 1000.

sec. no. 1879/12:00 noon-1:35 p.m.

sec. no. 1880/10:15-11:50 a.m.

*sec. no. 1881/5:45-7:50 p.m.

Psy. 2110 Psychology of Adolescence (3)

An examination of the nature of adolescence, as characterized by the group of developmental problems (biological, psychological, and social in origin), typically occurring during the second decade of life.

Prerequisite: Psy. 1000.

sec. no. 1886/10:15-11:50 a.m.

sec. no. 1887/12:00 noon-1:35 p.m.

*sec. no. 1889/8:00-10:05 p.m.

*sec. no. 1890/5:45-7:50 p.m.

Psy. 3200 Psychological Statistics (3)

An introduction to the statistical procedures by which small and large groups of data are treated, described, and analyzed, including interpretations and assumptions of correlation, probability and hypothesis testing, and chi square.

Prerequisite: Psy. 1000.

*sec. no. 1895/8:00-10:05 p.m.

Psy. 3201 Psychological Statistics Survey (1)

Brief statistical survey covering topics in psychological statistics.

Prerequisites: Math. 1016 or equivalent and Psy. 1000.

†sec. no. 1897/Fraunfelker/6:25-7:50 p.m.

Psy. 3310 Theories of Learning (3)

Major theorists: Thorndike, Guthrie, Pavlov, Hull, Skinner, Lewin, Tolman are studied. Developments in stimulus sampling theory, mathematical models, physiological approaches, cognitive models and current applications are considered.

*sec. no. 1900/8:00-10:05 p.m.

*sec. no. 1901/5:45-7:50 p.m.

Psy. 3320 Theories of Personality (3)

The major systematized conceptualizations of personality: psychoanalytic and neopsychanalytic theories, personologies, typologies, trait theories, field theories, learning-based theories, factor theories, and phenomenological theories.

Prerequisite: Psy. 1000.

sec. no. 1905/12:00 noon-1:35 p.m.

*sec. no. 1906/5:45-7:50 p.m.

Psy. 3540 Abnormal Psychology (3)

Deviant and disordered behavior and experience, its overt manifestations and its underlying psychological, biological, and social meaning.

Prerequisite: Psy. 1000.

sec. no. 1910/8:30-10:05 a.m.

*sec. no. 1911/8:00-10:05 p.m.

Psy. 3530 Social Psychology (3)

The social influence on individual behavior and experience. How the thoughts, feelings, actions of individuals are influenced by the presence of other persons and by the complex social stimuli which surround them.

Prerequisite: Psy. 1000.

sec. no. 1916/8:30-10:05 a.m.

*sec. no. 1917/5:45-7:50 p.m.

Psy. 3650 Understanding Self and Others (3)

The implications of psychological theories and research for individual development and adjustment. Grading on pass/fail basis only.

Prerequisite: Psy. 1000.

sec. no. 1921/10:15-11:50 a.m.

Psy. 4200 Tests and Measurements (3)

An introduction to concepts of psychological testing and a survey of various instruments used in psychology to measure intelligence, aptitudes, achievement, attitudes and personality.

Prerequisite: Psy. 1000.

sec. no. 1924/12:00 noon-1:35 p.m.

Psy. 4360 Physiological Psychology (3)

The interactions and relationships between the nervous system, other body processes, and behavior: fundamentals of neuronal activity; the nervous system; traditional topics such as motivation, cerebral functions, organic psychopathology; current areas of research such as the activity of the single neuron, the reticular activating system, sleep and drug effects.

Prerequisite: Psy. 1000. Bio. 2402 recommended.

*sec. no. 1927/5:45-7:50 p.m.

Psy. 4970 Independent Study in Psychology (3)

Psychology majors in their senior year are given the opportunity to develop independent projects on appropriate topics under the guidance and supervision of a member of the department. Meeting hours arranged by the student and the advisor will consist of the equivalent of at least thirty fifty-minute periods. The student is responsible for the plan of work, its development, and a final presentation in conformity with standards set by the advisor.

sec. no. 1930/Time to be arranged.

Rec. 4500 Internship in Urban and Outdoor Recreation (5)

Extended experiences in practical application of recreational skills at a cooperating recreation or outdoor education agency. Students return to campus or an off-campus center for courses. A minimum of 175 hours of supervised experiences required.

Prerequisite: Permission of instructor.

sec. no. 1619/Benson/8:30-10:05 a.m. first day only

S.W. 2900 Introduction to Social Work (3)

An historical overview of the societal patterns of dealing with man's problems, from ancient to modern times, as reflections of changing values, institutions, and philosophies.

Prerequisite: Soc. 1100 or permission of instructor.

†sec. no. 1936/Metrey/8:30-11:50 a.m.

S.W. 3900 Contemporary Social Policy and Services (3)

Study of current social welfare programs in relation to the policies and provisions required to meet the various social needs of the people in this and other countries. Field observations of selected community helping programs. Students are encouraged to take both S.W. 2900 and S.W. 3900.

‡sec. no. 1939/Metrey/8:30-11:50 a.m.

S.W. 4990 Independent Study (3)

Focus is upon individual student's involvement in a project or readings which would provide unique learning opportunity for student who can proceed at his own pace in his or her educational growth.

Prerequisites: S.W. 3952, Soc. 2052 and permission of instructor and department chairperson.

sec. no. 1942/Time to be arranged

Recreation

Social Work

Soc. 1000 Principles of Sociology (3)

An analysis and application of the basic concepts and research methods of sociology. Culture, community, group behavior, institutions and society are treated.

sec. no. 1948/8:30-10:05 a.m.

sec. no. 1949/12:00 noon-1:35 p.m.

*sec. no. 1950/8:00-10:05 p.m.

*sec. no. 1951/5:45-7:50 p.m.

Soc. 2052 Methods of Social Research (3)

The collection, organization, analysis and reporting of problem-centered social data, including sampling, interview techniques, the construction of questionnaires and the conduct of surveys.

Prerequisite: Soc. 1000.

sec. no. 1956/8:30-10:05 a.m.

Soc. 2100 Sociology of the Family (3)

Analysis of sociological factors in marriage and the family in modern society, with cross-cultural comparisons.

Prerequisite: Soc. 1000.

*sec. no. 1958/8:00-10:05 p.m.

Soc. 2310 Sociology of Poverty (3)

An analysis of the social forces and conditions which operate and maintain poverty in the social structure. Discussion of various viewpoints concerning the nature and reduction of poverty.

Prerequisite: Soc. 1000.

sec. no. 1961/10:15-11:50 a.m.

Soc. 2710 Crime and Delinquency (3)

An analysis of crime and delinquency as a social phenomena. The relationship of crime and delinquency to various social institutions such as the economy, the family, the law.

Prerequisite: Soc. 1000.

Students who have taken Soc. 2705 Criminology or Soc. 2710 Juvenile Delinquency (former titles) cannot get credit for this course.

*sec. no. 1965/5:45-7:50 p.m.

Soc. 3150 Urban Sociology (3)

Urban patterns of living and interaction systems analyzed by means of sociological concepts and methods. A field-study project affords each student an opportunity to observe an aspect of urbanism at close range.

Prerequisite: Soc. 2052 or permission of department chairperson.

*sec. no. 1969/5:45-7:50 p.m.

Soc. 3060 Society and Self (3)

Analysis of the influence of social factors on the nature of self-attitudes, beliefs and values. Review of theory and research on the nature of the socialization process.

Prerequisite: Soc. 2052 or permission of department chairperson.

sec. no. 1972/10:15-11:50 a.m.

Soc. 4700 Sociology of Deviance (3)

Analysis of deviant behavior as a general characteristic of social systems. Critical review of various sociological theories concerning the nature and functions of deviance.

Prerequisite: Soc. 2052 or permission of department chairperson.

sec. no. 1974/12:00 noon-1:35 p.m.

Sp. 1101 Elementary Spanish I (3)

Designed to enable the student to achieve a ready comprehension of spoken Spanish, an ability to express himself in clear simple sentences, and considerable ease in reading Spanish. Credit given only upon completion of both semesters.

†sec. no. 1582/Edreira/8:30 a.m.-1:10 p.m.

Sp. 1102 Elementary Spanish II (3)

A continuation of Sp. 1101. Credit given only upon completion of both semesters.

‡sec. no. 1584/Aleman/8:30 a.m.-1:10 p.m.

Sp. 2101 Intermediate Spanish I (3)

Designed to expand the student's competence and fluency in speaking, understanding, reading and writing Spanish, and to acquaint the student with Spain and the Spanish way of life. Credit given only upon completion of both semesters.

Prerequisite: Sp. 1102 or permission of the instructor.

†sec. no. 1586/Portuondo/8:30 a.m.-1:10 p.m.

Sp. 2102 Intermediate Spanish II (3)

A continuation of Sp. 2101. Credit given only upon completion of both semesters.

Prerequisite: Sp. 1102 or permission of the instructor.

‡sec. no. 1588/Lipski/8:30 a.m.-1:10 p.m.

Sp. 3200 Masterpieces of Spanish Literature I (3)

Reading, interpretation and analysis of selected texts in Spanish literature, from medieval to modern times. Conducted in Spanish.

Prerequisite: Sp. 2102 or permission of the instructor.

†*sec. no. 1590/Socarras/5:45-10:05 p.m.

Sp. 3205 Masterpieces of Spanish Literature II (3)

Continuation of Sp. 3200.

Prerequisite: Sp. 2102 or permission of the instructor.

‡*sec. no. 1592/Feito/5:45-10:05 p.m.

Sp. 4500 Cervantes (3)

In-depth study and analysis of the literary techniques of Cervantes and of his most representative works. Course conducted in Spanish.

Prerequisite: Sp. 2102 or permission of the instructor.

sec. no. 1594/Rodriguez/10:15-11:50 a.m.

Sp. Ed. 2051 Introduction to Education of the Handicapped (3)

Early detection and proper care of all disabilities are considered in this course. Etiology, diagnosis and prognosis, different treatments and remedial procedures and their educational implications; basic educational procedures for the various disabilities. Visitations are made to observe programs for the mentally and physically handicapped.

†sec. no. 1980/Gens/8:30-11:50 a.m.

*sec. no. 1981/Howard/8:00-10:05 p.m.

sec. no. 1982/Edwards/8:30-10:05 a.m.

Sp. Ed. 2052 Introduction to Psychology of the Handicapped (3)

The psychology of all types of disabilities, mental and physical. The degrees of retardation, their causes and the concomitant disorders of behavior. The emotional and social adjustment of the physically handicapped. The psychological basis for appropriate education and care of all types of handicaps.

sec. no. 1985/Van Atta/10:15-11:50 a.m.

Sp. Ed. 2154 Introduction to Mental Retardation (3)

Emphasis placed on physical, emotional and social characteristics of the mentally retarded. Identification, diagnosis and treatment of the mentally retarded included. Each student expected to spend a minimum of 20 hours in observation and participation in a program for the mentally retarded.

Prerequisite: Sp. Ed. 2051.

sec. no. 1988/Van Atta/12:00 noon-1:35 p.m.

Sp. Ed. 2251 Speech Correction (3)

An orientation course for all classroom teachers and the basic course for speech and hearing majors. It presents an introduction to the field of speech pathology with emphasis on the recognition and treatment of speech disorders in school children.

sec. no. 1991/Gens/8:30-11:50 a.m.

Sp. Ed. 3153 Introduction to Curriculum Building for the Mentally Retarded (3)

The philosophy and principles of curriculum development and analysis of various approaches.

sec. no. 1993/Howard/5:45-7:50 p.m.

Sp. Ed. 3154 Introduction to Materials and Methods for Teaching Trainable and Educable Mentally Retarded (5)

Emphasis on the construction of programs which will adequately correlate skill subjects with the core of interest, emphasizing subject-time allotments, and subject spacing in programs for educable and trainable mentally retarded children. The evaluation and use of all records and methods of teaching the mentally retarded child. There is a minimum 40 hour visitation requirement in special education programs.

Prerequisites: Sp. Ed. 2051, 2052 and 2154.

sec. no. 1996/Spelkoman/8:30-11:10 a.m.

Sp. Ed. 4053 Orientation in Psychological Testing (3)

An overview of clinical tests. An introduction to the way tests are constructed and validated. Practice in the administration of a few tests under supervision to provide familiarity with the behavior of individuals, especially the mentally handicapped, in test situations.

sec. no. 1998/Wohlner/12:00 noon-1:35 p.m.

Sp. Ed. 4134 Student Teaching (8)

Experience in full time teaching in a public school under the guidance and direction of a cooperating teacher and a college supervisor. Location Woodbridge State School.

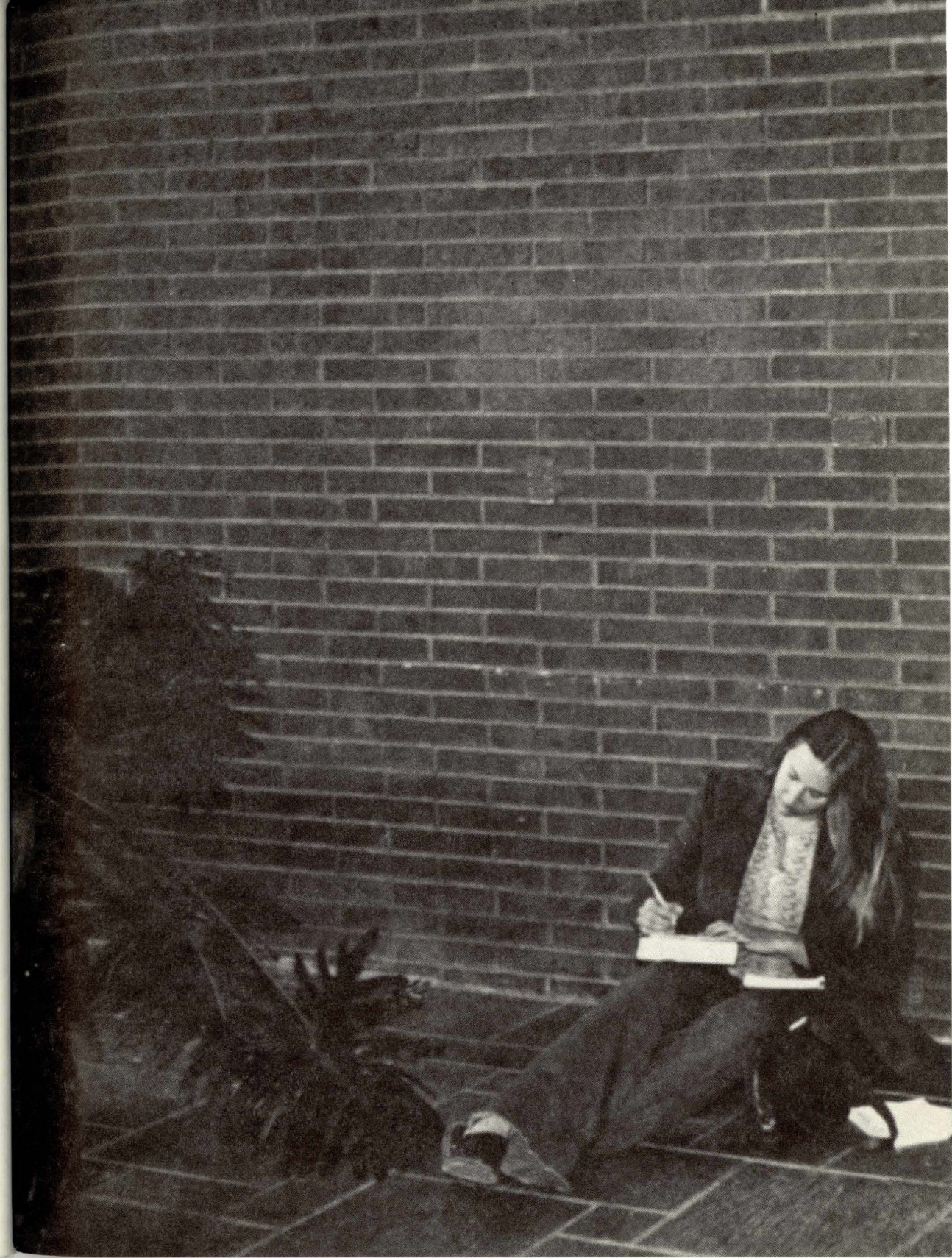
Prerequisites: Sp. Ed. 3153 and 3154 and permission of department.

sec. no. 2001/Bilowit/Time to be arranged

Sp. Ed. 4151 Introduction to Arts and Crafts for Mentally Retarded (3)

Meaningful and interesting manual activities for sequential skill development. Projects are with wood, leather, plastics, metal, ceramics, basketry, cardboard and weaving.

sec. no. 2003/Ferrazzara/10:15-11:50 a.m.



GRADUATE AND UNDERGRADUATE COURSES
AT BROOKDALE COMMUNITY COLLEGE
SUMMER SESSION JUNE 23-JULY 31

Classes meet Monday, Tuesday and Thursday evenings. Please check the class time in each course listing. The course listing reads as follows:

Course no. Title (sem. hrs.)
Description of course
Prerequisite:
sec. no./instructor/time

Graduate

E.P.S. 5117 Supervision of Instruction: Theory and Practice (3)

Overview of the development, purpose and organization of supervisory programs. Special emphasis on the theory and practice of educational leadership as it applies to current inservice educational problems.

sec. no. 4200/Parenti/8:00-10:05 p.m.

I.D. 5600 Seminar on New Jersey: Special Emphasis on the Bicentennial (3)

Examination of the content, methods and materials for teaching about New Jersey. Multi-disciplinary contemporary topics will be treated with special emphasis on the significance for the Bicentennial.

sec. no. 4202/Resnick/5:45-7:50 p.m.

Undergraduate

Hist. 3340 20th Century America (3)

An examination of the major economic, social, political and diplomatic trends in the 20th century with emphasis on the quest for social justice at home and abroad.

Prerequisite: Six hours of history.
sec. no. 4208/8:00-10:05 p.m.

Pub. Adm. 1000 Introduction to Public Administration (3)

An introduction to the processes of administration with emphasis upon policy making in the national and state political systems and roles of groups and their impact upon administrative decision-making.

Prerequisite: 6 hours of political science or permission of instructor.
sec. no. 4210/5:45-7:50 p.m.

Psy. 3320 Theories of Personality (3)

The major systematized conceptualizations of personality; psychoanalytic and neopsychoanalytic theories, personologies, typologies, trait theories, field theories, learning-based theories, factor theories and phenomenological theories.

Prerequisites: Psy. 1000.
sec. no. 4212/5:45-7:50 p.m.

GRADUATE AND UNDERGRADUATE COURSES AT NEPTUNE
SUMMER SESSION JUNE 23-JULY 31

Classes meet Monday, Tuesday and Thursday evenings. Please check the class time in each course listing. The course listing reads as follows:

Course no. Title (sem. hrs.)
Description of course
Prerequisite:
sec. no./instructor/time

C.S. 4401 The Linguistic Approach to the Teaching of Reading (3)

Designed to develop an understanding of reading as part of the total language spectrum, and as an information-seeking process. Attention focused on the application of psycholinguistic theory to reading instruction and materials.

Prerequisite: C.S. 3400.
sec. no. 4100/5:45-7:50 p.m.

C.S. 4402 Reading Disabilities (3)

Adaptation to individual needs is stressed. Attention is focused on the neurological, physical, mental and emotional aspects which may impede learning. Reading problems of individual children are diagnosed and remediated.

Prerequisite: C.S. 4400.
sec. no. 4103/8:00-10:05 p.m.

E.C. 3100 Children's Literature in Early Childhood Education (2)

The different techniques and merits of story-telling put into practice with groups of children. Students learn to evaluate suitability of literature for various age levels. They become familiar with good contemporary authors and illustrators of children's books as well as the historical development of the literature for young children.

sec. no. 4106/6:30-7:50 p.m.

E.A.S. 3100 Elementary Curriculum and Methodology (3)

Elementary school objectives, practices, curriculum patterns and planning techniques. Kean College elementary education majors should see E.A.S. department advisor before registration.

sec. no. 4110/Corrie/8:00-10:05 p.m.

E.A.S. 3120 Mathematics in the Elementary School (3)

Inquiry into the nature of mathematics and its implications for teaching, the use of visual materials in teaching, learning theories as they pertain to mathematics education and current elementary school mathematics programs.

sec. no. 4113/Ajose/5:45-7:50 p.m.

E.A.S. 3130 Science in the Elementary School (3)

A study of science content and teaching methodology including student planning, development and presentation of instructional methods and media. Kean College elementary education majors should see E.A.S. department advisor before registration.

sec. no. 4116/8:00-10:05 p.m.

E.A.S. 4140 Social Studies in the Elementary School (3)

Study of the objectives of elementary school social science, planning techniques, teaching materials, innovative programs and evaluation, emphasizing the interdisciplinary approach.

sec. no. 4119/Corrie/5:45-7:50 p.m.

E.P.S. 4020 Philosophy and Education (3)

Analysis of current views on aims and processes of education. Students encouraged to formulate their own rational view of these aims and the educational practices consistent with them. Attention given to earlier insights most related to the present and possible future situation of education. Essence of course is dialogue.

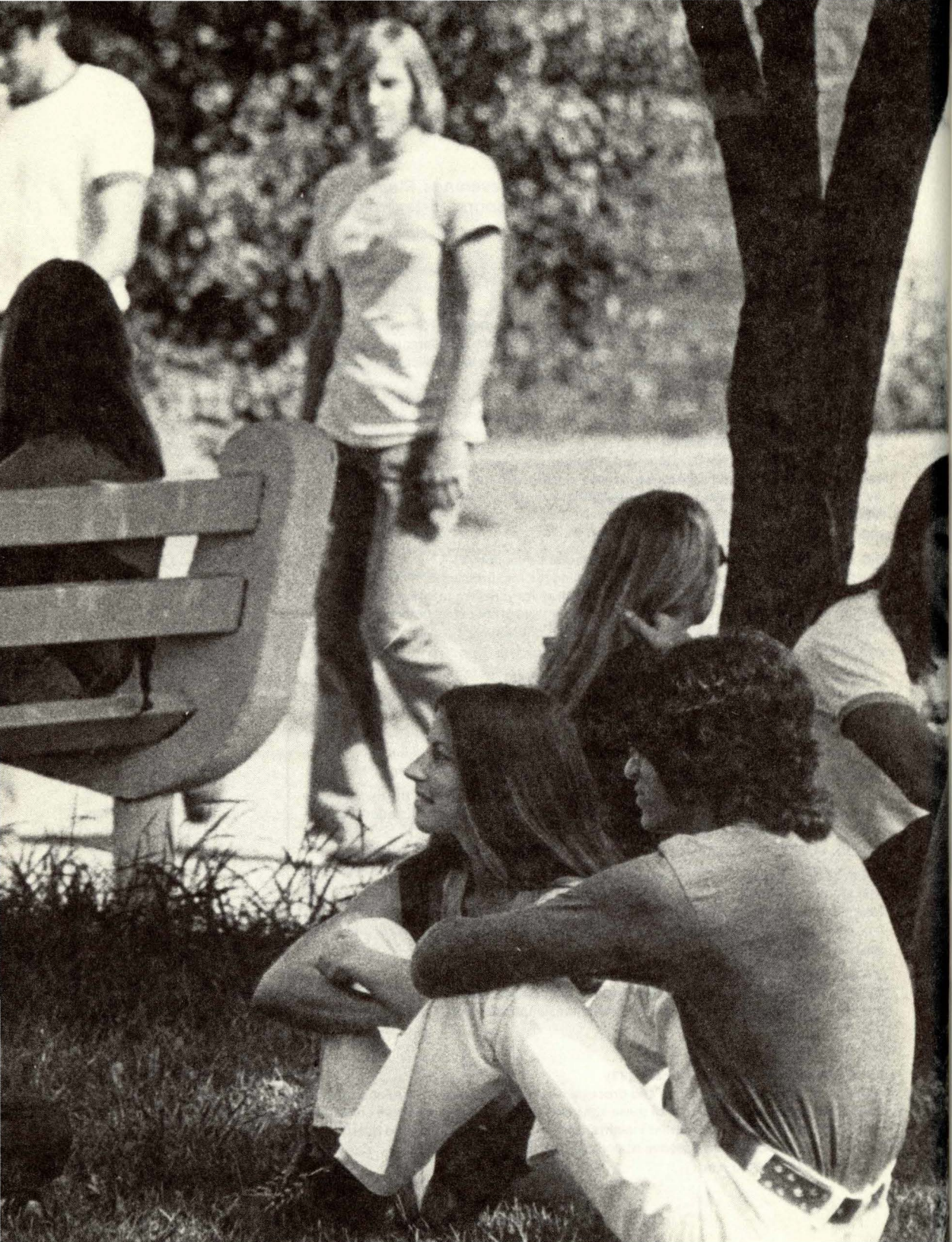
sec. no. 4122/5:45-7:50 p.m.

Communication Sciences

Early Childhood Education

Educational Arts and Systems

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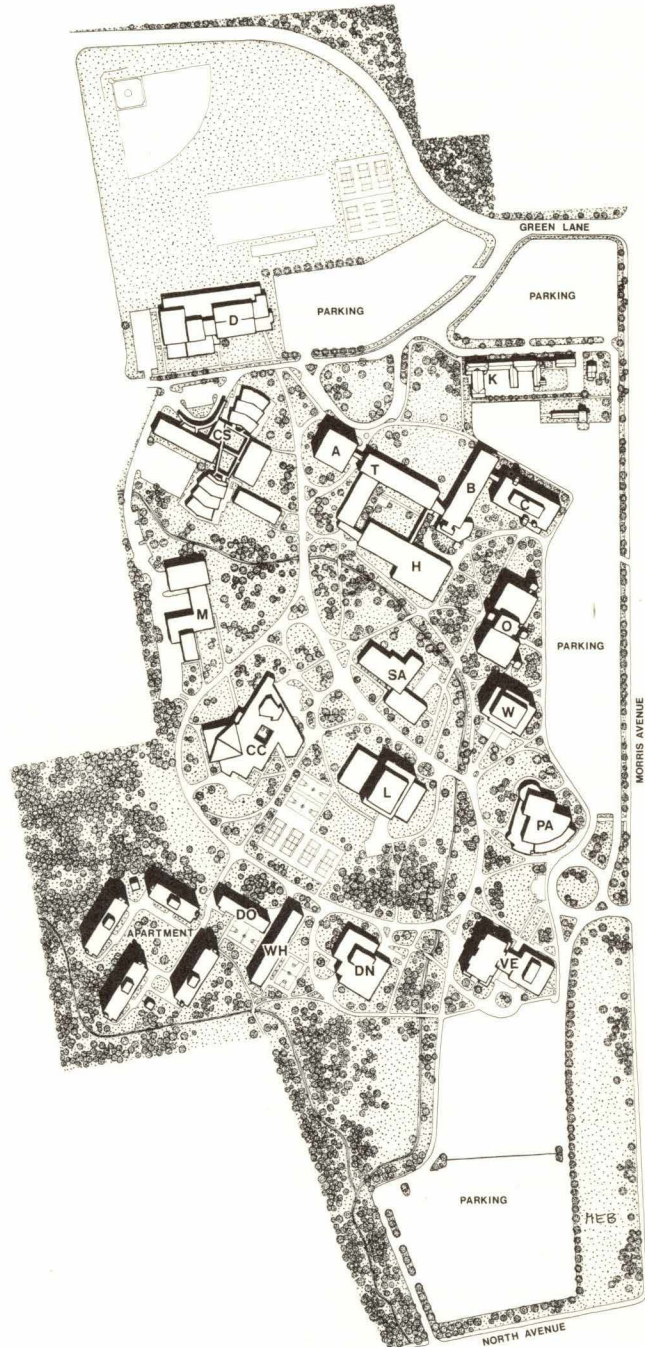
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- A Administration Building
- B Bruce Hall
- B Science Building
- D D'Angola Gymnasium
- H Industrial Studies
- K Kean Buildings
- L Nancy Thompson Library
- M Maintenance Warehouse
- O Academic Building
- T Townsend Hall
- W Willis Hall
- AE Student Apartments East
- AN Student Apartments North
- AS Student Apartments South
- AW Student Apartments West
- CC College Center
- DN Downs Halls
- DO Dougall Hall
- PA Theater for the Performing Arts
- SA Student Activities
- SE Campus School East
- SI Child Study Institute
- SN Campus School North
- SS Campus School South
- SW Campus School West
- VE Lenore Vaughn-Eames Hall
- WH Whiteman Hall



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A — EASTBOUND: Drive under Parkway, turn right onto Route 82 East. Continue toward Elizabeth. Campus is within 2 miles.

B — WESTBOUND: Drive under Parkway, keep right and follow signs to Elizabeth. Turn right on Morris Avenue.

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C — NORTHBOUND: Leave Parkway at Exit 140 onto Route 22 East. Turn right onto Route 82 East.

D — SOUTHBOUND: Leave Parkway at Exit 140-A onto Route 22 West. Turn right onto Route 82 East.

From US ROUTES 1-9:

E — NORTHBOUND: Enter Elizabeth and turn left through traffic circle onto Route 439 West (Elmora Avenue). Continue to Morris Avenue (Route 82). Campus is on the left.

F — SOUTHBOUND: Enter Elizabeth. Follow signs to North Avenue. Turn right onto North Avenue (Route 439) and continue to Route 82 (Morris Avenue). Turn right. Campus is on left.

From NEW JERSEY TURNPIKE:

G — NORTHBOUND: Leave Turnpike at Exit 11 for Garden State Parkway, North. Leave Parkway at Exit 140 onto Route 22 East. Turn right onto Route 82 East.

H — SOUTHBOUND: Leave Turnpike at Exit 14 for Route 1-9, South. Enter Elizabeth. Follow signs to North Avenue. Turn right onto North Avenue (Route 439) and continue to Route 82 (Morris Avenue). Turn right. Campus is on left.

By TRAIN:

The PENN-CENTRAL STATION at Elizabeth is 2 miles from Campus by bus or taxi.

By BUS:

PUBLIC SERVICE #8 between Elizabeth and Springfield passes the Campus on Morris Avenue.

ELIZABETH-Union-Hillside-Irvington #6 between Elizabeth and Irvington Center passes the campus on Morris Avenue.

SOMERSET BUS CO. #143 between Plainfield and Times Square, New York stops at Salem Road and Morris Avenue.



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