Trenton State College is an affirmative-action, equal-opportunity institution. As such, it is dedicated to equality of opportunity for all persons in all of its operations.

The college has in effect an Affirmative Action Program and a Title IX Policy which define its commitment to nondiscrimination and equal opportunity in employment, admissions and all other aspects of the college function. Inquiries regarding compliance with Title IX or affirmative action statutes may be directed to the Affirmative Action Officer and Title IX Coordinator, Office of Administrative Services.

College policy is that “no otherwise qualified handicapped individual shall, solely by reason of handicap, be excluded from participation, be denied benefits of, or be subject to discrimination” under any of its programs or activities.

Inquiries regarding compliance with Section 504 of the Rehabilitation Act of 1973 may be directed to the Director, Office of Special Services.

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Volume 51  February 1982  Number 2
WE’RE GLAD TO HAVE YOU AT TRENTON STATE COLLEGE FOR THE SUMMER WE’RE SURE YOU’LL LIKE OUR—

• flexible schedule
• guaranteed courses
• easy access to Philadelphia and New York

We are a fully-accredited, multipurpose institution, offering comprehensive graduate and undergraduate programs.

Our wooded suburban campus is a short distance from Philadelphia and New York. You can take advantage of the area's many cultural and educational opportunities.

We are accredited by the Middle States Association of Colleges and Secondary Schools. Our students are among the best in the state.
Registering for summer classes is easier than you think!

1. Choose your classes (course descriptions begin on p. 10).
2. Check your schedule for possible time conflicts (See p. 72).
3. Check admission and registration requirements (See p. 33 for graduate courses, p. 5 for for undergraduate courses).
4. Fill out the forms (on the back cover and registration form).
5. Either mail these forms to: The Division of Continuing and Adult Education
   Trenton State College
   Hillwood Lakes CN 550
   Trenton, NJ 08625
   or: bring them to the Division of Continuing and Adult Education
   10 Green Hall
   Trenton State College Campus
   Mon.-Thurs. 8:30 a.m. to 8:30 p.m.
   Fri. 8:30 a.m. to 4:30 p.m.
(For in-person registration dates and times, see p. 6).

We offer a flexible schedule of summer sessions to meet your varying needs.

Trenton State College promises that all guaranteed credit courses will be offered.
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ELIGIBILITY

Undergraduate enrollment in the summer session is open to:

1. college graduates;
2. students who are attending Trenton State College or other colleges and universities in good academic standing*;
3. high school students who will be seniors in September 1982;
4. high school graduates; and
5. holders of high school equivalency certificates.

Please note: actual equivalency certificate must be presented. For information concerning high school equivalency certificates contact the Office of Continuing and Adult Education at (609) 771-2255.

*Anyone who has been dismissed or suspended from another collegiate institution within one calendar year of the beginning of summer session is ineligible to enroll in summer session.

UNDERGRADUATE ADMISSION PROCEDURES

STUDENTS NOT INTENDING TO ENROLL IN A DEGREE PROGRAM AT TRENTON STATE COLLEGE:

1. Complete the Application for Undergraduate Admission (Form B on inside back cover).
2. With the application, submit either a transcript from the last school or college attended, or letter verifying good standing and granting permission to enroll at Trenton State College.

STUDENTS INTENDING TO ENROLL IN A DEGREE PROGRAM AT TRENTON STATE COLLEGE:

1. New students should complete enrollment procedure as stated above. Please note: New students can be admitted to a degree program in September and January only; however, credits earned during the summer can be applied toward a degree.
2. High school seniors may also take credit courses which are applicable toward a degree at Trenton State College but must meet the following requirements:
   a. complete 3 years of secondary school with a "B" or higher scholastic average;
   b. submit a letter of recommendation and formal transcript from their high school guidance office; and
   c. complete the Application for Undergraduate Admission (Form B on inside back cover).
UNDERGRADUATE REGISTRATION PROCEDURES

Registration for courses may be accomplished by mail or in person. Payment for all tuition and fees is required at the time of registration.

TO REGISTER BY MAIL Between April 12 and May 21. Please note: mail registration cannot be accepted beyond the postmark date of May 21.

1. Complete forms A and C; and B if not previously enrolled at Trenton State College.
2. Detach forms.
3. Enclose check or money order (payable to Trenton State College) with the forms and mail to:
   Division of Continuing and Adult Education
   Trenton State College
   Hillwood Lakes CN 550
   Trenton, NJ 08625
Allow us a week to process your materials. We will then send you your confirmed schedule.

TO REGISTER IN PERSON Between May 24 and the deadline for the desired session.

1. Complete forms A, C, and B if not previously enrolled at Trenton State College.
2. Detach forms.
3. Bring the completed forms and your check or money order (payable to Trenton State College) to:
   Division of Continuing and Adult Education
   Room 10—Green Hall
   Trenton State College
   Between the hours of 8:30-3:00 (Monday-Wednesday) and 12:30-8:30 (Thursday).

UNDERGRADUATE REGISTRATION DEADLINES

READ CAREFULLY THE REGISTRATION DEADLINES BELOW. Final Registration Dates Vary According to Specified Schedules. No Registrations Can Be Accepted After the Deadlines Stated.

MAIL REGISTRATION
   April 12-May 21

IN-PERSON REGISTRATION BEGINS
   May 24

For classes beginning on
   June 7
   May 24-June 3
   June 7
In-person registration.
Late registration ($15 late registration fee)

For classes beginning on
   June 21
   May 24-June 17
   June 21, 22, 23
In-person registration.
Late registration ($15 late registration fee)
For classes beginning on June 28
May 24-June 24  In-person registration.
June 28, 29    Late registration ($15 late registration fee)

For classes beginning on August 2
May 24-July 29  In-person registration.
August 2        Late registration ($15 late registration fee)

Final day for registering for Independent Study is June 28.
Final day for registering for Co-Op is July 22.

SUMMER CO-OPPORTUNITY

Salaries & Credits through Cooperative Education

Cooperative Education is a program that integrates the Trenton State College students' classroom study with on-the-job work experience. Co-op students work for employers in approved career-oriented positions that relate directly to their major or minor fields of study. Students can earn either 6 academic credits for full-time employment (at least 30 hours of work per week) or 3 credits for part-time employment (at least 15 hours of work a week). Over 90 percent of all co-op positions are paying jobs.

What does co-op offer a student?
• earn a salary
• earn up to 6 credits per summer
• gain professional work experience
• apply classroom learning to practical job situations
• develop contacts in your field
• focus on career goals
• experiment with career possibilities

How much money do co-op students earn?
TSC co-ops collectively earn over ONE MILLION dollars each year. On the average, they gross over $160 per week. About 94 percent of Trenton State co-op students work in paying jobs. The remaining 6 percent choose to co-op with community service organizations in volunteer positions. The only fee required for co-op is the standard college registration fee for 3 or 6 academic credits.

Who is eligible to co-op?
To be eligible for a co-op job, a Trenton State student should:
• have completed two semesters of course work before a co-op job starts (at least 24-32 credits, including credits transferred from another college);
• be matriculated and in good academic standing at Trenton State.

How do students get started?
Stop by the Cooperative Education Center, 122 Green Hall, telephone the center at 609-771-2161 or talk with the faculty coordinator listed in your major or minor academic department (see departmental course listings for faculty names).
385/Cooperative Education 3, 6 credits
Introductory experience in cooperative education. Job is likely to be an entry-level position of employment. Taken only with permission of faculty coordinator. Taken from general electives. This level may be taken for a total of six semester hours.

399/Cooperative Education 3, 6 credits
A second co-op assignment with the following alternatives: a different employer, expanded application, higher-level position, or increased responsibilities. Taken only with permission of faculty coordinator. Taken from general electives. This level may be taken for a total of six semester hours.

480/Cooperative Education 3, 6 credits
Specifically oriented to the academic major with recognition of career objectives. Taken only with permission of faculty coordinator. Credit applied to major. This level may be taken for a total of six semester hours.

For additional information about co-op, contact the Cooperative Education Center, Trenton State College, Hillwood Lakes CN 550, Trenton, New Jersey 08625, 609-771-2161.
African-American Studies

AAS 105/African-American History 3 cr.
Before 1865
(3 class hours)
A survey of the history of Black Americans from ancient African beginnings to the Civil War. The reasons for and results of slavery are judiciously examined. Fulfills distribution requirements in Group B.
6/21-7/30 MTR 1700-1915
HH124 Instructor: Chukumba
Class #5001

AAS 385/Cooperative 3,6 cr.
Education in African-American Studies

AAS 399/Cooperative 3,6 cr.
Education in African-American Studies

AAS 480/Cooperative
Education in African-American Studies
See COOPERATIVE EDUCATION for description, p. 07

AAS 499/Independent Variable Credit
Study in African-American Studies
Research and/or work experience in Black community under the supervision of faculty member in department of African-American studies.
Hours: TBA
Class # AAS 499A 5005
Class # AAS 499B 5007
Class # AAS 499C 5009
Class # AAS 499D 5011
Class # AAS 499E 5013
Class # AAS 499F 5015
Coordinator: Dickinson

ART

NOTE: Art history courses may require field trips at student expense.

ART 101/Foundations of Art 3 cr.
(75 minutes lecture, 100 minutes studio)
Personal and social meanings of art and their expression through technique, composition and subject. Art processes, principles of design and interpretations of symbols of art investigated through illustrated lectures, alternating with studio work in a variety of materials.
6/28-7/30 MTR 0800-1040
HH374 Instructor: Rigby
Class #5017

ART 105/Introduction to Art History 3 cr.
(3 class hours)
A survey of the history of Western art. Serves as a framework for all other art history offerings and makes the student aware of the sequence of cultural periods.
6/28-7/30 MTR 1340-1620
HH264 Instructor: Lehman
Class #5021

ART 111/Drawing 2 cr.
(1 class hour and 3 studio hours)
Prerequisite: A previous studio course in art
Drawing from observation, memory and invention; study of natural forms, light, perspective, color, gesture, grouping. Experience with the quick, indicative sketch and the definitive study of structures.
6/28-7/30 MTR 0800-1040
HH446 Instructor: Phelan
Class #5023

ART 201/Printmaking 2 cr.
(1 class hour and 3 studio hours)
Prerequisite: A previous studio course in art
Printmaking through print production, making of etchings, aquatints, engravings, dry point etchings and collage prints. Emphasis on exploring experimental contemporary developments of these techniques.
6/28-7/30 MTR 1645-1925
HH434 Instructor: Brooks
Class #5025

ART 211/Painting 2 cr.
(1 class hour and 3 studio hours)
Prerequisite: A previous studio course in art
An introduction to the concepts and techniques of painting through the exploration of major styles. Emphasis on establishing a foundation for the development of a personal visual language.
6/28-7/30 MTR 1045-1325
HH446 Instructor: Goldstein
Class #5027

ART 301/Advanced Printmaking 3 cr.
(1 class hour, 3 studio hours, 2 hours by arrangement)
Prerequisite: ART 201 or permission of instructor
During alternate semesters, specialization
in one printmaking media: lithography, silk screen, intaglio printing, relief printing, collography, etc. Emphasis on exploring an experimental contemporary application of these techniques. May be repeated.

6/28-7/30 MTR 1645-1925
HH434 Instructor: Brooks
Class #5029

ART 311/Advanced Drawing 3 cr.
(1 class hour, 3 studio hours, 2 hours by arrangement)
Prerequisite: ART 111 or permission of instructor
Continuation of ART 111 with more advanced work; drawing as a means of personal expression. Intensified perception of the physical environment and the figure leading towards imaginative and inventive visual statements. May be repeated.

6/28-7/30 MTR 0800-1040
HH446 Instructor: Phelan
Class #5031

ART 312/Advanced Painting 3 cr.
(1 class hour, 3 studio hours, 2 hours by arrangement)
Prerequisite: ART 211 or permission of instructor
Continuation of ART 211, with advanced original work investigating the sources of inspiration that artists use to conceptualize a painting. Emphasis will be placed on the development of individual, technical and stylistic directions.

6/28-7/30 MTR 1045-1325
HH446 Instructor: Goldstein
Class #5033

ART 360/Introduction to Advertising Design 3 cr.
(1 class hour, 3 studio hours, 2 hours by arrangement)
Prerequisites: ART 111, ART 116
Introduction to using equipment, materials and techniques appropriate to advertising media. Working methods of designers. Function and format of visual advertising and publicity. Requirements, problems and opportunities of advertising design career.

6/28-7/30 MTR 1045-1325
HH439 Instructor: Kern
Class #5035

ART 361/Lettering and Typography 3 cr.
(1 class hour, 3 studio hours, 2 hours by arrangement)
Prerequisite: ART 116
A study of letter forms and spacing. The development of skill in rendering letter forms in a variety of materials, for a variety of applications. An introduction to styles of type.

6/28-7/30 MTR 1340-1620
HH439 Instructor: Phelan
Class #5037

ART 385/Cooperative Education in Art I 3,6 cr.
ART 399/Cooperative Education in Art II 3,6 cr.
ART 480/Cooperative Education in Art III (See COOPERATIVE EDUCATION for description.) 3,6 cr.

ART 499/Independent Study variable cr.
Prerequisites: Enrollment in the upper division of art major, three courses in the area of study with a B+ average in these courses.
Preregistration with approval of an art faculty sponsor and of department chairperson.
Individual, self-guided course of work and study for the advanced student under the supervision of a faculty committee. Opportunity to develop personal interests and strength within the major field. May be repeated.
Hours: TBA
Class # ART 499A 5039
Class # ART 499B 5041
Class # ART 499C 5043
Class # ART 499D 5045
Class # ART 499E 5047
Class # ART 499F 5049
Coordinator: Goldstein

Astronomy
(Physics Department)

AST 161/Descriptive Astronomy 3 cr.
(3 class hours)
Study of celestial bodies. Topics: earth and its motions, celestial sphere, moon, sun, planets, comets, meteors, stars, galaxies, cosmology, time, calendar. Evening observations with telescopes and planetarium demonstrations included.

6/28-7/29 MTR 0800-1040
CH114 Instructor: Hiack
Class #5051
6/28-7/29 MTR 1935-2215
CH114 Instructor: Pfeiffer
Class #5053

Biology

BIO 181-182/Principles of Biology I and II 3,3 cr.
(2 class hours and 2 laboratory hours)
Restriction: Not to be taken by biology majors without permission from the chairperson of the biology department.
Major principles of biology as they relate to man. The evolution of man from vertebrates in general and primates in particu-
lar; topics in birth control, human embryology, human genetics and human ecology.

**Biology I**
6/21-7/16
CH 103
Class #5063

**Biology II**
7/19-8/13
CH 103
Class #5065

**BIO 183-184/General Biology 4,4 cr. I and II**
(3 class hours and 3 laboratory hours)
For biology majors. Fundamentals of cellular and subcellular structures, tissues, genetics, metabolism, and organismal biology; morphology and physiological function in plants and animals.

**General Biology I**
6/21-7/16
NU 111
Class #5067

**General Biology II**
7/19-8/13
NU 111
Class #5069

**BIO 312/Microbiology 4 cr.**
(3 class hours and 2 laboratory hours)
Prerequisite: BIO 183-184
Fundamental concepts in microbiology and the relationship of microorganisms to disease, epidemiology, and the balance of nature. Laboratory emphasis: the physiology of bacteria preparation and use of selective and differential media and related methodology.
6/7-7/30
NU 111
Class #5071

**BIO 443/Introduction to Freshwater 1 cr. Algae**
(25 laboratory hours)
Prerequisite: BIO 183-184 or BIO 181-182 or permission of instructor
A field and laboratory course (no lecture). Sampling of freshwater algae; flora of lakes, ponds, rivers and streams in the vicinity of the laboratory.
7/30-8/1
NU 111
Class #5079

**BIO 461/Coastal Plain Ecology 1 cr.**
(5 class hours and 20 laboratory hours)
Prerequisite: BIO 261 or equivalent
Acquaints students with the ecology of one of the major land areas of New Jersey. Predominantly field studies, but lecture and student seminars will also be employed to investigate pine barrens, cedar swamp and saltmarsh environments.
6/11-6/13
Preliminary Meeting:
CH 215
Class #5081
Instructor: Heck
8/6-8/8
Preliminary Meeting:
CH 215
Class #5083
Instructor: Heck

**BIO 462/Ecology of New Jersey's Highlands 1 cr.**
(5 class hours and 20 laboratory hours)
Prerequisite: BIO 261 or equivalent
A study of one of the oldest land areas of New Jersey. Emphasis is placed on field investigations of the ecology of the valleys and ridges of Appalachian New Jersey.
*Field trips may be required at student's expense.
6/25-6/27
Preliminary Meeting:
CH 215
6/21, 1900
Class #5085
Instructor: Heck

**BIO 385/Cooperative Education in Biology I**
3,6 cr.

**BIO 399/Cooperative Education in Biology II**
3,6 cr.

**BIO 480/Cooperative Education in Biology III**
(See COOPERATIVE EDUCATION for description, p. 7.)

**BIO 499/Independent Study variable cr. in Biology**
Prerequisite: Approval of the chairperson
Student pursues an original research project under the direction of a supervising professor.
Hours: TBA
Class # BIO 499A 5089
Class # BIO 499B 5091
Class # BIO 499C 5093
Coordinator: Kayne

For information about the Marine Sciences Consortium, see Special Programs.

**Chemistry**

**CHM 201-202/General Chemistry I and II**
(3 class hours and 3 laboratory hours each semester)
Laws and theories of matter in its various states. Atomic and molecular structure from quantum and orbital interpretations. Kinetics and equilibrium. Periodicity and properties. Quantitative experiments coordinated with lectures. A working knowledge of elementary algebra is assumed.

**Chemistry I**
6/14
NU 110
Instructor: Goodkin

**Chemistry II**
7/8
NU 110
Instructor: Goodkin
CHM 350/Fundamentals of Organic Chemistry (3 cr.)
(3 class hours)
Restriction: Not applicable to chemistry major.
Prerequisite: CHM 202
A study of the homologous series of organic compounds with special emphasis on biological applications.
6/7 -6/18 MTWRF 1530-2130
NU 108 Instructor: Goodkin
Class #5173

CHM 351-352/Organic Chemistry I and II (3 cr.)
(3 class hours and 4 laboratory hours each semester)
Restriction: Required for chemistry majors.
Prerequisite: CHM 202
The fundamentals of organic chemistry with emphasis on reaction mechanisms. Theory and descriptive material on aliphatic, alicyclic, aromatic and heterocyclic compounds.

Organic Chemistry I
6/7 -7/9 MTWRF 0900-1255
CH102 Instructor: Adler
Class #5175

Organic Chemistry II
7/12-8/13 MTWRF 0900-1255
CH102 Instructor: Nechamkin
Class #5177

CHM 370/Fundamentals of Chemical Instrumentation (3 cr.)
(1 class hour and 4 laboratory hours)
Prerequisites: CHM 352 or 354
Restriction: Not applicable to chemistry major. A laboratory course emphasizing the use and application of specialized chemical instruments.
6/7-6/25 MTWRF 1730-2155
CH 139 Instructor: Aagaard
Class #5179

CHM 385/Cooperative Education in Chemistry I (3 cr.)

CHM 390/Cooperative Education in Chemistry II (3 cr.)

CHM 480/Cooperative Education in Chemistry III (3 cr.)
(See COOPERATIVE EDUCATION for description, p. 7).

CHM 499/Independent Study in Chemistry (3 to 6 cr.)
(hours to be arranged)
Designed for senior students who are majoring in chemistry. Individual research problems are pursued under the guidance of faculty. Chemistry minors may take three semester hours of this course by approval of the chemistry department chairperson. (May be repeated for credit by approval of department chairperson.)
Hours: TBA
Class # CHM 499A 5181
Class # CHM 499B 5183
Class # CHM 499C 5185
Class # CHM 499D 5187
Class # CHM 499E 5189
Class # CHM 499F 5191
Coordinator: Dumas

Criminal Justice

CRJ 310/Juvenile Delinquency (3 cr.)
(3 class hours)
6/21 -7/30 MTR 1030-1245
BL 234 Instructor: Murrell
Class #5195

CRJ 425/Internship in Criminal Justice (4 cr.)
By arrangement. May be repeated for credit.
Hours: TBA
Class #5201
Coordinator: Nittoli

CRJ 435/Criminal Justice Research and Planning (3 cr.)
Prerequisite: CRJ 100
Principles of research and planning in criminal justice. Analysis of the various methods of data collection. Comparative analysis of manual and computer systems for the interpretation and evaluation of criminal justice data.
6/28-7/30 MTR 0800-1040
BL 233 Instructor: Fenwick
Class #5203

CRJ 491/Tops in Criminal Justice (3 cr.)
Current or specialized topics proposed by faculty or students and approved by the
dep artm ent. May be tak en for cre dit more than once as the topics differ. 

Topic: Terrorism
8/2-8/13 MTWR 0800-1200
BL 235 Instructor: Feinman
Class #5207

CRJ 385/Cooperative Education 3,6 cr.
in Criminal Justice I

CRJ 399/Cooperative Education 3,6 cr.
in Criminal Justice II

CRJ 480/Cooperative Education in Criminal Justice III
(See COOPERATIVE EDUCATION for description, p. 7).

CRJ 499/Independent Study in 3 or 6 cr. Criminal Justice
Prerequisite: Criminal Justice major and permission of instructor
For advanced students wishing to pursue a special area of interest in criminal justice. Students develop a proposal around a sophisticated research design, including problems definition, hypotheses, methodology, etc. to complete a comprehensive study. Topic and research design developed in consultation with a faculty advisor.

Hours: TBA
Class # CRJ 499 A 5209
Class # CRJ 499 B 5211
Class # CRJ 499 C 5213
Class # CRJ 499 D 5215
Class # CRJ 499 E 5217
Class # CRJ 499 F 5219
Coordinator: Lengyel

English

ENG 103/Basic Writing 2 cr.
(3 class hours)
Study of elements involved in writing good prose, with emphasis on the use of such elements in the student's own writing. May not be elected. Assigned by placement.
6/21-7/30 MTWR 0830-1010
HH304 Instructor: Staff
Class #5281

ENG 107/English I: Writing 3 cr.
(3 class hours)
Understanding and practicing the relationships between reading and writing with emphasis on essays and expository prose.
6/21-7/30 MTR 1030-1245
HH304 Instructor: Birnes
Class #5283

ENG 109/Intermediate Composition 3 cr.
Prerequisite: English I
(3 class hours)
Study and practice of major forms of writing— exposition, argumentation, description and narration as well as guidance in and practice of writing a research paper.

ENG 201/Descriptive Linguistics 3 cr.
(3 class hours)
Prerequisite: English I
An introduction to all aspects of language including child language development, how the mind works using language and the use of language for social interaction.
6/21-7/30 MTR 0800-1015
HH372 Instructor: Birnes
Class #5287

ENG 215/People and Computers 3 cr.
A non-mathematical introduction to the computer designed to familiarize the student with uses of the computer in such areas as computer assisted instruction (CAI), computer assisted design (CAD), word processing, data management, and artificial intelligence. Computers will be available for student use.
6/7-6/18 MTWR 0800-1000
HH 304
Class #5289
8/2-8/13 MTWR 0800-1600
HH 304
Class #5291

ENG 222/Short Story 3 cr.
(3 class hours)
Prerequisite: English I
Critical examination of the short story as a type of literature. Study of stories by such authors as Melville, Poe, Joyce, Kafka, Hemingway, Faulkner, Roth, Updike, Hawthorne, Chekhov.

ENG 246/The Film 3 cr.
(3 class hours)
Prerequisite: English I
Background and development of the motion picture; film technique and aesthetics; film criticism.

ENG 421/Introduction to Shakespeare 3 cr.
(3 class hours)
*For all 300 or 400 level literature courses the prerequisite is one literature course, or junior standing, or written permission of the instructor.

Reading a selected list of comedies, trag-
edies, and historical plays of Shakespeare.
6/21-7/30 MTWR 0830-1010
HH 315 Instructor: Erath
Class #5301

ENG 385/Cooperative Education in English I 3,6 cr.

ENG 399/Cooperative Education in English II 3,6 cr.

ENG 480/Cooperative Education in English III 3,6 cr.
(See COOPERATIVE EDUCATION for description, p. 7.)

ENG 499/Independent Study variable
Prerequisite: Junior standing
Intensive study of a literary or linguistic problem chosen through consultation between student and instructor.

Hours: TBA
Class # ENG 499A 5303
Class # ENG 499B 5305
Class # ENG 499C 5307
Class # ENG 499D 5309
Class # ENG 499E 5311
Class # ENG 499F 5313
Coordinator: Levin

History

HIS 101/Western Civilization to 1648 3 cr.
(3 class hours)
Political, social, economic and intellectual developments underlying western civilization from its beginning to the dawn of the Enlightenment.
6/28-7/30 MTR 1645-1925
EB 209 Instructor: Allen
Class #5355

HIS 102/Western Civilization from 1648 to Present 3 cr.
(3 class hours)
Political, social, economic and intellectual developments underlying western civilization during the past three centuries. Special emphasis on forces that have molded today's world.
6/28-7/30 MTR 1340-1620
EB 205 Instructor: Faughnan
Class #5357

HIS 115/Introduction to U.S. History: Early 3 cr.
(3 class hours)
Chronological survey of major developments in American history from colonial settlement through the period of reconstruction following the Civil War.
6/28-7/30 MTR 1045-1325
EB 205 Instructor: MacLaury
Class #5359

HIS 116/Introduction to U.S. History: Modern 3 cr.
(3 class hours)
Chronological survey of major developments in American history beginning with reconstruction following the Civil War through the 1960's.
Mathematical Sciences

MAT 101/Foundations of Mathematics I 3 cr.
(3 class hours)
A liberal studies course. Provides intuitive and formal experiences in development and appreciation of structural bases characteristic of mathematics. Topics from: Logic, Sets, and Probability.
6/21-7/30 MTWR 1025-1205
HH 105
Instructor: Staff
Class #5407
6/21-7/30 MTWR 1715-1855
HH 105
Instructor: Staff
Class #5408

MAT 104/Mathematics in the Liberal Arts 3 cr.
(3 class hours)
Liberal studies course. Topics selected from the history of mathematics; the interrelation between mathematics and other disciplines; and applications of mathematics to the arts, philosophy, social sciences, physical sciences, and finance. The precise list of topics chosen varies widely among sections.
6/21-7/30 MTWR 0830-1010
HH 105
Instructor: Staff
Class #5409

MAT 115/Statistics I 3 cr.
(3 class hours)
Liberal studies course. Introduction to descriptive statistics and statistical inference. Topics include: averages, variability, histograms, probability, normal distribution, hypotheses testing.
6/21-7/30 MTWR 1250-1430
HH 105
Instructor: Staff
Class #5410
6/21-7/30 MTWR 1715-1855
HH 117
Instructor: Staff
Class #5411

MAT 120/Elementary Mathematical Analysis 3 cr.
(3 class hours)
Liberal studies course. Pre-calculus course for non-math majors. Fundamentals of algebra, trigonometry, and analytic geometry. Stress is on computational and problem-solving techniques.
6/21-7/30 MTWR 0830-1010
HH 118
Instructor: Staff
Class #5412
MAT 211/Introduction to Quantitative Analysis I 3 cr.
(3 class hours)
Liberal studies course. A sequence in quantitative methods for students of business, accounting, and social sciences. Topics in MAT 211 include: algebra, linear methods and probability.
6/21-7/30 MTWR 1025-1205
HH 118 Instructor: Staff
Class #5413

MAT 225/Differential and Integral Calculus I and II 3,3 cr.
(3 class hours each semester)
Liberal studies course. Recommended for majors in biological science, chemistry, economics and engineering technology. Concepts and applications of differential and integral calculus with cartesian geometry developed intuitively. Functions, extrema, rates; geometric, physical and industrial applications.
MAT 225
6/21-7/30 MTWR 1715-1855
HH 118 Instructor: Staff
Class #5414

MAT 498/Independent Study in Mathematics 3 cr.
Prerequisite: By invitation only
Students will study independently an appropriate area. A department member will be assigned to advise the student.
Hours: TBA
Class # MAT 498A 5419
Class # MAT 498B 5421
Coordinator: Conjura

MAT 499/Independent Study in Computer Science 3 cr.
Prerequisite: By invitation only
Student will study independently an appropriate area. A department member will be assigned to advise the student.
Hours: TBA
Class # MAT 499A 5423
Class # MAT 499B 5425
Coordinator: Conjura

Music

MUS 150/Survey of Music 3 cr.
Literature
(3 class hours)
Liberal studies offering. Examination of periods, styles and outstanding musical personalities from the Renaissance to the contemporary scene. Non-music majors only.
6/28-7/30 MTR 1645-1925
BR 125 Instructor: Staff
Class #5437

MUS 160/Music Fundamentals 3 cr.
(3 class hours)
(Non-music majors only.)
Rhythm, melody and harmony in music. Basic knowledge of the keyboard. Musical skills acquired through singing, ear-training, music reading and creating original music.
6/28-7/30 MTWR 0830-1010
HH 120 Instructor: Staff
Class #5449

MUS 271/Aural Perception I 1 cr.
(1 class hour)
Prerequisite: MUS 162
Develops the student's aural perception, his ability to reproduce concepts vocally, and his sight-singing skills.
Hours: TBA Instructor: Bisgrove
BR 232 Class #5479

MUS 390/Music in Early Childhood 3 cr.
Education (Songs and Rhythms)
(3 class hours)
Planning typical lessons in advanced rhythmic participation, singing dramatizations, listening and reading; constructing
and playing simple instruments; observing and discussing demonstration lessons.
6/28-7/30 MTR 1340-1620
BR 128 Instructor: Staff
Class #5521

MUS 385/Cooperative Education in Music I 3,6 cr.
MUS 399/Cooperative Education in Music II 3,6 cr.
MUS 481/Cooperative Education in Music III (See COOPERATIVE EDUCATION for description, p. 7.)

MUS 499/Independent Study 1, 2, 3 cr.
Prerequisite: Permission of music chairperson Study in-depth of a specific musical area selected through consultation between student and teacher.

Hours: TBA
Class # MUS 499A 5523
Class # MUS 499B 5525
Class # MUS 499C 5527
Coordinator: Rittenhouse

Philosophy
(Philosophy and Religion Department)

PHI 101/Introduction to Philosophy 3 cr.
(3 class hours)
Introduction to philosophical thinking. The nature and means of knowledge; the existence of God; the nature of reality; the relation of mind and body; free will and determinism; egoism vs. altruism; rights and equality. Specific sections of this course may be designed for certain majors: e.g., business, psychology, etc.
6/21-7/30 TR 1800-2130
HH 304 Instructor: Clouser
Class #5557

PHI 120/Introduction to Logic 3 cr.
(3 class hours)
Basic principles and techniques of correct reasoning in daily life and the sciences. Detection of common fallacies, and analysis and evaluation of arguments via formal techniques.
6/21-7/30 MW 1800-2130
HH 304 Instructor: Staff
Class #5559

PHI 385/Cooperative Education in Philosophy I 3,6 cr.
PHI 399/Cooperative Education in Philosophy II 3,6 cr.

PHI 480/Cooperative Education in Philosophy III 3,6 cr.
(See COOPERATIVE EDUCATION for description, p. 00.)

PHI 497/Independent Study variable cr. in Philosophy
Prerequisite: Permission of the department
Independent study of a particular philosophical topic, in close consultation with a member of the department.

Hours: TBA
Class # PHI 497A 5561
Class # PHI 497B 5563
Class # PHI 497C 5565
Coordinator: Clouser

Physics

PHY 201-202/General Physics I and II 4,4 cr.
(3 class hours and 2 laboratory hours)
Corequisite for PHY 201: MAT 225 or 227
Corequisite for PHY 202: MAT 226 or 228
PHY 201: Mechanics and wave motion.
PHY 202: Heat, light, electricity and magnetism. Emphasizes understanding basic principles and concepts of physics. Use of problem solving is an integral part of course.

Physics I
6/14-7/8
CH 111
Class #5567
6/14-7/8
CH 111
Class #5569
Physics II
7/12-8/5
CH 111
Class #5571
7/12-8/5
CH 111
Class #5573

PHY 385/Cooperative Education in Physics I 3,6 cr.
PHY 399/Cooperative Education in Physics II 3,6 cr.
PHY 480 Cooperative Education in Physics III (See COOPERATIVE EDUCATION for description, p. 7.)

PHY 499/Independent Study variable cr. in Physics
(hours individually arranged)
Prerequisite: Permission of instructor
Study independently a selected area of physics, meteorology or astronomy through the use of scientific journals, source books and experimentation. This course may be repeated for credit if the topic is different.
Political Science

POL 205/Introduction to Public Administration 3 cr.
(3 class hours)
Introduction to public administration including definition of the “administrative state,” structure and politics of the administrative state, and impact of administration on society.

POL 391/Selected Topics in Political Science 3 cr.
Prerequisite: Permission of instructor
Current or specialized topics proposed by faculty or students and approved by department; may be taken for credit several times if content differs each time.

POL 385/Cooperative Education in Political Science I 3,6 cr.

POL 399/Cooperative Education in Political Science II 3,6 cr.

POL 480/Cooperative Education in Political Science III 3,6 cr.
(See COOPERATIVE EDUCATION for description, p. 7.)

POL 398/Independent Study variable cr. in Political Science
Prerequisite: Permission of department
Independent reading or research pursued under supervision of departmental adviser; project proposals may be presented by upper-level students for departmental consideration.

Psychology

PSY 101-102/Introductory Psychology 3,3 cr.
PSY 101-102/Introductory Psychology I and II
(3 class hours each semester)
Fundamentals of psychology stressing motivation, behavior dynamics, learning. Student participation in experimental studies.

PSY 203/Statistics in Behavioral Science 3 cr.
(2 class hours and 2 laboratory hours)
Prerequisite: PSY 101, PSY 102 or PSY 201
Elementary calculation and interpretation of standard statistical techniques. Parametric measures up to elementary analysis of variance, factorial design. Introduction to nonparametrics.

PSY 222/Child Psychology 3 cr.
(3 class hours)
Prerequisite: PSY 101 or PSY 102
Psychological, physical and social development of children. Theories of development include learning, dynamic and cognitive theories.

PSY 224/Adolescent Psychology 3 cr.
(3 class hours)
Prerequisite: PSY 101 or PSY 102
Physical, intellectual, personality and social development during the period from puberty to the attainment of full adult status within the society. Emphasis on family, peer,
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Pre-Requisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 310</td>
<td>Principles of Learning</td>
<td>3 cr.</td>
<td>PSY 101 and PSY 102</td>
</tr>
<tr>
<td>PSY 315</td>
<td>Social Psychology</td>
<td>3 cr.</td>
<td>PSY 101 and 3 additional s.h. of psychology</td>
</tr>
<tr>
<td>PSY 316</td>
<td>Psychology of Personality</td>
<td>3 cr.</td>
<td>PSY 101 and 3 additional s.h. of psychology</td>
</tr>
<tr>
<td>PSY 331</td>
<td>Introduction to Abnormal Psychology</td>
<td>3 cr.</td>
<td>6 s.h. of psychology</td>
</tr>
<tr>
<td>PSY 333</td>
<td>Mental Health</td>
<td>3 cr.</td>
<td>6 s.h. of psychology</td>
</tr>
<tr>
<td>PSY 399</td>
<td>Cooperative Education in Psychology</td>
<td>3,6 cr.</td>
<td>Permission of instructor and department</td>
</tr>
<tr>
<td>REL 151</td>
<td>Comparative Religion</td>
<td>3 cr.</td>
<td>Comparison of major teachings of Hinduism, Buddhism, Zen Buddhism, Taoism, Confucianism, Judaism, Christianity and Islam. The Hindu Bhagavad Gita, Buddhist scriptures and/or other original sources will be read.</td>
</tr>
<tr>
<td>REL 385</td>
<td>Cooperative Education in Religion I</td>
<td>3,6 cr.</td>
<td>Permission of instructor and department</td>
</tr>
<tr>
<td>REL 399</td>
<td>Cooperative Education in Religion II</td>
<td>3,6 cr.</td>
<td>Permission of instructor and department</td>
</tr>
<tr>
<td>REL 480</td>
<td>Cooperative Education in Religion III</td>
<td>3,6 cr.</td>
<td>Permission of instructor and department</td>
</tr>
<tr>
<td>REL 497</td>
<td>Independent Study in Religion</td>
<td>3 cr.</td>
<td>Permission of the department</td>
</tr>
</tbody>
</table>

**Religion (Philosophy and Religion Department)**

<table>
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<th>Pre-Requisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL 399</td>
<td>Cooperative Education in Psychology</td>
<td>3,6 cr.</td>
<td>Permission of instructor and department</td>
</tr>
<tr>
<td>REL 480</td>
<td>Cooperative Education in Religion III</td>
<td>3,6 cr.</td>
<td>Permission of instructor and department</td>
</tr>
</tbody>
</table>

**Religion (Philosophy and Religion Department)**

<table>
<thead>
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<th>Pre-Requisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL 385</td>
<td>Cooperative Education in Religion I</td>
<td>3,6 cr.</td>
<td>Permission of instructor and department</td>
</tr>
<tr>
<td>REL 399</td>
<td>Cooperative Education in Religion II</td>
<td>3,6 cr.</td>
<td>Permission of instructor and department</td>
</tr>
<tr>
<td>REL 480</td>
<td>Cooperative Education in Religion III</td>
<td>3,6 cr.</td>
<td>Permission of instructor and department</td>
</tr>
</tbody>
</table>

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*Course details include course codes, titles, credits, pre-requisites, instructors, and schedules.*
Sociology

SOC 101/Introductory Sociology  3 cr.
(3 class hours)
Perspectives and methods of the sociological approach. Analysis of institutions, class, ecology, and the processes of interaction. An introductory study of the nature of culture and cultural change.
6/21-7/30  MTR 1030-1245
BL 123  Instructor: Anderson
Class #5689
6/21-7/30  MTR 1700-1915
BL 125  Instructor: Robboy
Class #5690

SOC 205/Contemporary Social Problems  3 cr.
(3 class hours)
Prerequisite: SOC 101
Causes of contemporary social problems and their interrelationships.
6/21-7/30  MTR 0800-1015
BL 125  Instructor: Brandow
Class #5691

SOC 385/Cooperative Education in Sociology I  3,6 cr.
SOC 399/Cooperative Education in Sociology II  3,6 cr.
SOC 480/Cooperative Education in Sociology III  3,6 cr.
(See COOPERATIVE EDUCATION for description, p. 7.)

SOC 402/Individual Research variable cr.
Prerequisite: SOC 101, 401, MAT 115 and permission of instructor
Continuation of SOC 401. Student chooses research topic and member of faculty to supervise. May be repeated for credit. Hours: TBA
Coordinator: Anderson
Class #5692

SOC 450/Senior Honors  3 cr.
(3 class hours)
Prerequisite: Advanced standing in department of sociology-anthropology
Individual and seminar participation. Selected topics. May be repeated for credit. Hours: TBA
Coordinator: Anderson
Class #5693

Spanish

SPA 101-102/Spanish for Beginners I and II  3, 3 cr.
(3 class hours and 1 laboratory hour each semester)
An introduction to spoken and written Spanish, emphasizing the skills of reading comprehension and writing.
SPA 101
6/21-7/30  MTWR 1715-1855
HH315  Instructor: Murphy
Class #5699
SPA 102
6/21-7/30  MTWR 1915-2055
HH315  Instructor: Murphy
Class #5701

SPA 499/Independent Study in Spanish variable cr.
Prerequisite: Permission of instructor
Study of a period, genre or problem in Spanish literature and civilization, selected following consultation between student and instructor. Hours: TBA
Class # SPA 499A 5703
Class # SPA 499B 5705
Class # SPA 499C 5707
Class # SPA 499D 5709
Class # SPA 499E 5711
Class # SPA 499F 5713
Coordinator: Murphy

Speech Communication and Theatre

SCT 100/Speech I: Fundamentals of Public Speaking  3 cr.
Women's Studies

WOS 200/Introduction to Women's Studies 3 cr.
An interdisciplinary course tracing changing views on women since World War II, including current unresolved conflicts, and new opportunities. Academic areas will include psychology, literature, education, health, biology, sociology and history.
6/28-7/30  MTR 1645-1925
EB 101  Instructor: Shanler
Class # 5419

BUSINESS

Business

The following business core courses, required for all business majors, are offered:
BUS 260 Accounting Principles I
BUS 261 Accounting Principles II
BUS 310 Management Principles
BUS 317 Introduction to Law and Contracts
BUS 322 Introduction to Data Processing and Business Systems
BUS 328 Principles of Finance
BUS 330 Business and Economic Statistics
BUS 332 Business Communications
BUS 340 Marketing Principles

BUS 210/Introduction to Business 3 cr.
(3 class hours)
Basic survey course in business. Designed to equip the student with a fundamental understanding of modern business.
6/21-7/30  MTR 1300-1515
BL123  Instructor: Robinson
Class # 5113

BUS 260/Accounting Principles I 3 cr.
(3 class hours)
Basic course in financial accounting including study of the accounting cycle, classification and valuation of assets and periodic income measurement.
6/14-7/9  MTWR 0815-1030
BL129  Instructor: Shiarappa
Class # 5115

BUS 261/Accounting Principles II 3 cr.
(3 class hours)
Prerequisite: BUS 260 or BUS 262
Cost-volume-profit analysis, cost systems, budgeting and performance evaluation for goal congruence, funds-flow statement, and statement analysis.
7/12-8/6  MTWR 0815-1030
BL129  Instructor: Shiarappa
Class # 5117

BUS 270/Understanding American Business 3 cr.
Development of awareness and understanding of American business enterprise through direct contact with selected firms. Emphasis on the role of business in society and on the internal problems and operations of firms. Field trips may be required at student's expense.
6/28-7/30  MTR 1645-1925
BL235  Instructor: Staff
Class # 5121

BUS 310/Management Principles 3 cr.
(3 class hours)
Prerequisite: Junior standing
The management functions of planning, organizing, controlling, and activating as applicable to organizations in the public and private sector.
6/28-7/30  MTR 1045-1325
BL124  Instructor: Forbes
Class # 5119

BUS 312/Office Management 3 cr.
(3 class hours)
Survey of managerial functions and supervisory control as they relate to the leadership function of the administrative office manager.
6/21-7/30  MTR 1700-1915
BL123  Instructor: Staff
Class # 5123

BUS 313/Personnel Administration 3 cr.
(3 class hours)
Examination of personnel policies and practices. Emphasizes functional areas of personnel and the role of personnel management in the total organization.
6/21-7/30  MTR 1700-1915
BL129  Instructor: Staff
Class # 5125

BUS 315/Business Report Writing 3 cr.
(3 class hours)
Prerequisite: English I or equivalent
Emphasis on communication theory as applied to the analysis and preparation of information and analytical reports. Covers the use of formal and informal reports in a wide variety of organizational settings.
6/21-7/30  MTR 1700-1915
BL28  Instructor: Robinson
BUS 317/Introduction to Law and Contracts 3 cr.
(3 class hours)
An examination of the legal environment and of the individual's rights and responsibilities in his/her various roles in a free society. Particular emphasis will be placed on the law of contracts as it relates to the individual's relationships within the business community.
6/28-7/30 MTR 1645-1925
BL228 Instructor: Gleason
Class # 5129

BUS 322/Introduction to Data Processing and Business Systems 3 cr.
(3 class hours)
Provides a basic knowledge and understanding of the concepts and principles used in business data processing and computer systems.
6/28-7/30 MTR 1340-1620
BL228 Instructor: Sherrer
Class # 5131

BUS 328/Principles of Finance 3 cr.
(3 class hours)
An introduction to the concepts of the finance function of organizations, businesses and government.
(Business students may not substitute this course for BUS 329/Corporate Finance I.)
6/14-7/9 MTWR 0815-1030
BL124 Instructor: Patrick
Class # 5133

BUS 330/Business and Economic Statistics 3 cr.
(3 class hours)
Prerequisite: 6 semester hours of mathematics
Basic tools and techniques of descriptive and inferential statistics especially as applied to business.
6/21-7/30 MTR 1930-2145
BL129 Instructor: Staff
Class # 5135

BUS 332/Business Communications 3 cr.
(3 class hours)
Prerequisite: Junior standing
Application of writing and speaking to the communication requirements of business—their roles, techniques and types, with exercises in the formulation of some business communication products.
6/14-7/9 MTWR 1330-1545
BL124 Instructor: Vogel
Class # 5137

BUS 333/Public Relations 3 cr.
(3 class hours)
Public relations as a tool to supplement the efforts of management. Emphasis is placed on business-community relations and customer-company relations. A survey course.
6/28-7/30 MTR 1045-1325
BL228 Instructor: Shenker
Class # 5139

BUS 340/Marketing Principles 3 cr.
(3 class hours)
An introduction to the marketing discipline. Exposes students to the variables examined in designing marketing strategy and the options available to the marketing manager.
(formerly numbered BUS 241)
6/14-7/9 MTWR 1100-1315
BL125 Instructor: Stern
Class # 5141

BUS 345/Sales 3 cr.
(3 class hours)
Prerequisite: BUS 340
The sales function in a marketing organization; techniques for making an effective sales presentation; introduction to sales management problems.
6/14-7/9 MTWR 1330-1545
BL125 Instructor: Stern
Class # 5143

BUS 363/Intermediate Accounting II 3 cr.
(3 class hours)
Prerequisite: BUS 362
In-depth study of investments, intangible assets, current and long-term liabilities, stockholders equity, financial statement analysis, reporting for general price-level changes, statements from incomplete records and statement of changes in financial position.
6/28-7/30 MTR 1045-1325
BL129 Instructor: Shiarappa
Class # 5145

BUS 371/Introduction to Investments 3 cr.
The fundamentals of investing in stocks, bonds and other negotiable instruments. Discusses securities markets, trading techniques, determinants of securities prices and investment objectives.
6/14-7/9 MTWR 1100-1315
BL 128 Instructor: Patrick
Class # 5147

BUS 450/Human Resources Management 3 cr.
(3 class hours)
Prerequisite: BUS 310
An approach to the study of management especially as it pertains to employee motivation, employee development, communication problems and the management of organizational change.
6/21-7/30 MTR 1930-2145
BL124 Instructor: Staff
Class # 5149

BUS 497/Selected Topics in Business Topic: Product Liability 3 cr.
An opportunity to pursue in a structured setting a topic of current interest or specialized focus not available in scheduled business courses. To be offered irregularly. (Course content will vary; course may be repeated for credit, up to a maximum of 6 semester hours.)

6/28-7/30 MTR 1935-2215 BL228 Instructor: Gleason
Class # 5151

BUS 385/Cooperative Education in Business I 3,6 cr.

BUS 399/Cooperative Education in Business II 3,6 cr.

BUS 480/Cooperative Education in Business III (See COOPERATIVE EDUCATION for description, p. 7.)

BUS 499/Independent Study 1-6 cr.
**Prerequisite:** Permission of instructor

An opportunity to engage in individual or small-group projects and studies not otherwise available in the curriculum; under the supervision of a faculty adviser. (Independent study activities may not be substituted for required courses in an individual's major program.)

Hours: TBA
Class # BUS 499A 5153
Class # BUS 499B 5155
Class # BUS 499C 5157
Class # BUS 499D 5159
Class # BUS 499E 5161
Class # BUS 499F 5163
Coordinator: Sherrer

**Economics**

See also: Business; Management

**ECO 201/Principles of Economics:** 3 cr.

**Macro**

**ECO 385/Cooperative Education in Economics I:** 3,6 cr.

**ECO 399/Cooperative Education in Economics II:** 3,6 cr.

**ECO 480/Cooperative Education in Economics III:** 3,6 cr.

(See COOPERATIVE EDUCATION for description.)

**ECO 499/Independent Study (Var. Credit)**

**Prerequisite:** ECO 201 & 202

An opportunity to engage in individual or small-group projects and studies not otherwise available in the curriculum under the supervision of a faculty adviser. (Independent study activities may not be substituted for required courses in an individual's major program.)

Hours: TBA
ECO 499A Class # 5243
ECO 499B Class # 5245
ECO 499C Class # 5247
Coordinator: Breslin

**School of Industrial Education and Engineering Technology**

**IET 111/Graphic Representation** 3 cr.

(2 class hours and 3 laboratory hours)

Engineering graphics as a language and a tool of industry. Free hand drawing, orthographic projection and basic descriptive geometry, axonometric drawings, developments and intersections. Basic dimensioning and reproduction of working drawings.

6/21-7/30 MTWR 1930-2210 AR47
Instructor: Laws
Class # 5371

**IET 171/General Industrial Arts** 3 cr.

(2 class hours and 3 laboratory hours)

Not open to industrial education majors.

Liberal Studies course. Demonstrations, discussions, and practical application of common tools and materials. Development of appreciation of industry through activities using woods, metals, photography, plastics...
IET 179/General Photography 3 cr.
(1 class hour and 4 laboratory hours)

Prerequisite: IET 121
The study of photography in both scientific and aesthetic terms. Experience in taking photographs, printing and mounting of pictures, lighting techniques and special processes.

6/21-7/30 MTWR 1800-2040
AR3
Class # 5377
Instructor: Edelbach

IET 222/Photography in the Graphic Arts 3 cr.
(2 class hours and 3 laboratory hours)

Prerequisite: IET 121
The study of photography in both scientific and aesthetic terms. Experience in taking photographs, printing and mounting of pictures, lighting techniques and special processes.

6/21-7/30 MTWR 1800-2040
AR3
Class # 5377
Instructor: Edelbach

IET 312/Machine Drawing 3 cr.
(2 class hours and 3 laboratory hours)

Prerequisite: IET 111

6/21-7/30 MTWR 1930-2210
AR47
Class # 5379
Instructor: Laws

IET 370/Cooperative Education in Industrial Education and Technology I 3,6 cr.
IET 375/Cooperative Education in Industrial Education and Technology II 3,6 cr.
IET 391/Foundations of Practical Arts and Vocational Education 3 cr.

Philosophical and psychological basis of practical arts and vocational education in contemporary American life; historical roots, present values, objectives and contributions. Industrial education curriculum reviews, their relationship to one another and role in American education. Field trips may be required at student expense.

6/21-7/9 MTWRF 1900-2140
AR73
Class # 5381
Instructor: Oakley

IET 393/Content and Methods in Practical Art and Vocational Education 3 cr.

Prerequisite: IET 391
Methods of teaching, safety and evaluation studied in relation to objectives. Selection and organization of subject matter and development of programs and courses of study in practical arts and vocational education.

7/12-7/30 MTWRF 1900-2140
AR56
Instructor: Oakley
Class #5383

IET 466/Workshop in Industrial Education (Pedal Power) 3 cr.

A study of the design and utilization of the bicycle as a stationary power source as well as a transportation system for both goods and people. Prototype fabrication will be included.

8/2-8/13 MTWRF 0800-1600
AR27
Class # 5389
Instructor: Asper

IET 474/Cooperative Education in Industrial Education and Technology III 3,6 cr.

(See COOPERATIVE EDUCATION for description, p. 7.)

IET 489/Senior Project 2,2 cr.

(1 class hour and 2 laboratory hours)

Prerequisite: Senior standing

Focusing of students' previous experience upon specific technical projects. Library research, design, cost analysis, construction and testing. Students work with faculty advisor, discuss other students' projects through class meetings.

EET Majors Only
Hours: TBA
Class # 5391
Coordinator: Katz
IET & MET Majors only
Hours: TBA
Class # 5393
Coordinator: Shelley

IET 497/Independent Study in Industrial Education and Technology 1-6 cr.

Prerequisite: Permission of instructor and Dean of School

For advanced students wishing to pursue a special area of interest in industrial education or technology. Topic developed in consultation with a faculty adviser.

Hours: TBA
Class # IET 497A 5395
Class # IET 497B 5397
Class # IET 497C 5399
Class # IET 497D 5401
Class # IET 497E 5403
Class # IET 497F 5405
Coordinator: Thower
Early Childhood Education

See also: Elementary Education; Reading

ECE 204/Guiding the Learning 3 cr.
Experience of Young Children
(2 class hours and 2 laboratory hours)
- Characteristics and needs of young children; significance of experience; role of the teacher; basic principles and practices in teaching young children; observation and participation in a nursery school or a day care center. Field trips may be required at student expense.
6/28-7/30 MTR 0800-1040
EB224
Instructor: Staff
Class # 5229

ECE 360/Curriculum of Early Childhood Education 3 cr.
(3 class hours)
- Basic concepts underlying the curriculum for young children in the nursery school. Curriculum planning; techniques, methods and materials; role of the teacher in presenting appropriate curriculum content.
6/28-7/30 MTR 1045-1325
EB211
Instructor: Staff
Class # 5231

ECE 385/Cooperative Education in Early Childhood Education I 3,6 cr.
ECE 399/Cooperative Education in Early Childhood Education II 3,6 cr.
ECE 480/Cooperative Education in Early Childhood Education III 3,6 cr.
(See COOPERATIVE EDUCATION for description, p. 7.)

ECE 498/Independent Study in Early Childhood Education 1-3 cr.
- Prerequisite: Departmental approval
- An in-depth independent study of an aspect of early childhood education chosen through consultation between the student and a faculty adviser.
- Hours: TBA
- Class # ECE 398A 5233
- Class # ECE 498B 5235
- Class # ECE 498C 5237
- Coordinator: Harned

Educational Field Experiences

SEC 491/Seminar in Supervised Teaching: Secondary and Special Fields—Observation and Participation 6 cr.
- Part I. A series of pre-session orientation meetings held during the latter part of the spring semester.
- Part II. A summer session consisting of daily lectures, class discussions, conferences, observation and limited participation in demonstration classes. Topics include aims and objectives of present-day educational programs, lesson and unit planning, the public school curriculum, classroom management, measurement and evaluation of student progress. Open to graduate students enrolled in MAT programs.
6/21-7/30 MTR 0830-1300
EB206
Instructor: Farber
Class # 5673

Educational Foundations

EDF 300/Development of Educational Thought 3 cr.
- (3 class hours)
- Synoptic study of the history of European and American education; principles underlying educational theories and practices; philosophies of education and their implications for modern education. Emphasis upon developing a personal philosophy of education.
6/28-7/30 MTR 1340-1620
Class # 5249
EB101
Instructor: Carroll
Class # 5251
EB101
MTR 1935-2215
Instructor: Shanler

EDF 400/The Teacher in School and Community 2 cr.
(2 class hours)
- The influence of economic, political and social forces on the role of the teacher and the school, school law, collective bargaining and problems in public education. Special emphasis will also be given to human and intercultural relations. Field trips may be required in quarter courses at student expense.
EDF 499/Independent variable Study in Educational Foundations
Prerequisite: Permission of major department chairperson
Intensive study of a selected area chosen through consultation between student and instructor.
Hours: TBA
Class # EDF 499A 5257
Class # EDF 499B 5259
Class # EDF 499C 5261
Class # EDF 499D 5263
Class # EDF 499E 5265
Class # EDF 499F 5267
Coordinator: Carroll

Elementary Education
See also: Reading; Early Childhood Education

ELM 325/Teaching Science and Social Studies in the Elementary School
3 cr.
(3 class hours)
(Required of students in Track OIA.)
Purpose, scope and sequence of science and social studies instruction. Planning for teaching of science and social studies content.
(May not be substituted for ELM 306.)
6/28-7/30 MTR 0800-1040
EB347 Instructor: Staff
Class #5269

ELM 341/Language Arts in the Elementary School 3 cr.
(3 class hours)
Prerequisite: ENG 210
Language as a form of social behavior; language needs of children; methods and materials including children’s literature in developing oral and written language skills.
6/28-7/30 MTR 0800-1040
EB347 Instructor: Staff
Class #5269

ELM 385/Cooperative Education in Elementary Education I 3,6 cr.
ELM 399/Cooperative Education in Elementary Education II 3,6 cr.

ELM 480-Cooperative Education in Elementary Education III
3,6 cr.
(See COOPERATIVE EDUCATION for description, p. 7.)

ELM 491/Seminar in Supervised Teaching: Observation and Participation
6 cr.
(Summer only for Track OIA)
For information regarding this course, contact Mr. Robert Gerke, Office of Student Teaching (609-771-2408). Offered for students pursuing a part-time program in elementary education. Open also to graduate students enrolled in MAT programs. A series of pre-session orientation meetings held during the latter part of the spring semester and summer session consisting of daily lectures, class discussions, conferences, observation and participation in demonstration classes. Topics include aims and objectives of present-day educational programs; lesson and unit planning; the public school curriculum; classroom management and measurement and evaluation of student progress. Completion of 90 semester hours including the following professional courses is prerequisite to ELM 491:

ELM 101/The Modern Elementary School
MCS 271/Production of Instructional Materials
ELM 201/Child Growth and Learning
RDG 323/Teaching Reading in the Elementary Grades
ELM 325/Science and Social Studies in the Elementary School
MAT 348/Teaching Modern Mathematics in the Elementary Grades
ELM 341/Language Arts in the Elementary School
ELM 361/Elementary School Curriculum
ELM 413/Principles and Practices of Elementary Education
Hours: TBA
Class #5273
Coordinator: Harned

ELM 498/Independent Study in Elementary Education 1-3 cr.
Prerequisite: Departmental Approval
An independent study of an aspect of elementary education chosen through consultation between the student and a faculty adviser.
Hours: TBA
Class #ELM 498A 5275
Class #ELM 498B 5277
Class #ELM 498C 5279
Coordinator: Harned

27
Health Education

See also: Physical Education, Recreation

HED 150/Contemporary Health 2 cr.
Problems
(Two 50 min./sem.)
Scientific discovery and recent progress in health science as an approach to the solution of health problems. Health is considered as a means to effective living: self-evaluation is encouraged.
6/7-6/18 MTWRF 1800-2030
NU 110 Instructor: McCorkle
Class #5331
6/21-7/30 MTR 0800-1015
NU 102 Instructor: Chilakos
Class #5333

HED 356/Foundations of Sex Education 3 cr.
(Two 75 min./sem.)
6/28-7/30 MTR 1935-2215
EB130 Instructor: Brown
Class #5335

HED 358/Perspectives on Aging, Death and Dying 3 cr.
(Two 75 min./sem.)
Analysis of personal meanings of aging, death and dying viewed from biological, psychosocial, medical and bioethical aspects. Roles of professionals in these areas and appraisal of current trends and research.
6/28-7/30 MTR 0800-1040
NU323 Instructor: Herzstein
Class #5337

HED 390/Curriculum and Methods in Health Education 3 cr.
(Two 75 min./sem.)
Development and implementation of the health curriculum and its place in the total school program K through 12. Development of instructional units and lesson plans for health instruction.
6/28-7/30 MTR 1045-1325
NU323 Instructor: Fassbender
Class #5339

HED 453/Alcohol and Narcotics 3 cr.
Workshop
(Two 75 min./sem.)
Investigates various drug dependencies and their effect on the individual and society. Scientific discovery regarding the use, misuse and abuse of mood-modifying substances is emphasized.
6/21-7/15 MTWR 1700-1930
NU323 Instructor: Herzstein
Class #5341

Media Communication Science

MCS 217/Television Production I 3 cr.
Television studio production; camera operation, basic principles of lighting, sound and set design; functions of floor director; control room operations and basic television directing.
6/28-7/30 MTR 1045-1325
TV Studio Instructor: Rogosky
Class #5427

MCS 271/Production of Instructional 3 cr.
Materials
(3 class hours)
Production of a wide range of media and materials including graphic design for projected and nonprojected media. The student will be involved in the production process.
6/28-7/30 MTR 0800-1040
EB103 Instructor: Rogosky
Class #5429

MCS 385/Cooperative Education in Media Communication Science I 3,6 cr.

MCS 399/Cooperative Education in Media Communication Science II 3,6 cr.

MCS 480/Cooperative Education in Media Communication Science III 3,6 cr.
MCS 499/Independent
Study in Media Communication
(credit varies with assignment)
Approval of department chairperson. Intensive individual study under faculty supervision of a selected problem in media/communication field.
Hours: TBA
Class #MCS 499A 5431
Class #MCS 499B 5433
Class #MCS 499C 5435
Coordinator: Kaplowitz

Physical Education
See also: Health Education,
Recreation

PED 131/Golf
1 cr.
(Two 75 min/qt.)
Development of golfing skills, plus knowledge of basic rules and etiquette. Field trips may be required at student expense.
6/7-6/18 MTWRF 1530-1730
Gyms I & II Instructor: Oshel
Class #5529

PED 153/Basketball
1 cr.
(Two 75 min/qt.)
Development and utilization of basic skills and game strategies plus a study of the rules accompanied by introduction to applicable teaching techniques and methodologies.
6/7-6/18 MTWRF 1800-2000
Gyms I & II Instructor: Oshel
Class #5531

PED 202/First Aid
2 cr.
(Two 50 min/sem.)
The standard first aid course of the American Red Cross with opportunities to attain American Red Cross Standard, Advanced and Instructor's First Aid Certificates.
6/21-7/9 MTWRF 1300-1530
PA103 Instructor: Oshel
Class #5533

PED 203-204/Human Anatomy and Physiology
(Three 75 min lab/sem.)
Prerequisite: Senior standing or approval of program director
Methodology relating to knowledge, skill and psychological considerations in teaching driver education. This course certifies individuals to teach driver education in New Jersey.
6/21-7/9 MTWRF 0900-1200
PA104 Instructor: Oshel
Class #5539
6/21-7/9 MTWRF 1230-1530
PA 104 Instructor: Medve
Class #5541

PED 499/Independent Study
variable cr.
In Physical Education
Prerequisite: Approval of topic by department for advanced student; in-depth study of a carefully defined area of physical education.
Hours: TBA
Class #PED 499A 5546
Class #PED 499B 5547
Class #PED 499C 5549
Class #PED 499D 5551
Class #PED 499E 5553
Class #PED 499F 5555
Coordinator: Wright

Reading
See also: Elementary Education; Early Childhood Education

RDG 323/Teaching Reading in the
Elementary Grades
(3 class hours)
**Prerequisite:** ENG 210 (Required of student enrolled in Track OIA).

Basic principles. Nature of reading programs for the elementary school. Methods and materials used in a sequential reading program.

6/28-7/30 MTR 1045-1325
EB423 Instructor: Staff
Class #5641

**RDG 327/Teaching Reading in the Junior and Senior High School**

(3 class hours)

Includes causes of reading difficulty, nature of reading process; procedures for developing reading study skills, work recognition; comprehension, appreciation; reading programs; materials for teaching; measurement and evaluation.

6/28-7/30 MTR 1045-1325
EB320 Instructor: Staff
Class #5643

**RDG 421/Diagnosis of Reading Difficulties**

(3 class hours)

**Prerequisites:** RDG 305, or RDG 315, RDG 323, RDG 327 or equivalent

Nature, analysis, and causes of reading disabilities; principles and approaches to diagnosis; techniques of diagnosis and use of tests. Overcoming reading defects in comprehension, basic study skills and oral reading.

6/28-7/30 MTR 0800-1040
EB320 Instructor: Staff
Class #5645
6/28-7/30 MTR 1645-1925
EB423 Instructor: Staff
Class #5647

**Recreation**

See also: Health Education

**Physical Education**

**REC 395/Fieldwork Experiences in Recreation**

(6 laboratory hours)

**Prerequisite:** Junior standing, major in recreation. Observation and limited participation as a paraprofessional in local recreation programs. Emphasis on assuming line positions in the program in order to conduct specific activities.

Hours: TBA
Coordinator: Curry
Class #5649

**REC 493/Internship in Recreation (TBA)**

**Prerequisite:** Senior standing, major in recreation

Full semester of internship during the senior year with approved professionals in selected recreation programs. Direct supervision by professional and college faculty supervisors. The student will assume line or staff level positions in the urban or inner-city setting. Research, observation, participation, organization and supervision of activities.

(P/U grading)
Hours: TBA
Coordinator: Curry
Class #5651

**REC 385/Cooperative Education in Recreation I**

3,6 cr.

**REC 399/Cooperative Education in Recreation II**

3,6 cr.

**REC 480/Cooperative Education in Recreation III**

(See COOPERATIVE EDUCATION for description, p. 7.)

**REC 499/Independent Study in Recreation**

1-6 cr.

**Special Education**

**SED 101/Survey and Observation of Exceptional Children**

3 cr.

(2 class hours and observations)

For major students. Introduction to the education of the mentally retarded, physically limited, deaf or hard of hearing, blind or partially sighted, socially and emotionally maladjusted, speech defective and the intellectually gifted. Field trips are required at student expense.

6/28-7/30 MTR 1045-1325
EB222 Instructor: Feehan
Class #5675

**SED 385/Cooperative Education in Special Education I**

3,6 cr.

**SED 399/Cooperative Education in Special Education II**

(See COOPERATIVE EDUCATION for descriptions, p. 7.)

**SED 499/Independent Study in Special Education**

1-6 cr.
an area of interest, participation in department of inter-agency clinics, workshops, etc., or such other independent studies that would contribute to the professional growth of the student.

Hours: TBA
SED 499A Class #5677
SED 499B Class #5679
SED 499C Class #5681
SED 499D Class #5683
SED 499E Class #5635
SED 499F Class #5687
Coordinator: Feehan

Speech Pathology and Audiology

SPP 318/Introduction to Measurement of Hearing 3 cr.
(3 class hours)
Prerequisite: SPP 308
Experience in the various methods of hearing testing. Types and causes of hearing impairment and role of audiometry in diagnosis.
6/28-7/30 MTR 1045-1325
EB256-7 Instructor: Schwartz
Class #5715

SPP 385/Cooperative Education in Speech Pathology I 3,6 cr.

SPP 399/Cooperative Education in Speech Pathology II 3,6 cr.

SPP 480/Cooperative Education in Speech Pathology III 3,6 cr.
(See COOPERATIVE EDUCATION for description, p. 7.)

SPP 490/Student Teaching 4 cr.
Clinical Practice I
Prerequisite: Completion of freshman, sophomore and junior speech pathology and audiology courses with 2.5 g.p.a. in major Supervised clinical experience in speech and language therapy with children and adults. (P/U grading)
Hours: TBA
Class #5716
Coordinator: Hornyak

SPP 491/Student Teaching 4 cr.
Clinical Practice II
Continuation of Clinical Practice I. Supervised clinical experience in diagnosis and therapy with children and adults who have speech and language problems. (P/U grading)
Hours: TBA
Class #5717
Coordinator: Hornyak
GRADUATE REGISTRATION

For those already enrolled with the Graduate Division:

1. Complete forms A and C. Students enrolled in a degree program must have registration cards signed by graduate program adviser prior to registration; an appointment is recommended.**
2. Detach forms.
3. Enclose check or money order (payable to Trenton State College) with forms and mail to:
   Division of Continuing and Adult Education
   Trenton State College
   Hillwood Lakes CN 550
   Trenton, NJ 08625.

IN-PERSON REGISTRATION will be held in the office of the Division of Continuing and Adult Education, Room 10, Green Hall, beginning on May 24 Monday through Wednesday 8:30-3:00 p.m. and Thursday 12:30-8:30 p.m.

*Please note: Graduate students not enrolled with the Graduate Division should follow graduate admission procedure, on the following pages.

**After May 14, 1982 faculty advisers may not be available on a regular basis; however, students may secure advisement after this date from the Graduate Office if they are unable to reach their adviser.

GRADUATE REGISTRATION DEADLINES

READ CAREFULLY THE REGISTRATION DEADLINES BELOW
Final Registration Dates Vary According to Specified Schedules.
No Registration Can be Accepted After the Deadlines Stated.

MAIL REGISTRATION
April 12-May 21

Please note: Mail registration cannot be accepted beyond the postmark date of May 21.

IN-PERSON REGISTRATION BEGINS
May 24

8:30-3:00 p.m. Monday through Wednesday
12:30-8:30 p.m. Thursday

For classes beginning on
May 24-June 3
June 7

In-person registration.
Late registration ($15 late registration fee)

For classes beginning on
May 24-June 17
June 21, 22, 23

In-person registration.
Late registration ($15 late registration fee)

For classes beginning on
May 24-June 24
June 28, 29

In-person registration.
Late registration ($15 late registration fee)

For classes beginning on
May 24-July 29
August 2

In-person registration.
Late registration ($15 late registration fee)

GRADUATE ADMISSION PROCEDURES

REQUIREMENTS AND PROCEDURES FOR ADMISSION TO THE GRADUATE DIVISION
1. Students not intending to enroll in a degree program at Trenton State College Graduate Division must:
   a. possess a bachelor's degree from an accredited college or university in the United States, or proof of equivalent preparation at a foreign university;
   b. complete form G500d, Applications for Admission to the Graduate Division as an Unclassified (Non-Degree) Student. It is imperative that the information be complete and accurate;
   c. include an official transcript of the undergraduate record with the admission application or forward it to the Graduate Office immediately after filing the application; and
   d. pay a non-refundable application fee of $10. (Make checks payable to Trenton State College.)

2. Students intending to enroll in a degree program at Trenton State College Graduate Division must:
   a. possess a bachelor's degree from an accredited college or university in the United States, or proof of equivalent preparation at a foreign university;
   b. have a minimum general cumulative undergraduate average of 2.75 (on a 4 point scale) or a minimum undergraduate average of 3.0 (on a 4 point scale) in the field of the proposed program of graduate study;
      (Please Note: A student whose undergraduate average does not meet the minimum requirements is required to take the Aptitude Test of the Graduate Record Examination.)
   c. complete 2 copies of Form G501d, Application for Matriculation in a Graduate Degree Program; it is imperative that the information be complete and accurate;
   d. include transcripts of all previous college or university work (including the undergraduate record showing the date of conferral of the bachelor's degree) with the application or forward these to the Graduate Office immediately after filing the application; and
   e. pay a non-refundable application fee of $10. (Make checks payable to Trenton State College.)
   f. All persons seeking to matriculate in the Master of Science in Management program must present scores from the General Management Admission Test (GMAT) in addition to the four-page application and college transcripts. Admission to this program is highly selective.

Please note:
Applications for matriculation should be submitted by May 10, 1982, in order to be processed for June enrollment.

A maximum of 6 credits of graduate work taken at Trenton State College as a non-degree student may be credited toward the master's degree, provided the work was completed no earlier than six years prior to the date of matriculation.

In all cases, the student assumes the responsibility for knowing and meeting the various regulations and procedures as stated in the annual Graduate Bulletin. For detailed information, contact the Graduate Office, Room 119 in Green Hall, phone (609) 771-2111.

Procedures for Applying for Matriculation in a Graduate Program
In order to complete a graduate program leading to a master's degree the student must apply for, and be matriculated in a prescribed program of study. The general requirements and procedures for matriculation must be observed. In all cases, the student assumes responsibility for knowing and complying with the various regulations and procedures as stated in the annual Graduate Bulletin. The specific steps to be observed in applying for matriculation are as follows:

1. Two copies of Form G501d, Application for Matriculation in a Graduate Degree Program, must be completed and returned to the Graduate Office with a check
Applications for Matriculation must be submitted by May 10, 1982.

Applications received after the deadline may not be processed in time for June enrollment. Applicants are urged to file early.

2. Transcripts of all previous college or university work, including the undergraduate record showing the date of conferral of the bachelor's degree, must be forwarded to the Graduate Office with, or immediately following the application for matriculation. Photostatic copies of the standard teaching certificate must be submitted by all applicants to Master of Education (M.Ed.) programs except as noted under matriculation requirements.

3. When the transcript of the undergraduate record is received in the Graduate Office, the candidate with a satisfactory cumulative average will be notified that his or her application for matriculation has been approved. At this time, the candidate will also be notified of an adviser and will receive a control sheet listing the requirements of the graduate program.

4. When transcripts of the undergraduate records are received in the Graduate Office, the candidates with an unsatisfactory cumulative average will be notified that they are required to take the Aptitude Test of the Graduate Record Examinations. The test should be taken on the first scheduled date following the receipt of this letter.

5. When the scores of the Aptitude Test of the Graduate Record Examinations are received in the Graduate Office, the candidates who present satisfactory scores will be notified that the applications for matriculation have been approved. At this time, the candidates will also be notified of advisers and will receive control sheets listing requirements of the graduate program. Candidates who present unsatisfactory scores will be so notified. They may re-apply through the deferred matriculation plan under certain conditions. When the scores of the Graduate Management Admissions Test are received in the Graduate Office, an admissions committee will review each applicant's credentials for possible admissions.

6. A student who wishes to re-apply under the deferred matriculation plan should contact the Graduate Office for an appointment to outline a program of 12 hours of study (at least 6 credits in the major field, and at least 3 hours outside of the major field). Upon the completion of these hours of study, the student will be required to present an application and supporting evidence which demonstrates ability to perform competently at the graduate level to the Graduate Office. The dean of graduate study and the graduate program supervisor will review all evidence and make a decision relating to possible matriculation. If the application is approved, a maximum of 12 credits of appropriate course work of A and B grades taken at Trenton State prior to matriculation may be accepted toward the student's degree program.

All students are required to submit all credentials and to complete the matriculation process within a six-month period from the date of application. Applications of students who fail to comply with this requirement may be inactivated, and it would be necessary for students to refile applications with all required credentials, if they desire to matriculate in a graduate program.

A maximum of 6 hours of appropriate graduate work taken at Trenton State College as a non-matriculated student may be credited toward the master's degree, provided the work was completed no earlier than six years prior to date of matriculation. Under no circumstances will exceptions be made to the maximum stated in this policy.
Biology

BIO 593A/Coastal Plain Ecology* 1 cr. (5 class hours and 20 laboratory hours)
Prerequisite: BIO 261 or equivalent
Acquaints students with the ecology of one of the major land areas of New Jersey. Predominantly field studies, but lecture and student seminars will also be employed to investigate Pine Barrens, cedar swamp and salt marsh environments.
8/11-6/13 Preliminary Meeting:
CH 215 6/7, 1900
Class #8001 Instructor: Heck
8/6-8/8 Preliminary Meeting:
CH 215 7/26, 1900
Class #8002 Instructor: Heck

BIO 593B/Ecology of New Jersey's Highlands* 1 cr. (5 class hours and 20 laboratory hours)
Prerequisite: BIO 261 or equivalent
A study of one of the oldest land areas of New Jersey. Emphasis is placed on field investigations of the ecology of the valleys and ridges of Appalachian New Jersey.
6/25-6/27 Preliminary Meeting:
CH 215 6/21, 1900
Class #8003 Instructor: Heck

BIO 593C/Introduction to Freshwater Algae* 1 cr. (25 laboratory hours)
Prerequisite: BIO 183-184 or BIO 181-182 or permission of instructor
A field and laboratory course (no lecture). Sampling of freshwater algae; flora of lakes, ponds, rivers and steams in the vicinity of the laboratory.
7/30-8/1 Preliminary Meeting:
CH 217 7/28, 1900
Class #8005 Instructor: Shevlin

BIO 597/Advanced Topics in Biology 4 cr. Topic: Microbiology Ecology
6/21-8/13 MTW 1800-2100
NU 111 Instructor: Rose
Class #8007

BIO 697/Independent Study in Biology 1-3 cr.
In-depth exploration of a topic within a specific area of the discipline involving supervised reading, research, and regular conferences with the faculty adviser.
Hours: TBA
Class # BIO 697A 8009
Class # BIO 697B 8011

Computer Science

CSC 520/Fundamentals of Computer Programming 3 cr.
A first course in computer programming for graduate students with a sophisticated mathematical background. An algorithmic computer programming language such as FORTRAN or PLI will be taught assuming no prior knowledge, and used to program computational solutions of mathematical problems.
6/21-7/30 MTR 1930-2145
HH 117 Instructor: Staff
Class #8041

English

ENG 507/Applied English Linguistics 3 cr.
Studies in structuralism, transformationalism, stylistics, prosody and other topics in modern linguistics. This course is approved for bilingual certification.
6/28-7/30 MTR 1645-1925
HH 372 Instructor: Waterhouse
Class #8091
ENG 550/Seminar in Poetry 3 cr.
The study and analysis of representative poems and poets to develop understanding, appreciation and mature assessment of poetic theory and practice.
6/28-8/5 MTR 0800-1040
HH311 Instructor: Brown
Class #8093

ENG 570/Studies in Literature 3 cr.
Focuses on a different topic each semester, e.g. expatriate writers of the 1920's; critical approaches to several Shakespearean plays; feminist trends in contemporary literature.

Topic: Literature As A Social Institution
6/28-8/5 MTR 1045-1325
HH372 Instructor: Liddle
Class #8095

Topic: Contemporary Women's Literature
6/28-7/30 MTR 1340-1620
HH316 Instructor: Friedman
Class #8097

ENG 697/Independent Study 1-3 cr.
In English
In-depth exploration of a topic within a specific area of the discipline involving supervised reading, research and regular conferences with the faculty adviser.
Hours: TBA
Class # ENG 697A 8099
Class # ENG 697B 8101
Class # ENG 697C 8103
Coordinator: Levin

ENG 698/Department Project 3 cr.
In English
A critical independent study of an aspect of English of interest to the student that is explored under faculty guidance. Open only to students matriculated in the English education program.
Hours: TBA
Class #8105
Coordinator: Levin

ENG 699/Thesis/Creative Project in English
An original research of creative study under the guidance of a thesis committee approved by the graduate dean. Open only to students matriculated in the English education program.
Hours: TBA
Class #8107
Coordinator: Levin

Music

MUS 521/Materials for Band 2 cr.
Defining, evaluating, organizing sequentially and creating materials for specific situations. Students develop personalized lists to meet their situation. Perusal of a wide variety of materials.
6/28-7/30 MTR 1200-1350
BR124 Instructor: Isch
Class #8169

MUS 561/Band Development I 2 cr.
Corequisite: MUS 590
Presents an innovative specific teaching process for the band instruments which applies equally for class, small group, or private instruction of either homogeneous or heterogeneous groups. Diagnostic aspects of the teaching process are emphasized.
6/28-7/30 MTR 1400-1550
BR124 Instructor: Isch
Class #8223

MUS 570/Advanced Conducting I 2 cr.
A preliminary course in interpretative conducting. Actual muscular expression developed within previously learned beat patterns. New appropriate expressive conducting movements of use to music educators as well as for professional work included.
6/28-7/30 MTR 1200-1350
BR120 Instructor: Harrison
Class #8225

History

HIS 697/Independent Study in History 3 cr.
In-depth exploration of a topic within a specific area of the discipline involving supervised reading, research and regular conferences with the faculty adviser.
Hours: TBA
Class # HIS 697A 8123
Class # HIS 697B 8124
Class # HIS 697C 8125
Coordinator: Karras

HIS 698/Department Project in History 3 cr.
A critical independent study of an aspect of history of interest to the student that is explored under faculty guidance. Open only to matriculated students in the social studies program.
Hours: TBA
Class #8126
Coordinator: Karras

HIS 699/Thesis/Creative Project in History 6 cr.
Original research or creative study under the guidance of a thesis committee approved by the graduate dean. Open to matriculated students in the social studies program.
Hours: TBA
Class #8127
Coordinator: Karras

History
MUS 578/Advanced Workshop 1 cr.
in Music Education: Special Education
Focus upon processes of teaching as they apply to specialized areas of music education. Demonstrations of modern teaching techniques, devices and materials, diagnostic clinics, performances, chamber music experiences and individualized projects.
7/12-7/16 MTWRF 0830-1130
BR128 Instructor: Copeland
Class #8227

MUS 580/Advanced Workshop 1 cr.
in Music Education: Arrangement
Focus upon processes of teaching as they apply to specialized areas of music education. Demonstrations of modern teaching techniques, devices and materials, diagnostic clinics, performances, chamber music experiences and individualized projects.
7/19-7/30 MTR 0840-1130
BR128 Instructor: Batchelor
Class #8229

MUS 664/Choral Development 3 cr.
Emphasis upon functional contributions the various schools of choral performance have made as approaches to building choral music programs. Physical and aesthetic values of choral experiences are discussed, diagnosed, compared and evaluated in a laboratory situation.
6/28-7/30 MTR 1340-1600
BR120 Instructor: Harrison
Class #8285

MUS 670/Advanced Conducting II 2 cr.
Advanced interpretative conducting. Emphasis on application of skills developed in Devices of Musical Force" and "Developing Interpretative Insights."
6/28-7/30 MTR 1400-1500
BR126 Instructor: Eicher
Class #8287

MUS 691/Seminar in Public School 3 cr.
Music Curriculum
Study of the music curriculum and various techniques of curriculum construction. Goals and objectives for each music learning experience K-12. Individualization, scheduling, facilities, improvement of instruction, staff relations. May be used to fulfill State Department of Education requirement for curriculum study for the certification of Supervisors of Music.
6/28-7/30 MTR 1600-1830
BR126 Instructor: Eicher
Class #8289

MUS 697/Independent Study 2 cr.
(Open to M.A. and M.Ed. Candidates)
Study in depth of a specific musical sub-
ject area selected after consultation between the student and the Supervisor of Graduate Music. Prerequisites to be determined for each enrollee by the Supervisor of Graduate Music and a faculty member possessing expertise and interest in the specific area of study.
Hours: TBA
Class # MUS 697A 8291
Class # MUS 697B 8293
Class # MUS 697C 8295
Coordinator: Rittenhouse

MUS 698/Department Project 3 cr.
in Music
(Open to M.A. and M.Ed. Candidates)
Required of candidates who wish to present a recital, conducting performance, musical composition or innovative teaching as their final project, and the written diary. The Supervisor of Graduate Music appoints a committee to assist each candidate with the project.
Hours: TBA
Class # MUS 798A 8297
Class # MUS 798B 8299
Coordinator: Rittenhouse

MUS 699/Thesis/Creative Project in 6 cr.
Music Education
(Open to M.A. and M.Ed. Candidates)
(3 class hours for each of two semesters)
An original research or creative study under the guidance of a thesis committee approved by the graduate dean.
Hours: TBA
Class # 8301
Coordinator: Rittenhouse

Physics

PHY 556/Science In Industry 3 cr.
Prerequisites: General college physics and general college chemistry
Chemical and physical principles applied in modern technology as shown in a number of industrial plants and public utilities. Approximately ten afternoon field trips at student expense are an integral part of the course.
6/28-7/29 MTW 1300-1600
CH113 Instructor: Pregger
Class #8315

PHY 698/Department Project in 3 cr.
Science Education (Physical Science, General Science)
A critical independent study of an aspect of science education (physics) of interest to the student that is explored under faculty guidance. Open only to students matriculated in the science education pro-
Political Science

POL 509/Communication in Administration
Communication theories as related to organization theories and to practice in administration. Specifics include: Information networks, perceptions, processes of persuasion and attitude change; writing and analysis of reports; speaking and listening in administration; disseminating information; manuals and house organs; public relations; advertising; mass media; ethics in communication.
6/28-7/30 TR 1800-2210 HH256 Instructor: Maxwell
Class #8319

POL 697/Independent Study in Political Science
In-depth exploration of a topic within a specific area of the discipline involving supervised reading, research and regular conferences with the faculty adviser.
Hours: TBA
Class #POL 697A 8321
Class #POL 697B 8323
Class #POL 697C 8325
Coordinator: Fair

POL 698/Department Project in Political Science
Prerequisite: Permission of the department chairperson
A critical independent study of an aspect of political science of interest to the student, that is explored under faculty guidance. Open only to students matriculated in the social studies program.
Hours: TBA
Class #8327
Coordinator: Fair

POL 699/Theesis/Creative Project in Political Science
An original research or creative study under the guidance of a thesis committee approved by the graduate dean. Open only to students matriculated in the social studies program.
Hours: TBA
Class #8329
Coordinator: Fair

Psychology

PSY 513/Psychology of Learning 3 cr.
Prerequisite: A reasonably recent undergraduate course in introductory psychology
Leading theories of learning and their experimental bases. Analysis of the role of learning in perception, motivation and personality development.
6/28-7/30 MTR 1645-1925 EB411 Instructor: Vidler
Class #8331

PSY 643/Measurement and Evaluation 3 cr.
Prerequisite: SPG 515 or permission of psychology chairperson
Introduction to basic testing theory and practice. Evaluation of standardized instruments commonly used in education, psychology and guidance. Discussion of ethical considerations and current issues. This course requires a working knowledge of descriptive statistics.
6/28-7/30 MTWR 1030-1230 EB411 Instructor: Gorczynski
Class #8333

PSY 697/Independent Study in Psychology 1-3 cr.
In-depth exploration of a topic within a specific area of the discipline involving supervised reading, research and regular conferences with the faculty advisor.
Hours: TBA
Class #PSY 697A 8335
Class #PSY 697B 8337
Class #PSY 697C 8339
Coordinator: Campbell

Sociology

SOC 504/The Community: Its Social and Organizational Structure 3 cr.
Prerequisite: SOC 101 Introductory Sociology, or equivalent
The structure and dynamics of formal and institutional aspects of the community. Economic, political, religious, racial and ethnic, status, cultural and ameliorative forces and their effects upon the young. Particular attention directed to voluntary community agencies aiming to serve families. Field work is required. Visits to agencies will be made, some of which will be on Saturday mornings.
6/28-7/30 MTR 1045-1325 BR 125 Instructor: Staff
Class #8431

SOC 505/Social Pathology and the Student 3 cr.
Family tensions, neighborhood deterioration, poverty and dependency, vice and
crime, racial and ethnic conflict, excessive mobility and alcoholism and drug addiction which contribute to socially and emotionally disturbed children and youth. Attention to the amelioration of these problems and more positive adaptation.

SOC 697/Independent Study in Sociology
In-depth exploration of a topic within a specific area of the discipline involving supervised reading research and regular conferences with the faculty adviser.
Hours: TBA
Class #SOC 697A 8435
Class #SOC 697B 8437
Class #SOC 697C 8439
Coordinator: Anderson

BUSINESS

Business Education
See also: Management Economics

BUS 500/Workshop in Business and Distributive Education 2 cr.

Speedwriting Shorthand
This course, co-sponsored by the School of Business and Economics and Bobbs-Merrill Educational Publishing, introduces the fundamental principles of Speedwriting to business teachers with emphasis on development, theory, and instruction methodology. Applicable research on this alphabetic shorthand system will be identified.

Alphabetic shorthand is being offered as a course in high schools and post-secondary schools in increasingly large numbers. It satisfies the need for an easy-to-learn system, high skill attainment in a short period of time, and a low attrition rate.

Emphasis in this special workshop will be on the teaching of a one-year course in Speedwriting. The workshop is offered as a retraining of shorthand teachers presently using a symbolic shorthand system. It will also benefit teachers with no shorthand background who need an introduction to the teaching of an alphabetic shorthand system.

6/28-7/30 MTR 1340-1620
BL128 Instructor: Robboy
Class #8433

SOC 698/Department Project in Sociology 3 cr.
A critical independent study of an aspect of sociology of interest to the student that is explored, under faculty guidance. Open only to students matriculated in the social studies program.
Hours: TBA
Class #8441
Coordinator: Anderson

SOC 699/Thesis/Creative Project in Sociology 6 cr.
An original research or creative study under the guidance of a thesis committee approved by the graduate dean. Open only to students matriculated in the social studies program.
Hours: TBA
Class #8443
Coordinator: Anderson

BUS 515/Personnel Management 3 cr.
In-depth analysis of factors related to the management of personnel. Representative topics include: planning, staffing, developing and evaluating personnel, quality of work life, labor relations, and personnel research. Current problems, issues, and trends are also examined.

6/28-7/30 TR 1800-2210
BL234 Instructor: Singh
Class #8023

BUS 520/Business Information Processing Systems 3 cr.
Special Schedule see p. 55.

BUS 529/Modern Office Technology 3 cr.
Familiarizing students with the recent changes in office technology with a theoretical as well as a practical hands-on approach. Includes a study of costs, criteria for selection, and evaluation of equipment.

6/28-7/30 MTR 1340-1620
BL28 Instructor: Prant
Class #8027

BUS 550/Principles of Vocational and Career Education 3 cr.
Survey of the basic history, philosophy and principles employed in the vocational and career education program with emphasis on distributive education.

6/28-7/30 MTR 0800-1040
BL228 Instructor: Shenker
Class #8029
BUS 680/Seminar in Improvement of Instruction in the Social Business Subjects
Analysis of practices, problems and current trends in the teaching of social business subjects. Examination of teaching strategies and materials.
6/28-7/30 MTR 1045-1325 BL229 Instructor: Gaston
Class #8031

BUS 697/Independent Study in Business and Distributive Education
In-depth exploration of a topic within a specific area of the discipline involving supervised reading, research and regular conferences with the faculty adviser.
Hours: TBA
Class #BUS 697A 8033
Class #BUS 697B 8034
Class #BUS 697C 8035
Coordinator: Everard

BUS 698/Department Project in Business and Distributive Education
A critical independent study on an aspect of business or distributive education of interest to the student that is explored under faculty guidance. Open only to students matriculated in the business and distributive education program.
Hours: TBA
Class #8037
Coordinator: Everard

BUS 699/Thesis/Creative Project in Business and Distributive Education
An original research or creative study under the guidance of a thesis committee approved by the graduate dean. Open only to students matriculated in the business and distributive education program.
Hours: TBA
Class #8039
Coordinator: Everard

Management
See also: Business; Economics

MGT 660/Government and Business
Prerequisite: Permission of the management program supervisor
Analysis of the impact of laws and other government action upon business. Designed to help the manager cope with the various administrative agencies created by the local, state and federal governments for the regulation of business and industry.
6/7-7/15 MTR 1800-2040 BL128 Instructor: Breslin
Class #8159

MGT 697/Independent Study in Management
Prerequisite: Permission of the management program supervisor
A critical independent study on the aspect of management of interest to the student that is explored under faculty guidance.
Hours: TBA
Class #MGT 697A 8161
Class #MGT 697B 8163
Class #MGT 697C 8165
Coordinator: Everard

MGT 699/Thesis/Creative Project in Management
Prerequisite: Permission of the management program supervisor
An original research or creative study under the guidance of a thesis committee approved by the graduate dean. Open only to matriculated graduate students with a concentration in management.
Hours: TBA
Class #8167
Coordinator: Everard

School of Industrial Education and Engineering Technology

IET 581/Industrial Education Workshop (Pedal Power)
A study of the design and utilization of the bicycle as a stationary power source as well as a transportation system for both goods and people. Prototype fabrication will be included.

IET 585/Cooperative Industrial Seminar
Advanced study and research in industrial plants and industrial training institutes. Opportunity for advanced study in contemporary industrial facilities not otherwise available to industrial arts teachers.
Hours: TBA
Class #IET 8142
Coordinator: Asper

S.I.E.E.T.
IET 697/Independent Study in Industrial Education
In-depth exploration of a topic within a specific area of the discipline involving supervised reading, research and regular conferences with the faculty adviser.
Hours: TBA
Class # IET 697A 8143
Class # IET 697B 8145
Class # IET 697C 8147
Coordinator: Asper

EDUCATION

Early Childhood Education

ECE 504/Teaching Young Children 3 cr.
6/28-7/30 MTR 0800-1040
EB202 Instructor: Staff
Class # 8043

ECE 697/Independent Study in Early Childhood Education var cr.
In-depth exploration of a topic within a specific area of the discipline involving supervised reading, research and regular conferences with the faculty adviser.
Hours: TBA
Class # ECE 697A 8045
Class # ECE 697B 8047
Class # ECE 697C 8049
Coordinator: Harned

Educational Field Experiences

SEC 514/Curriculum Theory and Practice 3 cr.
The contemporary public school curriculum from the primary through the secondary levels including social and educational foundations, basic factors in design, and common organizational patterns. This course is required and accepted by the New Jersey State Department of Education toward administrative or supervisory certificates.
6/28-7/30 MTR 0800-1040
EB203 Instructor: Evangelisto
Class #8365

IET 698/Department Project in Industrial Education
A critical independent study of an aspect of industrial education of interest to the student that is explored under faculty guidance. Open only to students matriculated in the industrial education program.
Hours: TBA
Class #8149
Coordinator: Asper

SEC 520/Staff Supervision 3 cr.
Prerequisite: Two years of teaching experience and twelve hours of graduate study
A study of the objectives, techniques and materials of staff supervision. Examination of the supervisory function toward improvement of instruction. The nature of contemporary supervision, interpersonal relations and the supervisor as a change agent. This course is required and accepted by the New Jersey State Department of Education toward administrative or supervisory certificates.
6/28-7/30 MTR 0800-1040
EB201-2 Class #8369
EB201-2 Class #8371
Instructor: Schwartz
Instructor: Wright

SEC 522/Supervision in the Secondary School 3 cr.
Prerequisite: SEC 520 or permission of instructor
A study of supervisory competencies directed toward the implementation of instruction in the secondary school. The principles of secondary school supervision, organizational skills, leadership in curriculum design, implementation and strategies for assessing instruction will be synthesized.
This course is accepted by the New Jersey State Department of Education toward administrative or supervisory certificates.
6/28-7/30 MTR 0800-1040
EB211 Class #8373
Instructor: Staff

SEC 525/Introduction to Educational Administration 3 cr.
A comprehensive overview of the field of educational administration furnishes guidelines for professional career guidance in the administrative field. An examination of
the objectives, techniques and materials of educational administration will be made in order to assist the prospective school administrator in administrative leadership. This course is accepted by the New Jersey State Department of Education toward principal and school administrator certificates.

6/28-7/30 MTR 1045-1325
EB210 Instructor: Staff
Class #8375

SEC 530/Secondary School Curriculum
Prerequisite: SEC 514 or permission of instructor
A competency-based inquiry-oriented experience wherein the participant engages in the process of building a curriculum for secondary schools. Using data gleaned from background readings, personal experiences and interaction with others, the individual examines past and present curricular patterns, then designs new or modified patterns to meet the challenge of a total society in continual change.

This course is accepted by the New Jersey Department of Education toward administrative or supervisory certificates.

6/28-7/30 MTR 0800-1040
EB210 Instructor: Wright
Class #8379

SEC 581/Discipline in the Classroom: A Reality Therapy Model
An examination of a specific approach to discipline. It differentiates between discipline and punishment, and examines the role of power and authority as related to discipline. Emphasis is placed on ways to create an environment that encourages the growth of responsible student behavior in school and on ways to help students learn self-discipline.

6/2-8/13 MTR 0800-1600
EB319 Instructor: Wright
Class #8381

SEC 697/Independent Study in Educational Field Experiences
In-depth exploration of a topic within a specific area of the discipline involving supervised reading, research and regular conferences with the faculty adviser.

Hours: TBA
Class #SEC 697A 8383
Class #SEC 697B 8385
Class #SEC 697C 8387
Coordinator: Schwartz

A synthesis of the contributions to education from the basic disciplines of history, philosophy, anthropology, psychology, religion, sociology, economics and political science.

6/28-7/30 MTR 1045-1325
EB101 Instructor: Carroll
Class #8051

EDF 516/History of Education in The United States
American educational points of view and practices from colonial times to the Civil War to the present.

6/28-7/30 MTR 1045-1325
EB208 Instructor: Messina
Class #8053

EDF 520/Social Problems and Education
Brief analysis of some modern social problems: crime, poverty, race conflict, family disintegration, etc., and the role that education might assume in proposed solutions.

6/28-7/30 MTR 1340-1620
EB208 Instructor: Morrison
Class #8055

EDF 555/Education for Aging
A course designed to consider the role of education in meeting the needs, problems and challenges of growing old. Attention is focused upon why and how the older adult must and can become a lifelong learner. Additionally, the student will discover the manner by which other age-groups, particularly those from K-12 grade, can learn about the myths and realities of the elderly and/or the process of aging.

6/28-7/30 MTR 0800-1040
EB208 Instructor: Messina
Class #8057

EDF 578/English as a Second Language for the Bilingual Teacher
The rationale, theories and techniques of teaching E.S.L. will be identified and studied so that the student will become knowledgeable in these areas and may apply these understandings to teaching in the bilingual-bicultural program when necessary. This course is approved for bilingual certification.

6/28-7/30 MTR 1645-1925
EB208 Instructor: Rojas
Class #8059

EDF 581/Puerto Rican Students in Urban Mainland Schools
Analysis of the experience of Puerto Rican students in mainland schools, their social and cultural background, the tensions of migration and the problems of bilingual education.

6/28-7/30 MTR 1935-2215
EB208 Instructor: Rojas
Class #8061
EDF 583/Practicum in Urban School 3 cr. and Community
On-site experiences arranged for students in government and interaction group related institutions and agencies in the community. Period of eight weeks arranged to fit the schedule of participating student.
6/28-7/30 MTR 1645-1925
EB202 Instructor: Morrison
Class #8063

EDF 600/Introduction to Research 3 cr.
Intended for graduate students in education. Should be taken early in the graduate program. Emphasis is on understanding and interpreting research studies. Examines basic research design, library search strategy and certain statistical concepts.
6/28-7/30 MTR 1340-1620
EB210 Instructor: Yengo
Class #8065
6/28-7/30 MTR 1645-1925
EB210 Instructor: Charlton
Class #8067

EDF 697A/Independent Study in var. Bilingual Education
In-depth exploration of a topic within a specific area of the discipline involving supervised reading, research, and regular conferences with the faculty adviser.
Hours: TBA
Class #8069
Coordinator: Charlton

EDF 697B/Independent Study in var. Educational Foundations
In-depth exploration of a topic within a specific area of the discipline involving supervised reading, research and regular conferences with the faculty adviser.
Hours: TBA
Class #8071
Coordinator: Rojas

EDF 697C/Independent Study in var. Urban Education
In-depth exploration of a topic within a specific area of the discipline involving supervised reading, research and regular conferences with the faculty adviser.
Hours: TBA
Class #8073
Coordinator: Rojas

EDF 698/Departmental Project in var. Urban Education
Students who already teach in an urban school and who wish to learn more or address themselves to some problem facing the urban school may elect to develop information or propose solutions. Interested students should consult their advisers. Open only to students matriculated in the urban education program.
Hours: TBA
Class #8075
Coordinator: Carroll

EDF 699/Thesis/Creative Project in var. Urban Education
An original research or creative study under the guidance of a thesis committee approved by the graduate dean. Open only to students matriculated in the urban education program.
Hours: TBA
Class #8077
Coordinator: Carroll

Elementary Education
See also: Reading; Early Childhood Education

ELM 530/Exploring Children's Literature: An Educator's Perspective
A multi-dimensional and multi-media approach to children's literature with extensive reading, critical examination, selection, and evaluation. Emphasis will be on: children's books and story presentation strategies as related to children's needs and interests at various age levels; historic trends, research, and the influence and utilization of literature upon the academic, social and emotional growth of the child.
6/28-7/30 MTR 1045-1325
EB319 Instructor: Staff
Class #8079

ELM 550/Supervision in Elementary 3 cr.
Education
An analysis of the responsibilities and services of elementary school supervisors based upon the goals, structure, curriculum, faculty, students and resources of elementary schools today.
6/28-7/30 MTR 1645-1925
EB320 Instructor: Staff
Class #8081

ELM 555/Advanced Study in 3 cr.
Elementary School Curriculum
A course designed to analyze, plan, develop and evaluate the modern elementary school curriculum. Emphasis will be placed upon bases for decision making, processes for curriculum evaluation and improvement, and emerging developments in elementary school curriculum.
6/28-7/30 MTR 1045-1325
EB209 Instructor: Staff
Class #8083

45
ELM 663 /Advanced Trends in Elementary Education  
3 cr.  
Prerequisite: EDF 600  
Critical analysis of recent research and experimentation of present and future trends in elementary education. Topics emphasized are (1) innovations in modern school and classroom design; (2) recent developments in curriculum areas; (3) present trends in evaluation, measurement, and promotion; and (4) controversial philosophies concerning heterogeneous grouping, departmentalization, team teaching, programmed instruction, etc.  
6/28-7/30  
MTR 0800-1040  
EB349  
Instructor: Staff  
Class #8085

ELM 698 /Department Project in Education  
3 cr.  
A critical independent study of an aspect of Education of interest to the student that is explored under faculty guidance. Open only to students matriculated in the elementary education programs.  
Hours: TBA  
Class #8087  
Coordinator: Harned

ELM 699 /Thesis/Creative Project in Education  
6 cr.  
An original research or creative study under the guidance of a thesis committee approved by the graduate dean. Open only to students matriculated in the elementary education programs.  
Hours: TBA  
Class #8089  
Coordinator: Harned

Health Education  
See also: Physical Education; Safety

HED 551 /Alcohol and Narcotics  
3 cr.  
Education  
Drug dependencies and their effect on the individual, school and society. The use, misuse and abuse of a variety of mood modifying substances is studied with particular emphasis on alcohol and other drugs of abuse. Implications for drug education in public schools is included.  
6/21-7/15  
MTWR 1700-1930  
NU323  
Instructor: Fassbender  
Class #8109

HED 552 /Health Science  
3 cr.  
Recent problems, concepts and advances in the areas of personal and community health and in the selection, investigation and application of modern techniques of classroom teaching to the health sciences.  
6/28-7/30  
MTR 1340-1620  
PA101  
Class #8111  
Instructor: Chilakos

HED 553 /Drugs in Society  
3 cr.  
This course explores the trends and practices of drug abuse as they are found in contemporary society. Behaviour patterns in relation to use and abuse of drugs are identified and evaluated. Analysis of drug consumer will be viewed from the biological, medical and psychosocial aspects. Roles of professionals in these areas and appraisal of the latest research will be investigated.  
6/28-7/30  
MTR 1045-1325  
NU111  
Instructor: Chilakos  
Class #8113

HED 554 /Curriculum and Program Construction in Health Education  
3 cr.  
Selection and adaptation of a comprehensive health education program for children of various age levels. Desirable content for health units and administrative considerations.  
6/28-7/30  
MTR 0800-1040  
NU324  
Instructor: Fassbender  
Class #8115

HED 555 /Seminar on Aging, Death and Dying  
3 cr.  
The course is designed to explore all aspects relating to aging and death in contemporary America. Examination of roles of various professionals and current research trends related to the topics will be emphasized. Formulation of realistic plans for living through education about death will be a primary area of focus.  
6/28-7/30  
MTR 1045-1325  
NU324  
Instructor: Herzstein  
Class #8117

HED 655 /Sex Education and Family Living  
3 cr.  
Individual study of personal and family living. Development of increased knowledge and competence in the use of such knowledge in teaching. Development of teaching materials, analysis of tests and other resources.  
6/28-7/30  
MTR 1645-1925  
EB134  
Instructor: Brown  
Class #8119

Health Education, Physical Education, Recreation and Safety  

HPE 697 /Independent Study in Health, Physical Education, Recreation and Safety  

In-depth exploration of a topic within a specific area of the discipline involving su-
supervised reading, research, and regular conferences with the faculty adviser.

Hours: TBA
Class #HPE 697A 8131
Class #HPE 697B 8133
Class #HPE 697C 8135
Coordinator: Medve

HPE 698/Department Project in Health, Physical Education, Recreation and Safety
An independent study of an aspect of health, physical education, recreation and safety of interest to the student that is explored under faculty guidance. Open only to students matriculated in the health and physical education program.

Hours: TBA
Class #8137
Coordinator: Medve

HPE 699/Theesis in Health, Physical Education, Recreation and Safety
Original research under the guidance of a thesis committee approved by the graduate dean. Open only to students matriculated in the health and physical education program.

Hours: TBA
Class #8139
Coordinator: Medve

PED 510/The Teaching and Planning of Physical Education in the Elementary School
Study and evaluation of recent concepts and practices in the planning and teaching of physical education. Emphasis is placed upon the function of physical education in the elementary grades.

6/28-7/30 MTR 1045-1325
East Gym
Class #8303
Instructor: Rada

PED 511/Curriculum and Program Construction in Physical Education
Selection and adaption of physical education activities for children of various age levels with emphasis upon objectives, pupil classification. Criteria formulated for the scientific evaluation of activity programs.

6/21-7/30 MTR 1700-1915
PA103
Class #8305
Instructor: Williams

PED 539/Advanced Theory and Techniques in Basketball
Investigation and application of recent information on theory, techniques, teaching and administrative procedures as they relate to basketball.

6/7-6/18 MTWRF 1800-2030
Gyms I&II
Class #8307
Instructor: Oshel

PED 541/Advanced Theory and Techniques in Golf
Investigation and application of recent information on theory, techniques, teaching and administrative procedures as they relate to golf.

6/7-6/18 MTWRF 1530-1800
Class #8309
Instructor: Oshel

PED 543/Advanced Theory and Techniques in Sports and Activities—Racquet sports
Investigation and application of recent information on theory, techniques, teaching and administrative procedures as they relate to the racquet sports. Special emphasis will be placed on tennis, badminton and squash. The opportunity to increase individual skills through active participation is also provided.

6/7-6/18 MTWRF 1730-2000
East Gym
Class #8311
Instructor: Brink

PED 603/Problems and Issues in Physical Education
Current problems in physical education

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Media Communication Science

MCS 597/Advanced Topics in Media
An advanced course devoted to an in-depth study of current or specialized topics selected by the faculty and approved by the department.

6/28-7/30 MTR 1045-1325
LE218
Class #8151
Instructor: Warner

MCS 697/Independent Study in Media Communications
In-depth exploration of a topic within a specific area of the discipline involving supervised reading, research and regular conferences with the faculty adviser.

Hours: TBA
Class #MCS 697A 8153
Class #MCS 697B 8155
Class #MCS 697C 8157
Coordinator: Kaplowitz
including an objective analysis of the claims for and benefits of physical education activities.

6/28-7/30
EB134
Class #8313

PED 690/Professional Seminar 3 cr.
A culminating experience for the graduate student in health and physical education. Includes discussions and lectures with guest speakers, emphasis upon probable trends and future responsibilities of the individual and the profession.

6/28-7/30
EB134
Class #8313

Reading
See also: Early Childhood Education; Elementary Education

RDG 570/Corrective Techniques in Reading
Prerequisite: an undergraduate or graduate course in the methods of teaching reading
Considers the basic principles for a corrective reading program, methods of preventing reading difficulties, and methods and materials used in dealing with corrective problems, causes of poor reading and deficiencies in specific skills. (This course may not be accepted for credit in the Developmental Reading Program.)

6/28-7/30
EB423
Class #8341

RDG 571/Language and the Teaching of Reading
Prerequisite: an undergraduate or graduate course in the methods of teaching reading
Corequisite: actively engaged in working with children and youth
Place of language in the cultural system: linguistics as an academic discipline; its organization, investigative methods and specialized terminology; examination of linguistic concepts significant for a reading program; analysis of American English, including standard and nonstandard dialects; phenomena of urban ghetto speech; implications of these data for instruction.

6/28-7/30
EB319
Class #8343

RDG 676/Testing, Analysis, and Corrective Procedures in Reading K-12
Prerequisite: RDG 573
Investigation of methods and materials for appraising reading achievement in grades K-12; critical appraisal of these methods and materials based on psychological and linguistic principles; utilization in identification of reading difficulties; identification and application of techniques appropriate for meeting these difficulties. Clinical testing experiences will be required.

6/28-7/30
EB349
Class #8345

RDG 698/Department Project in Reading
A critical independent study of an aspect of reading of interest to the student that is explored under faculty guidance. Open only to students matriculated in the Graduate Developmental Reading Program.
Hours: TBA
Class #8347
Coordinator: Harned

RDG 699/Thesis/Creative Project 3 cr.
In Reading
An original research or creative study under the guidance of a thesis committee approved by the graduate dean. Open only to students matriculated in the Developmental Reading Program.
Hours: TBA
Class #8349
Coordinator: Harned

Safety

SAF 582/Driver Education Teacher 3 cr.
Certification Program
This program meets the certification requirements to teach driver education in the secondary schools of New Jersey. The course content is concerned with methodology as it relates to the classroom, behind the wheel and psychological aspects of the driver education program.

6/21-7/9
PA104
Class #8351

SAF 585/Teaching Defensive Driving Techniques
The "why" and "how" of various types of motor vehicle accidents and precautions that can be taken to prevent them. Satisfactory completion of the course qualifies students as members of the National Defensive Driving League of the National Safety Council.

6/21-7/9
PA103
Class #8355
SAF 586/Advanced Driving 3 cr.
Simulator and Range Instruction
The course is designed to present teaching methodology as it relates to the use of Driving Simulators and Multi Car Driving Ranges. Emphasis is on research pertaining to the development and assessment of the I.P.D.E. processes (identify, predict, decide, execute) of defensive driving.
6/21-7/9 MTWRF 1600-1945
PA104 Instructor: Medve
Class #8357

SAF 587/Traffic Safety Workshop 2 cr.
Investigation and application of current information on theory, techniques teaching and administrative procedures as they relate to specific traffic safety problems. Programs in motorcycle education, emergency maneuvers, handicapped drivers, pedestrian safety, bicycle safety and public transportation will be offered in terms of need and demand. HPE 697 Independent Study for 1 s.h. is recommended.
6/14-6/18 MTWRF 1900-2130
PA 104 Instructor: Medve
Class #8359

Special Education

SED 501/Learning and Behavior 3 cr.
Problems of Handicapped Children
Prerequisite: Child Psychology
Learning and behavior characteristics of handicapped children; inter-related aspects of emotional, intellectual and physical development as affected by sensory, perceptual and motor disabilities, especially those resulting from neurological dysfunction, etiology and developmental characteristics as relevant to understanding behavior and learning problems.
6/28-7/30 MTR 0800-1040
EB209 Instructor: Lemeshow
Class #8389
6/28-7/30 MTR 1645-1925
EB349 Instructor: Riley
Class #8391

SED 514/Curriculum and Methods 3 cr.
For Teaching Exceptional Learners
(This course integrates SED 510, 511, 512).
Prerequisite: SED 501 (for all students)
Overview of basic principles of teaching the developmentally handicapped: (a) with examination of curriculum preparation, lesson planning and classroom scheduling; (b) with examination of occupational orientation techniques; exploration of work experiences; selection of placement activities, and understanding of the role of community agencies in occupational planning and training; (c) with study of modern curriculum models and materials; and how to plan, write and utilize an IEP (individual educational plan).
6/28-7/30 MTR 1045-1325
EB224 Instructor: Weisberg
Class #8393

SED 550/The Culturally Different Child (Behavior and Learning Problems) 3 cr.
Prerequisite: SED 501
"Culturally deprived" children and youth—often identified as mentally retarded, slow learner, socially and emotionally maladjusted, and the core of the school dropout problem—serve as the center of concern. Emphasis on the practical and immediate approach by the public schools in meeting the educational needs of these children.
6/28-7/30 MTR 1045-1325
EB408 Instructor: Dixon
Class #8395

SED 605/Individualizing Reading 3 cr.
Instruction for Exceptional Children
Prerequisite: SED 310, SED 501
Corequisite: SED 610 for L.D.T./C. students
Past and current research in teaching language arts to children with communications problems. Methods of teaching reading, writing, spelling and grammar with particular emphasis on the auditory, kinesthetic and tactile modes as well as the visual. The multimedia approach to teaching.
6/28-7/30 MTR 1340-1620
EB204 Instructor: Schneider
Class #8397

SED 609/Quantitative Disorders in Handicapped Children 3 cr.
Prerequisite: SED 501
Corequisite: SED 620 for L.D.T./C. students
Diagnostic and remedial problems and procedures in understanding and modifying difficulties evidenced by children in quantitative thinking. Laboratory work involves supervised teaching experience using diagnostic and remedial techniques as well as training in case conferences and disseminating information to various school personnel.
6/28-7/30 MTWR 0800-1000
EB204 Instructor: McRae
Class #8399

SED 610/Consultation Practicum I: 3 cr.
Communication and Conceptual Processes
Prerequisite: SED 601 plus 6 additional hours in Communication and Conceptual Module
Corequisite: SED 605 for L.D.T./C. students
A laboratory experience with children who
have communications disorders. Past and current research dealing with identification and diagnosis studied and applied in individual case studies. The student included in Child Study Team deliberations as he assumes the role of Learning Disabilities Teacher/Consultant. Students expected to purchase any necessary testing and/or curriculum materials needed for the proper completion of the course.

6/21-7/30 MTWR 1340-1530
EB202 Instructor: Weisberg
Class #8401

SED 614/Management Techniques 3 cr.
for Learning and Behavior Problems in the Classroom
Prerequisite: SED 501

The variety of techniques which may be employed to enable the teacher to manage difficult behavior to facilitate learning. Intended for teachers of children with behavioral problems which interfere with learning.

6/28-7/30 MTR 1645-1925
EB348 Instructor: Rotter
Class #8403

SED 616/Social-Emotional Development of the Handicapped 3 cr.
Prerequisite: SED 501

The unique and typically abnormal psychosocial characteristics and stresses encountered by the handicapped child. The child’s behavioral responses and personality development. Roles of the educator and other professional personnel in the school and community agencies. Techniques of therapeutic intervention.

6/28-7/30 MTR 0800-1040
EB226 Class #8405 Instructor: Dixon

SED 620/Consultation Practicum III: 3 cr.
Individual and Group Behavior Processes
Corequisite: SED 609 for L.D.T./C. students

Current techniques for the observation, evaluation and assessment of behavior problems in the classroom and the procedures available for the modification of behavior. In a school setting, and under a supervisor, the student will assume teacher-consultation responsibilities for the evaluation of behavior problems and the planning and implementation of program(s) of behavior management and/or modification. Students will be expected to purchase any necessary testing and/or curriculum materials needed for the proper completion of the course.

6/28-7/30 MWR 1030-1230
EB204 Instructor: McRae
Class #8407

SED 621/The Characteristics and 3 cr.
Assessment of Pre-School Developmentally Handicapped Children, Birth to Six

Prerequisite: SED 501

Study of the growth and developmental characteristics of developmentally handicapped children from birth to age six; the effects of pre-natal, peri-natal, metabolic and neurological factors which may affect future learning; the importance of genetic counseling and neurological examination of the newborn in prediction, diagnosis and prognosis of future developmental and learning difficulties; assessment, techniques for developmental and educational diagnosis in order to plan for early preventive and interventional education.

6/28-7/30 MTR 1340-1620
EB203 Instructor: Johnson
Class #8409

SED 625/Biophysical and Neurological Problems in Children
Prerequisite: SED 501

Designed to aid school personnel to recognize biophysical and neurological problems in children; to understand some organic determinants of behavior; to understand their etiology; to become familiar with resources and methods available both within and outside the school for diagnosis, treatment and rehabilitation; and to gain a fundamental understanding of current educational programs for these children.

6/28-7/30 MTR 1045-1325
EB226 Instructor: Lemeshow
Class #8411

SED 626/Clinical Types of Mental Retardation 3 cr.
Prerequisite: SED 625

An advanced course in mental retardation designed to familiarize professional workers with the clinical types of mentally retarded children and youth. Problems of diagnosis and classification will be discussed as it relates to proper understanding, placement and educational management of such children.

6/28-8/6 MTR 1340-1620
EB348 Instructor: Lemeshow
Class #8413

SED 643/Guidance and Rehabilitation of Exceptional Children and Youth
Prerequisite: SED 501

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

6/28-7/30 MTR 1340-1620 EB349 Instructor: Riley
Class #8415

SED 650/Externship in Learning 1-3 cr.
Disabilities Teacher Consultation
A period of full time teacher consultation in a public school as a part of a Child Study Team under the supervision of an approved Learning Disabilities Teacher/Consultant and a faculty member of the college. Minimum Clock hours (at 30 hours per week) for this course are 450. A student may enroll in this course while he or she is employed as a provisionally certified Learning Disabilities Teacher/Consultant if he is able to be supervised by an approved and fully certified Learning Disabilities Teacher/Consultant and is in a location making faculty supervision practical (i.e., 25 mile radius of Trenton). This course is taken after completion of all the practica and each concurrent course.

Hours: TBA
Class #8417 SED 650A
Class #8419 SED 650B
Class #8421 SED 650C
Coordinator: Weisberg

SED 664/Research Trends in the Education of the Developmentally Handicapped

Prerequisite: SED 501 and EDF 600
Critique of current research studies relevant to the theoretical and practical problems in the education of: children with learning and academic defects; children with sensory and/or motor disabilities (including the blind, deaf, neurologically impaired and orthopedically handicapped); children with behavior problems (including those of personality development, social-emotional adjustment reactions, and the psychological dynamics in those with mental and/or physical disabilities, cultural deprivation, etc.).

6/28-7/30 MTR 0800-1040 EB348 Instructor: Weisberg
Class #8423

SED 697/Independent Study in Special Education

Prerequisite: Permission of adviser
Independent exploration of a specific topic in depth under the individual supervision of a faculty member. Such a study could include a unique case study, exploration of a potential research topic, extensive reading in an area of interest, participation in department or interagency clinics, grant projects, forums, workshops, etc. May be repeated for an additional semester with permission of adviser. Students are expected to purchase any necessary testing and/or curriculum materials needed for the proper completion of the course. Open only to students matriculated in the special education program.

Hours: TBA
Class #8425 SED 697A
Class #8427 SED 697B
Class #8429 SED 697C
Coordinator: Lemeshow

Speech Pathology and Audiology.

SPP 515/Cleft Palate and other Oral Anomalies

Prerequisite: An undergraduate degree in speech pathology or the equivalent
A study of remedial methods for speech disorders resulting from cleft palate and other oral anomalies which include reversed swallowing.

6/28-7/30 MTR 1645-1925 EB201 Instructor: Schwartz
Class #8477

SPP 518/Childhood Aphasia and Language Disorders

Prerequisite: An undergraduate degree in speech pathology or the equivalent
Investigation of the neurophysiological bases of childhood language disorders; the role of the speech pathologist in the diagnostic process; and a study of remedial approaches and techniques.

6/28-7/30 MTR 0800-1040 EB101 Instructor: Staff
Class #8429

SPP 535/Manual Communication: Theory and Practice

Role of manual communication in schools, clinic and community agencies. Survey of five manual communication systems. Instruction in the manual alphabet and language of Signs.

6/28-7/30 MTR 1935-2215 EB201 Instructor: Staff
Class #8481

SPP 540/Applied Diagnostics in Speech Pathology

Prerequisite: Undergraduate degree or equivalent in speech pathology or permission of the instructor
Advanced study of the principles and procedures of assessment for communication disorders; test administration and interpretation, diagnostic report writing, interview techniques, staffing and referrals.

6/28-7/30 MTR 1045-1325 EB155 Instructor: Staff
Class #8483

SPP 590/Clinical Practice

Prerequisite: Completion of two required courses in the area of specialization

51
The course includes observation, analysis and guided experience in the evaluation and remediation of speech, hearing and language disabilities as well as procedures for organizing and maintaining programs of therapy for these disorders in school and clinical settings. A maximum of 3 s.h. will be credited toward a master's degree program for this experience.

TBA
Class #8485
Coordinator: Hornyak

**SPP 605/Disorders of Articulation** 3 cr.
*Prerequisite:* An undergraduate degree in speech pathology or the equivalent
Advanced study of diagnostic procedures and therapy methods applied to functional articulation problems.
6/28-7/30 MTR 1340-1620
EB201 Instructor: Schwartz
Class #8487

**SPP 606/Adult Aphasia**
*Prerequisite:* An undergraduate degree in speech pathology or the equivalent
Advanced study of speech and language dysfunctions associated with aphasia.
6/28-7/30 MTR 0800-1040
EB256-7 Instructor: Schwartz
Class #8489

**SPP 697/Independent Investigation** 1-3 cr.
*Prerequisite:* An undergraduate degree in speech pathology or its equivalent
Provides an opportunity to study in depth an area of interest to the student. Provides opportunity for participation in an activity related to the area. Open only to students matriculated in the speech correction or speech pathology program.
Hours: TBA
Class #SPP 697A 8491
Class #SPP 697B 8493
Class #SPP 697C 8495
Coordinator: Hornyak

**SPP 698/Department Project in Speech** 3 cr.
Critical independent study of an aspect of speech of interest to the student that is explored, under faculty guidance. Open only to students matriculated in the speech correction or speech pathology program.
Hours: TBA
Class #8497
Coordinator: Hornyak

**SPP 699/Thesis/Creative Project** 6 cr.
*In Speech*
An original research or creative study under the guidance of a thesis committee approved by the graduate dean. Open only to students matriculated in speech correction or speech pathology program.
Hours: TBA
Class #8453

**Student Personnel Services**

**SPG 501/Introduction to Counseling and Student Personnel Services** 3 cr.
Major emphasis is on the applied psychology of the helping relationship through active field experiences, human relations training and exploration of field opportunities.
6/28-7/30 MTR 1045-1325
EB130 Instructor: Krouzes
Class #8445
6/28-7/30 MTR 1935-2215
EB424 Instructor: Staff
Class #8447

**SPG 515/Educational Statistics** 3 cr.
Study of the applications of statistical and graphical methods to educational data. Basic descriptive statistics, correlation, the normal distribution and hypothesis testing will be covered.
6/28-7/30 MTR 0800-1040
EB408 Instructor: Yengo
Class #8449

**SPG 525/Guidance: Elementary and Middle School** 3 cr.
A review of current programs, counseling and guidance practices within the contemporary public school setting: pre-school to eighth grade. Study of methods, models and materials appropriate in developing a guidance program. In-depth study of philosophies and role identification of the middle and elementary school counselor. Understanding of the guidance model relevant to thorough and efficient education.
6/28-7/30 MTR 1935-2215
EB205 Instructor: Staff
Class #8451

**SPG 535/Career Counseling and Placement** 3 cr.
This course is designed to provide the necessary knowledge and skills required for those individuals who wish to do career counseling in an agency, public school or post-secondary institution. This course will provide information regarding theories of career development, and will illustrate how those theoretical models can be incorporated into the various styles of the counseling process.
6/28-7/30 MTR 1045-1325
EB424 Instructor: Cavallaro
Class #8453
SPG 540/Family Counseling 3 cr.
This course examines the patterns in family communication including marital relationships. Application of counseling techniques for enhancing communication in the marriage and family.
6/28-7/30 MTR 0800-1040
EB130 Instructor: Kouzes
Class #8455

SPG 670/Counseling Theory 3 cr.
Prerequisites: SPG 501, SPG 515, one Psychology elective and 10 hours in the program
Designed to develop a sound understanding of the counseling relationship through 1) presentation of a range of psychological theories as they apply to counseling, 2) exploration of the role of counselor, and 3) examination of oneself in the role of counselor. Students given the opportunity to develop their own counseling skills through activities that involve observation, role-playing, interviews and self-exploration.
6/28-7/30 MTR 0800-1040
EB424 Instructor: Cavallaro
Class #8457

SPG 675/Group Guidance and Counseling 3 cr.
Prerequisite: SPG 670
Exploration of one's own interpersonal style of behavior, effective leader behavior, the dynamics of group processes and their interactional effect on member behavior are developed as students study and function as members of on-going counseling groups.
6/28-7/30 MTR 1645-1925
EB256-7 Class #8459 Instructor: Ramsey

SPG 677/Group Leadership Skills 3 cr.
Prerequisite: SPG 675
Study and practice of professional skills and behaviors which enable the group leader to activate and maintain effective counseling groups. Focus will be on how the leader capitalizes on group forces to encourage member goal achievement.
6/28-7/30 MTR 1645-1925
EB424 Instructor: Worthington
Class #8461

SPG 680/Practicum in Counseling and Testing 3 cr.
Prerequisite: SPG 670, SPG 675
Basically a laboratory experience, students will engage in the development of effective counseling behaviors and practice test selection, administration, scoring and interpretation. The focus is on an integration of counseling theory and practice and educational testing.
6/28-7/30 MTR 1735-2215
EB423 Instructor: Staff

SPG 697/Independent Study 1-3 cr.
In Student Personnel Services
In-depth exploration of a topic within a specific area of the discipline involving supervised reading, research and regular conferences with the faculty adviser.
Hours: TBA
Class #SPG 697A 8465
Class #SPG 697B 8467
Class #SPG 697C 8469
Class #SPG 697D 8471
Coordinators: Worthington & Ramsey

SPG 698/Department Project 3 cr.
In Student Personnel Services
Provides opportunities for in-depth study in an area of interest to the student, and/or participation in an activity related to Student Personnel Services.
Hours: TBA
Class #8473
Coordinators: Worthington & Ramsey

SPG 699/Thesis/Creative Project in 6 cr.
Student Personnel Services
An original research or creative study under the guidance of a thesis committee approved by the graduate dean. Open only to students matriculated in the student personnel services program.
Hours: TBA
Class #SPG 699 8475
Coordinators: Worthington & Ramsey
The non-credit programs and the credit workshops described in this section are not covered by the guarantee.
The following courses will be offered on the Trenton State College Campus on the basis of sufficient enrollment only. In most cases, enrollment is limited, therefore, early registration is recommended.

**BUS 520/Business Information Processing Systems** 3 cr.
Fundamentals of computer systems emphasizing decision making. Includes basic computer components, stored program techniques, flow-chart preparation, problem solving procedures and system analysis.
6/5-6/19
BL229  
Instr. Schultheis
Hours: TBA
Class #8025

**CRJ 101/Judicial Process** 3 cr.
(3 class hours)
An in-depth study of the criminal judicial process to include a study of the philosophical issues and problems inherent therein, as well as its major components and the individuals who support the system.
6/28-7/30
MTR 1045-1325
BL 233  
Instr. Feinberg
Class #5193

**CRJ 315/Contemporary Police Problems** 3 cr.
(3 class hours)
Aspects of law, ethics, and custom affecting and determining relationships between police and policed. Police-minority group relations, police-juvenile relations, community relations.
6/28-7/30
MTR 1645-1925
BL 229  
Instr. Smith
Class #5197

**CRJ 415/Criminal Evidence** 3 cr.
(3 class hours)
Prerequisites: CRJ 100 and CRJ 101; or permission of instructor
Rules of evidence as applied to evidence in criminal cases. Development of constitutional doctrine as control on the administration of justice; the effect of the due process clause as applied to the states through a study of the leading Supreme Court decisions.
6/28-7/30
MTR 0800-1045
BL 229  
Instr. Lengyel
Class #5199

**CRJ 491/Topics in Criminal Justice: White Collar Crime** 3 cr.
This course presents a comprehensive overview of white collar crime in American society. Bringing together the major classic and contemporary writings in this area of law violation, it documents the nature and degree of illegal corporate/occupational acts, explains the structural reasons for their continued commission and furnishes explicit proposals to reduce their spread. Specific topics discussed will include: the psychology/sociology of white collar crime, occupational fraud, crime by computer, false/misleading advertising, price fixing, bribery, tax evasion and the marketing of unsafe/untested products.
Where applicable, relevant comparisons/contrasts will be made with West Germany, Switzerland and Austria. Future implications for United policy will be evaluated.
8/2-8/13
MTWR 0800-1200
BL 123  
Instr. Fenwick
Class #5205

**HIS 610/Comparative Study of Revolution** 3 cr.
A study of the phenomena of revolutionary thought and action in modern history. Examinations of selected revolutionary manifestations to determine what factors shaped them and the degree to which a common pattern appears.
6/29-7/30
MTR 1645-1925
EB 205  
Instr. Faughnan
Class #8121

**Mohican Work Week**

**IET 466/Workshop in I.E.T.** 1 cr.
(Mohican Work Week)
Restore and improve physical facilities of TSC Mohican Outdoor Resource Center. The Center is located near Delaware Water Gap. Course includes work in insulation, carpentry, plumbing/heating, road repair and on interior/exterior of buildings. Experience in these areas desirable but not required. Lodging is free; food will be responsibility of each individual or individuals can participate in a 'group' food plan [costing approximately $5.00/day for 3 meals.]
One semester hour credit obtained for working any five days during times listed [above.]
To obtain further details contact: Dr. Robert D. Weber, Armstrong Hall, 609-771-2536.

**IET 466A**
5/31-6/4 or 6/7-6/11  
Class #5385
SCT 597/Advanced Topics in Speech Communication and Theatre: Producing High School Theatre

Producing High School Theatre provides an intensive and concentrated exposure to the analytical, design, technical, and performance skills required for the production of a play. The course is especially designed for those teachers who wish to develop or improve their skills as directors of high school plays; however, those same skills also apply in large measure to production in community theatres, church groups, and other non-professional situations. Prior training or experience in theatre production is not required. (Pre-registration conference required; call 771-2106 for appointment.)

7/5-7/24 MTWRF 900-1730
Kendall Hall  Instrs. McCullough/Smith
Class #8361

SEC 525/Introduction to Educational Administration

A comprehensive overview of the field of educational administration furnishes guidelines for professional career guidance in the administrative field. An examination of the objectives, techniques and materials of educational administration will be made in order to assist the prospective school administrator in administrative leadership. This course is accepted by the New Jersey State Department of Education toward principal and school administrator certificates.

6/28-7/30 MTR 1935-2215
EB 319  Instr. Farber
Class #8377

The following courses will be offered at sites other than the Trenton State College campus. Early registration is recommended.

PED 497/Selected Topics in Recreation: Canadian Bush Camping and Survival Skills

Four class sessions devoted to wilderness living and ten days traveling into the bush country of central Ontario. Students will spend two nights at a remote hunting and fishing camp, and six days camped in tents on a remote lake several miles from that camp. Students will learn about ecology, canoeing, bass and pickerel fishing, camp organization, food preparation, map and compass reading and wilderness living. The trip is neither overly strenuous nor overly dangerous, but students should be in reasonably good physical shape, and should realize the hazards inherent in wilderness camping. Registration limited to 12 students. Fee required.

For more information, contact Dr. Gary Oakley, Martin House, Trenton State College, Hillwood Lakes CN550, Trenton, N.J. 08625, or call, (609) 771-2528.

7/1-7/11 (First Session)
Class #8329
8/6-8/16 (Second Session)
Class #8330

HPE 597/Advanced Topics in Health, Physical Education Recreation and Safety: Canadian Bush Camping and Survival Skills.

(See Course Description, Above)

7/1-7/11 (First Session)
Class #8329
8/6-8/16 (Second Session)
Class #8330

Marine Sciences Consortium at Seaville and Sandy Hook

The New Jersey Marine Sciences Consortium is a research-oriented organization of institutions of higher learning in New Jersey. It operates two field stations, one at Sandy Hook in Monmouth County and the other at Seaville in northern Cape May County. Selected courses in various fields of marine sciences are offered during the summer at both stations. Dormitory and kitchen facilities are available as well as fully equipped laboratories and field facilities. An illustrated brochure is available that describes the summer program completely.
### Courses to be given at Sandy Hook

<table>
<thead>
<tr>
<th>Undergraduate</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIO 132A/Introduction to the Marine Sciences</td>
<td>4 cr.</td>
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<tr>
<td>Monday and Thursday, 9:30 a.m.-11:50; 13:30-16:50</td>
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<tr>
<td>July 6-August 13</td>
<td></td>
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<tr>
<td>Class #5055</td>
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<tr>
<td>BIO 132B/Introduction to Marine Sciences</td>
<td>4 cr.</td>
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<tr>
<td>Tuesday and Wednesday, 13:30-16:50</td>
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<td>(Six additional hours of open lab must be scheduled.)</td>
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<tr>
<td>July 6-August 13—Class #5057</td>
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<tr>
<td>BIO 433A/Introduction to Marine Biology</td>
<td>4 cr.</td>
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<tr>
<td>Days and hours to be arranged—</td>
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<tr>
<td>Class #5075</td>
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<tr>
<td>BIO 499A/Coastal Marine Geology</td>
<td>4 cr.</td>
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<td>Monday through Friday, 0900-1700</td>
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<tr>
<td>July 6-July 30—Class #5089</td>
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<tr>
<td>BIO 499B/Man's Impact on the Coastal Zone</td>
<td>4 cr.</td>
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<td>Monday through Thursday, 1800-2100</td>
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<tr>
<td>July 6-August 13—Class #5091</td>
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### Courses to be given at Seaville

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<thead>
<tr>
<th>Undergraduate</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIO 132D/Introduction to Marine Sciences</td>
<td>4 cr.</td>
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<tr>
<td>Monday through Friday, 0900-1700</td>
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<tr>
<td>July 6-July 30—Class #5061</td>
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<tr>
<td>BIO 433B/Introduction to Marine Biology</td>
<td>4 cr.</td>
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<tr>
<td>Monday through Thursday, 1800-2100</td>
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<tr>
<td>July 6-August 13—Class #5077</td>
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<tr>
<td>BIO 482/Field Methods in Marine Science</td>
<td>4 cr.</td>
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<tr>
<td>Monday through Friday, 0900-1700</td>
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<tr>
<td>July 6-July 30—Class #5087</td>
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<tr>
<td>BIO 499C/ Marine Science Education</td>
<td>2 cr.</td>
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<tr>
<td>Tuesday, Wednesday, Thursday, 1800-2100</td>
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<td>(One field trip to be arranged.)</td>
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<tr>
<td>July 6-July 30—Class #5093</td>
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ACADEMIC REGULATIONS AND INFORMATION
MAJORS LEADING TO BACCALAUREATE DEGREES

Bachelor of Arts

Art, Liberal Arts, Art Therapy or Advertising Design
Art, Teaching
Biology, Liberal Arts
Biology, Teaching
Chemistry, Liberal Arts
Chemistry, Teaching of Physical Science
English, Liberal Arts
English, Teaching
Geography, Liberal Arts
Geography, Teaching of Social Studies
History, Liberal Arts
History, Teaching of Social Studies
Mathematics, Liberal Arts, Computer Science or Statistics
Mathematics, Teaching
Music, Liberal Arts
Music, Teaching
Philosophy, Liberal Arts
Physics, Liberal Arts
Physics, Teaching of Physical Science
Political Science, Liberal Arts or Public Administration
Political Science, Teaching of Social Studies
Psychology, Liberal Arts
Sociology, Liberal Arts
Sociology, Teaching of Social Studies
Speech Communication and Theatre, Liberal Arts
Speech Communication and Theatre, Teaching

Bachelor of Science

Administrative Office Management
Business Administration (with an Accounting, General Business, Finance, Management, Marketing or Public Administration emphasis)
Business Economics
Business Education (with either Full Certification, Accounting, or Secretarial Studies emphasis)
Criminal Justice
Distributive Education
Early Childhood Education
Electronics Engineering Technology
Elementary Education
Elementary Education/Associated Educational Media Specialist
Health Education
Health and Physical Education
Industrial Education (with Industrial Arts or Vocational Industrial emphasis)
Industrial Engineering Technology
Mechanical Engineering Technology
Nursing
Recreation
Special Education for the Developmentally Handicapped
Special Education for the Hearing Impaired
Speech Pathology and Audiology (for other than public schools)
Speech Pathology and Audiology (for public school work)
Teacher-Librarian (combines Elementary Teaching and School Librarian)
ACADEMIC ADVISEMENT FOR SUMMER SESSION STUDENTS

Advising for Summer Session students currently enrolled in a degree program at Trenton State College is handled by the Office of Academic Advisement and Evaluation, (609) 771-2647, or by each department chairperson.

Advising for Summer Session students not enrolled in a degree program is handled by the Division of Continuing and Adult Education which offers a variety of services for Summer Session students. These services include academic counseling, general information about the college, and many administrative services.

The Division of Continuing and Adult Education office is located in Room 10 of Green Hall, and is open Monday through Thursday from 8:30 a.m. to 8:30 p.m. and Friday from 8:30 a.m. to 4:30 p.m. Please call (609) 771-3124 for an appointment. A telephone answering service is available evenings and weekends—(609) 771-2255.

Feel free to stop into the office anytime. Although an appointment is suggested for any problem requiring discussion, especially if you would like to see an adviser before 4:30 p.m., we will try to accommodate you whenever you stop by.

Attendance

Every student at the college is encouraged to attend every class, lecture and lab section in each of his/her courses according to the announced attendance policy of the instructor of that course. No policy may be formulated in which attendance *per se* is used as a criterion for academic evaluations.

However, this policy does not prohibit any instructor from evaluating students based on class participation, seminar discussion, laboratory work, field experience or the like which may take place during regularly scheduled class sessions. If these areas for evaluation involve activities which make class attendance essential, the student may be penalized for failure to perform satisfactorily.
Auditing

Students who wish to attend courses without receiving credit must:

1. Register and pay the normal tuition fees.
2. Obtain permission of the registrar before the first session of the course.

A student with audit status will receive a grade report indicating the title of the course; the entry will be marked Audit-No Credit. This information will become a part of the student's permanent record.

The instructor will be informed of students with auditor status in class. It is the prerogative of the instructor to determine the degree of class participation that an auditor may be permitted in any particular class.

An auditor may not elect to receive credit for a course after classes begin. Since only a limited number of auditors can be accommodated, only students presenting bona fide reasons will be granted this privilege.

Course Numbering

Courses are designated by an alphabetical abbreviation of the discipline which offers them. The three-digit number which follows the alphabetical abbreviation is generally to be interpreted as follows:

000—Non-credit courses unless otherwise stated.
100—Open to all students.
200—Open to all students who have the prerequisite, but are somewhat more specialized or advanced.
300—A professional or advanced course, normally not open to freshmen except by permission.
400—A professional or advanced course normally not open to sophomores except by permission.
500—Graduate courses. Also, by permission of the Graduate Office, open to qualified seniors.
600—Graduate courses, open only to matriculated graduate students.

When course titles include “I” and “II”, the first half of the course is prerequisite to the second half.

Course Prerequisites

Students are not permitted to register for courses unless they have completed the required prerequisites, or are granted permission by the chairperson of the department offering the course.

Credit Load

Without special permission of their advisers or the director of the Summer Session, students may carry a maximum of nine credits.

Course credit will not be granted for duplication of courses. The responsibility for duplication of courses rests with the students. If students are repeating a course in order to raise cumulative averages, they must request a recalculation of their cumulative averages by reporting the results of the repetition to the registrar.

Concurrent enrollment of Trenton State College students in colleges and universities in excess of six semester hours may result in loss of course credit.

Any exception to these or other requirements stated herein may be made only upon written request to the director of Summer Session; or, for graduate students, through the dean of the Graduate Program.
Approximately three weeks after the completion of the final Summer session, grade reports are issued. The grade report bears the seal of the college and may be forwarded to the county superintendent of schools as evidence of completion of certification requirements.

Grades will not be released over the telephone or in person.

The final grades are reported in letter symbols:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.0</td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
</tr>
<tr>
<td>D</td>
<td>1.0</td>
</tr>
<tr>
<td>F—No Credit</td>
<td>0.0</td>
</tr>
<tr>
<td>WF—Withdrawn, Failing</td>
<td>0.0</td>
</tr>
</tbody>
</table>

The following grades are never figured into the cumulative grade point average:

AU—Audit
CR—Credit by Examination
IN—Incomplete
IP—In Progress
P—Passing
U—Unsatisfactory
WP—Withdrawn, Passing
WU—Withdrawn, Unsatisfactory

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

Graduating Students, Summer 1982

Students who expect to complete requirements for the bachelor’s degree at the end of the Summer Session must apply for their degree before July 1, 1982. If the same students also qualify for a teaching certificate, they must apply for that also. Applications for the degree are available in the Office of Academic Advisement and Evaluation, Green Hall, Room 106.

Applications for teaching certificates are available in:
• Office of the Dean of Arts and Sciences, Holman Hall, Room 305
• Office of the Dean of the School of Education, Education Building, Room 168
• School of Business and Economics, Green Hall, Room 212
• School of Industrial Education and Engineering Technology Armstrong Hall, Room 66
• Office of Academic Advisement and Evaluation, Green Hall, Room 106

Transcript of Credit

Students desiring a transcript for courses they have completed should write to the Registrar, Trenton State College, Hillwood Lakes CN 550, Trenton, New Jersey 08625, and include the following:

1. full name and social security number (maiden name, if applicable);
2. address;
3. dates of attendance (inclusive) and divisions attended;
4. date of graduation;
5. name and address to which transcripts should be mailed.

No fee is charged.
Withdrawal From Courses and Refund of Tuition

This refund policy applies to undergraduate or graduate withdrawal from any course or courses.

In order to withdraw from a summer course a student must fill out an official withdrawal form obtained from the registrar or the office of the Division of Continuing and Adult Education. After a student has officially withdrawn, the instructor must assign a grade of "WP" or "WF" as appropriate. If no official withdrawal is received, the student’s grade will be an automatic "F".

See class schedule pages 72 to 84 for specific withdrawal dates.
Health Services

The Student Health Center is located on the first floor of Norsworthy Hall, where a registered nurse will be on duty from June 7 to August 13 Monday through Thursday, from 8 a.m. to 8 p.m. and Friday from 8:30 a.m. to 4:30 p.m. Telephone (609) 771-2484.

Emergency first aid for illness or injury is provided for all students. In the event further medical assistance is required, the nurse will refer patients to their own physicians or a community agency. After 8 p.m. when the Health Center is closed, students will be sent to St. Francis Medical Center Emergency Room for treatment if they cannot wait until the next day. The Campus Police (609) 771-2167 may be called for assistance with directions, transportation, etc., if needed. Service at the Health Center is free; however, all expenses for services rendered by community facilities and practitioners are the responsibility of the student.

Parking on Campus

Any vehicle parked on campus must be registered with the Motor Vehicle Registration Office and bear a valid Trenton State College parking decal.

Students must park in authorized student lots only. These lots are at the west side of campus and behind Travers-Wolfe, Decker and Cromwell Halls. Parking and traffic regulations are enforced 24 hours a day by the Campus Police.

Foreign Students

Only foreign students previously admitted to Trenton State College may enroll in the summer session.

A form I-20 must be issued before a student may attend classes. Please contact the director of Admissions for further information, at (609) 771-2131.

Veterans' Assistance

Veterans, dependents of veterans, and military personnel on active duty wishing to apply for veterans’ benefits should be prepared to pay all fees and educational costs at the time of registration. An education allowance is paid directly to the students, provided they have secured the proper entrance authorization and maintained satisfactory standards in their classes. The total amount of payment depends upon the semester hour load and the number of dependents. The first payment will normally be received six to eight weeks after the first date of classes. For further information, contact Office of Special Services, (609) 771-2571.

Federal laws governing veterans’ benefits require that all students who receive funds must report all changes in their enrollment status to the college veterans’ officials promptly.

Disabled Students

The Program for Disabled Students has been established as a focal point for the coordination of services for the handicapped. The function of the Office of Special Services is to address those problems which may interfere with academic or social adjustment. We view our office as a supportive, confidential service acting as
advocate for the disabled by working with key college offices, academic departments and community based agencies and programs. Our goal is the successful integration of each student into the mainstream of the college community and ultimately the community at large. For many students, this goal can be attained independently with no additional services other than those routinely provided by the college. For some students, however, special assistance may be required. We encourage the contact of any student who feels that our services may be of value. For more information call (609) 771-2571.

Women's Center

The Women's Center in Room 3 of Green Hall offers a variety of programs and services for the Trenton State College community:

A Drop-In Center—a place to share coffee, ideas, and information, to get to know one another and find support

Referral Services—for obtaining information about the community and college resources, including referrals for counseling, women's groups, health, and legal matters

A Resource Center—a collection of books, periodicals, and journals on a wide range of topics

A Current Events Bulletin Board—to keep up on women's issues and events

Workshops and Cultural Programs on Women's Issues—scheduled throughout the year

For further information, please call Dr. Susan Karr, Director of the Office for Women, at (609) 771-3049.

The Clayton R. Brower Student Center

The Clayton R. Brower Student Center is a multipurpose facility which serves as a focal point for both student activities and a growing conference program. In addition to numerous lounges and meeting rooms, the architecturally award-winning center houses a full service bank and three stores which stock everything from snacks to study aids. Sometimes referred to as "the living room of the college," the Student Center also offers a variety of recreation options. Pool, Ping-Pong, and electronic games are available for those who want to compete, and television for those who just want to relax. A snack bar and rathskeller serve hot and cold meals and refreshments.

The Trenton State College Conference Center program provides professional conference services to corporations, government agencies, community groups, and associations. Services include planning, audio-visual equipment, catering and dining for receptions, luncheons, banquets, and other events. A growing number of organizations are finding the friendly, comfortable setting of the Trenton State Conference Center to be an ideal setting for training programs, meetings and other functions.

The Center Information Desk (609-771-2331) answers inquiries about all campus activities, bus and train schedules, etc. Questions about the Student Center or Conference program can also be directed to the Student Center, Trenton State College, Hillwood Lakes CN550, Trenton, NJ 08625. Telephone: (609) 771-2264.

Snack Bar Hours

<table>
<thead>
<tr>
<th>Day</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday-Thursday</td>
<td>7:30 a.m.-8:00 p.m.</td>
</tr>
<tr>
<td>Friday</td>
<td>7:30 a.m.-5:00 p.m.</td>
</tr>
<tr>
<td>Saturday, Sunday</td>
<td>Closed</td>
</tr>
</tbody>
</table>
Rathskeller
Monday-Friday 11:00 a.m.-midnight
Saturday 12:00 noon-4:00 p.m.
Sunday 12:00 noon-4:00 p.m.

HOUSING ACCOMMODATIONS
AND FOOD SERVICE

Living on Campus

Accommodations for students enrolled in summer session courses are available in
college residence halls, on a double-occupancy basis. Two plans are provided for
your convenience: one is a live-in, full-time residency with an optional meal contract;
the second is for students to stay overnight on an occasional basis.

To live on campus as a full-time resident:

1. Request an application form from the Summer Session Office, Green Hall,
   Room 10, (609) 771-2255.

2. Return the application form to the Summer Session Office accompanied by the
correct amount in check or money order payable to Trenton State College. If you
choose a meal contract, be sure to include this payment with your room rent fee.

Please note: If application forms accompanied by payment in the exact amount are
received before the deadline dates indicated below, the student will
receive a room assignment by mail. If no advance reservation is made,
there may be a two-day period at the start of the summer session before
a room can be assigned. Students must present receipt of room
payment before checking into the residence hall.

3. Bring your own towels, face cloths, bed linens, pillows, bedspreads and drinking
glasses. The privilege of occupying a residence hall room is given only to the
person to whom the room is assigned. Occupancy shall be subject to all rules
and regulations of the college, including those in the Student Handbook, A

4. Remember the following dates and policy:
   a. Reservations for the summer session must be received by June 11, 1982.
   b. Residence halls will be open on June 20, 1982, at 4 p.m. and close on July 30,
      1982 at 7 p.m.
   c. The college does not assume responsibility for loss or damage to personal
      property of students living in residence.
   d. The policy concerning refund of residence hall charges is available upon
      request from the Housing Office.

There will be no on-campus accommodations for either the pre-session or post-
session.

5. Housing Rates for Summer Session:
   For 6 weeks of summer session $246
   For 1 week (3 nights or more) $41
To Live On Campus As An Occasional Overnight Guest

Arrangements for commuting students who desire overnight accommodations, minimum of once a week in residence halls, should be made at the Housing Office, preferably at least 24 hours in advance. The charge is $6 per night, plus a $5 refundable key charge. The key refund is obtained from the Housing Office by presenting a clearance slip obtained from the director of summer residences. Please note: The college does not assume responsibility for loss or damage to personal property of students living in residence.

Eating on Campus

Meals are available on campus either in conjunction with the residence hall contract or on an individual basis.

1. Students may choose from among the following meal contracts:
   - 20 meals per week @ $24.50/wk  $147/session
   - Any 14 meals per week @ $22.00/wk  $132/session
   - Any 10 meals per week @ $21.00/wk  $126/session
   Please add the cost of the meal contract to the room rent for the total room and board cost.

2. Meals will be available for students in the residence dining halls on an a la carte basis.
   Meal prices will be as follows:
   - Breakfast $1.50
   - Lunch 2.35
   - Dinner 3.10
   - Brunch 3.10

3. Dining Schedule: The dining hall hours of operation will be posted in the summer session residential hall and Housing Office once determined.
   - 3 meals/day Monday through Saturday
   - 2 meals on Sunday (Brunch and Dinner)
   (Conflicts between dining hall schedule and class schedule may be resolved in the Housing Office.)

4. Snack Bar: Snack Bar service will be available in the Student Center on a cash basis. Hours will be determined according to the needs of students.

College Store and College Textbook Store

Services of the College Store and Textbook Store are available to summer session students. The College Store is located in the Student Center; the College Textbook Store is behind Phelps Hall opposite the Recreation Center.

Summer business hours are:
   - Monday, June 21 and Tuesday, June 22-8:30 a.m.-8 p.m.
   - Monday, June 28 and Tuesday, June 29-8:30 a.m.-8 p.m.
   - Monday-Friday—9 a.m.-4 p.m.

The College Store carries best sellers and recommended books, general supplies, clothing, food, gifts, greeting cards, etc.
Library Hours
During the 1982 Summer Session (June 21 through July 30) the library will be open during the following hours:

Monday through Thursday ........................................ 7:45 a.m.-10:30 p.m.
Friday ........................................................................... 8:30 a.m.- 6 p.m.
Saturday ......................................................................... 9 a.m.- 4 p.m.
Sunday ........................................................................... Closed
July 4 ............................................................................... Closed

During the pre-season (June 7-June 18) and the post-session (August 2-August 13) the library will open Monday through Friday, 8:30 a.m.-4:30 p.m.

Intramurals and Recreation Services

The Trenton State College Intramural and Recreation Services program provides opportunities for the college community to participate in many informal recreational activities throughout the summer months.

The Student Recreation Center is available at regularly scheduled hours and includes racquetball courts, tennis courts, baseketball courts, jogging lanes and a fully-equipped weight room. Swimming is also available at regularly scheduled hours and the pool is located in Packer Hall. Outdoor facilities include the seven lighted tennis courts, two basketball courts and the 3.25 mile jogging course. Copies of course maps are available at the Student Recreation Center.

A wide variety of recreational equipment is available for check-out at the Student Recreation Center by presenting your current TSC ID card.

Monthly activity and facility calendars along with additional information and schedules are all available at the Student Recreation Center. To find out more, call the following numbers:

Court Reservations: ................................................... 771-2190
Intramural Sports: ................................................... 771-2223
Recreation & Sport Clubs: ........................................ 771-2389
If You Need Information, Call:

<table>
<thead>
<tr>
<th>Department</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admissions</td>
<td>771-2131</td>
</tr>
<tr>
<td>Advisement</td>
<td>771-2647</td>
</tr>
<tr>
<td>Bookstore, College</td>
<td>771-0241</td>
</tr>
<tr>
<td>Bookstore, Textbook</td>
<td>771-8267</td>
</tr>
<tr>
<td>Bursar (Tuition)</td>
<td>771-2172</td>
</tr>
<tr>
<td>Certification for Teaching</td>
<td>771-2647</td>
</tr>
<tr>
<td>Continuing Ed.</td>
<td>771-2255</td>
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<td>Co op. Ed.</td>
<td>771-2161</td>
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<tr>
<td>Dean of Students</td>
<td>771-2201</td>
</tr>
<tr>
<td>Disabled Students</td>
<td>771-2571</td>
</tr>
<tr>
<td>Graduate Study</td>
<td>771-2111</td>
</tr>
<tr>
<td>Health</td>
<td>771-2484</td>
</tr>
<tr>
<td>Housing</td>
<td>771-2264</td>
</tr>
<tr>
<td>Library</td>
<td>771-2311</td>
</tr>
<tr>
<td>Police, Campus</td>
<td>771-2167</td>
</tr>
<tr>
<td>Recreation Center</td>
<td>771-2389</td>
</tr>
<tr>
<td>Registrar</td>
<td>771-2141</td>
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<tr>
<td>Student Center</td>
<td>771-2304</td>
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<td>Student Teaching</td>
<td>771-2408</td>
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<tr>
<td>Summer Session</td>
<td>771-2255</td>
</tr>
<tr>
<td>Transcripts</td>
<td>771-2141</td>
</tr>
<tr>
<td>Vehicle Registration</td>
<td>771-2461</td>
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<td>Veterans</td>
<td>771-2571</td>
</tr>
<tr>
<td>Office for Women</td>
<td>771-3048</td>
</tr>
<tr>
<td>Women’s Center</td>
<td>771-2120</td>
</tr>
</tbody>
</table>

For offices other than those listed, use the main college telephone number: (609) 771-1855.
Classes scheduled for Monday, July 5 will be held Friday, July 9.

Withdrawal before the first scheduled class meeting—100% refund. Withdrawal after the first scheduled class meeting—50% refund.

**BUILDING DESIGNATION CODE**

<table>
<thead>
<tr>
<th>Building</th>
<th>Building Code</th>
<th>Building Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Armstrong Hall</td>
<td>AR</td>
<td>2</td>
</tr>
<tr>
<td>Bray Hall</td>
<td>BR</td>
<td>5</td>
</tr>
<tr>
<td>Bliss Hall</td>
<td>NBL</td>
<td>4</td>
</tr>
<tr>
<td>Crowell Hall</td>
<td>CH</td>
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<tr>
<td>Education Building</td>
<td>EB</td>
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<td>Green Hall</td>
<td>GR</td>
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<td>Holman Hall</td>
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<td>Kendall Hall</td>
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<tr>
<td>Library</td>
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<td>36</td>
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<td>Nursing Building</td>
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<td>37</td>
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<tr>
<td>Packer Hall</td>
<td>PA</td>
<td>28</td>
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<td>Relocatable</td>
<td>RE</td>
<td>32</td>
</tr>
<tr>
<td>Classrooms</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HOURS AND DAYS**

Beginning and ending times are stated fully for each course section in this schedule, according to the 24-hour clock, as follows:

- **0800 = 8 a.m.**
- **0900 = 9 a.m.**
- **1000 = 10 a.m.**
- **1100 = 11 a.m.**
- **1200 = 12 NOON**
- **1300 = 1 p.m.**
- **1400 = 2 p.m.**
- **1500 = 3 p.m.**

- **M = Monday**
- **T = Tuesday**
- **W = Wednesday**
- **R = Thursday**
- **F = Friday**
- **S = Saturday**
- **TBA = To Be Arranged**

- **CHM 350 Fundamentals of Organic Chemistry**
  - MTWRF
  - 1730-2130 6/7-6/18
- **ENG 215 People and Computers**
  - MTWRF
  - 0800-1600 6/7-6/18
- **HED 150 Contemporary Health Problems**
  - MTWRF
  - 1800-2030 6/7-6/18
- **PED 131 Golf**
  - MTWRF
  - 1530-1730 6/7-6/18
- **PED 153 Basketball**
  - MTWRF
  - 1800-2000 6/7-6/18
- **PED 539 Advanced Theory & Technique in Basketball**
  - MTWRF
  - 1800-2030 6/7-6/18
- **PED 541 Advanced Theory & Techniques in Sports Activities: Golf**
  - MTWRF
  - 1530-1800 6/7-6/18
- **PED 543 Advanced Theory & Techniques in Sports Activities: Racquet Sports**
  - MTWRF
  - 1730-2000 6/7-6/18

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Days</th>
<th>Location</th>
<th>Time</th>
<th>Dates</th>
<th>Final Exam Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRJ 491</td>
<td>Topics in Criminal Justice: White Collar Crime</td>
<td>MTWRF</td>
<td>Bliss</td>
<td>0800-1200</td>
<td>8/2-8/13</td>
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<tr>
<td>CRJ 491</td>
<td>Topics in Criminal Justice: Terrorism</td>
<td>MTWRF</td>
<td>Bliss</td>
<td>0800-1200</td>
<td>8/2-8/13</td>
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</tr>
<tr>
<td>ENG 215</td>
<td>People and Computers</td>
<td>MTWRF</td>
<td>HH</td>
<td>0800-1600</td>
<td>8/2-8/13</td>
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<tr>
<td>IET 466</td>
<td>Workshop in Industrial Education (Pedal Power)</td>
<td>MTWRF</td>
<td>AR-27</td>
<td>0800-1600</td>
<td>8/2-8/13</td>
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<tr>
<td>IET 581</td>
<td>Workshop in Industrial Education (Pedal Power)</td>
<td>MTWRF</td>
<td>AR-27</td>
<td>0800-1600</td>
<td>8/2-8/13</td>
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<tr>
<td>SEC 581</td>
<td>Introduction Schools Without Failure</td>
<td>MTWRF</td>
<td>EB</td>
<td>0800-1600</td>
<td>8/2-8/13</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Days</th>
<th>Location</th>
<th>Time</th>
<th>Dates</th>
<th>Final Exam Dates</th>
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</thead>
<tbody>
<tr>
<td>PSY 333</td>
<td>Mental Health</td>
<td>M/W</td>
<td>EB</td>
<td>50% WD: 6/30—Final WD: 7/9</td>
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<tr>
<td>PHI 120</td>
<td>Introduction to Logic</td>
<td>M/W</td>
<td>HH</td>
<td>50% WD: 6/30—Final WD: 7/9</td>
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<tr>
<td>PHI 101</td>
<td>Introduction to Philosophy</td>
<td>T/R</td>
<td>HH</td>
<td>50% WD: 7/1—Final WD: 7/9</td>
<td></td>
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</tbody>
</table>
8:00-10:15

ENG 210 Descriptive Linguistics  
MTR HH 372

ENG 246 Film  
MTR EB 132

HED 150 Contemporary Health Problems  
MTR NU 108

SOC 205 Contemporary Social Problems  
MTR BL 125

10:30-12:45

CRJ 310 Juvenile Delinquency  
MTR BL 234

CSC 108 Elements of Computing  
MTR HH 117

CSC 215 Int. Comp. Science I  
MTR HH 120

ENG 107 Writing  
MTR HH 304

PSY 222 Child Psychology  
MTR EB 409

PSY 316 Personality  
MTR EB 410

REL 151 Comp. Religion  
MTR HH 315

SOC 101 Introduction to Sociology  
MTR BL 123

1:00-3:15

BUS 210 Introduction to Business  
MTR BL 123

PSY 310 Pr. Learning  
MTR EB 407

5:00-7:15

AAS 105 African-Am Hist.  
MTR HH 124

BUS 312 Office Management  
MTR BL 123

BUS 313 Personnel Administration  
MTR BL 129

BUS 315 Business Report Writing  
MTR BL 28

PED 511 Curr. & Prog. Construction in Physical Education  
MTR PA 103

PSY 101 Introduction to Psychology I  
MTR EB 407

PSY 315 Social Psychology  
MTR EB 409

SOC 101 Introduction to Sociology  
MTR BL 125

7:30-9:45

BUS 330 Business & Economic Statistics  
MTR BL 129

BUS 450 Human Resources  
MTR BL 124

CSC 108 Elements of Computing  
MTR HH 105

CSC 215 Int. Corp. Science I  
MTR HH 118

CSC 520 Int. Comp. Prog. I  
MTR HH 117

PSY 224 Adol. Psychology  
MTR EB 407

50% WD: 7/1—Final WD: 7/9

50% WD: 7/1—Final WD: 7/9
### 8:30-10:10
- **ENG 103** Basic Writing  
  MTWR, HH 304
- **ENG 421** Int. Shakespeare  
  MTWR, HH 315
- **MAT 104** Math in Liberal Arts  
  MTWR, HH 105
- **MAT 120** Elementary Math Analysis  
  MTWR, HH 118
- **MAT 227** Calculus I  
  MTWR, HH 120

### 10:25-12:05
- **ENG 222** Short Story  
  MTWR, HH 316
- **MAT 101** Foundations of Math I  
  MTWR, HH 105
- **MAT 211** Introduction to Quant. I  
  MTWR, HH 118

### 12:50-2:30
- **MAT 115** Statistics I  
  MTWR, HH 117

### 5:15-6:55
- **MAT 101** Foundations of Math I  
  MTWR, HH 105
- **MAT 115** Statistics I  
  MTWR, HH 117
- **MAT 225** Diff. & Int. Calc. I  
  MTWR, HH 118
- **MAT 226** Diff. & Int. Calc. II  
  MTWR, HH 120
- **SPA 101** Spanish for Beginners I  
  MTWR, HH 315

### 7:15-8:55
- **SPA 102** Spanish for Beginners II  
  MTWR, HH 315

- 50% WD: 7/1—Final WD: 7/9

### 5:00-9:00
- **ENG 246** Film  
  M/W, EB 132  
  50% WD: 7/7—Final WD: 7/14

### 6:00-10:10
- **BUS 515** Personnel Management  
  T/R, BL 234
- **POL 205** Intro. to Public Admin.  
  M/W, HH 256  
  50% WD: 7/7—Final WD: 7/14
- **POL 509** Communication in Admin.  
  T/R, HH 256  
  50% WD: 7/6—Final WD: 7/14
## 8:00-10:40

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## 10:45-1:25

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**SEC 525** Introduction to Educational Administration
MTR EB 319

**SPG 501** Introduction to Counseling and Student Personnel Services
MTR EB 424

**SPG 525** Guidance: Elementary and Middle School
MTR EB 205

**SPG 680** Practicum in Counseling and Testing
MTR EB 423

**SPP 535** Manual Communication: Theory and Practice
MTR EB 201

50% WD: 7/6—Final WD: 7/14
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**SPECIAL SCHEDULING**

Week Beginning 6/7

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### Week Beginning 7/5

**SCT 597 Advanced Topics: Producing High School Theatre**
- **MTWRF**: Kendall
- **0900-1730, 7/5-7/24**
- 50% WD: 7/9—Final WD: 7/14

### Week Beginning 7/12

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### Week Beginning 7/19

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50% WD: After Preliminary Meeting Date—Final WD: Friday of each appropriate weekend.

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50% WD: 6/1—Final WD: 6/2
50% WD: 6/8—Final WD: 6/9
50% WD: 6/2—Final WD: 6/4
Directions to the College

From South Jersey:

is about 4.1 mile past the traffic light at Emwiggville.
Continue along Rt. 3 at 3.1 until you reach the college. This
Follow Rt. 202 until its intersection with Rt. 31 at Flemington.
From Northwest New Jersey:

Turn left onto Route 1 South and follow from abobe.
Follow Routes 33 West and then Rt. 27 to Asbury Park.
From Asbury Park-Freehold area:

A mile from the light.

Traffic = Should = New Brunswick (Exit 9)
Persons coming from North Jersey using the New

Trailblazers at key intersecitons near the college will

Directions to the College

Follow 1-95 North and cross the Somerset Falls Bridge to
Pennsylvania.

From the high:

is about 4.1 mile from the light.
Continue along Rt. 3 at 3.1 until you reach the college. This
Follow Rt. 202 until its intersection with Rt. 31 at Flemington.
MAP OF THE TSC AREA
# TABLE OF UNDERGRADUATE TUITION AND FEES*

<table>
<thead>
<tr>
<th>Total Credits Registered For and Fee Summer '82</th>
<th>In-State** Residents Pay Tuition and Fee Total of</th>
<th>Out-of-State Residents Pay Tuition and Fee Total of</th>
<th>These Fees are Included in the totals at left:</th>
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<td>Service Fee</td>
<td>I.D. Fee</td>
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*These Fees are included in the totals at left: I.D., Center, Service.

**Tuition and Fees are subject to change by action of New Jersey State Legislature.

*A student shall be classified as a "New Jersey Resident" for tuition purposes upon admission to a public institution of Higher Education in the State of New Jersey if the student or the parent(s) or guardian(s) upon whom the student is financially dependent, has been a bona fide domiciliary of the State of New Jersey for at least one year immediately prior thereto.