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.

The Bulletin of Trenton State College (USPS 361-210) is published at Trenton State College, Hillwood Lakes CN 4700, Trenton, NJ 08650-4700. It is published in January, February, May and August.

Volume 56   February 1987   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

TSC Summer Session Mission Statement
Summer Session at Trenton State College is designed to offer quality instruction in a variety of courses to both graduate and undergraduate students. Course offerings are planned to meet the general and specific needs of students. To meet these goals the summer session planning will include provision for guaranteed course offerings, a flexible schedule, the offering of courses which meet the broad liberal arts requirements, and the offering of courses which will meet the specialized needs of clearly defined publics. In so doing, the mission of the Summer Session will be firmly within the guidelines of the overall mission of the College.
Registering for summer classes is easier than you think!
1. Choose your classes (course descriptions begin on p. 8).
2. Check your schedule for possible time conflicts (See p. 57).
3. Check admission and registration requirements (See p. 31 for graduate courses, p. 5 for undergraduate courses).
4. Fill out the enclosed forms.
5. Either mail these forms to: The Division of Graduate and Continuing Studies
   Trenton State College
   Hillwood Lakes
   CN 4700
   Trenton, NJ 08650-4700
   or: bring them to the Division of Graduate and Continuing Studies
   109 Green Hall
   Trenton State College Campus
   Mon.-Fri. 8:30 a.m. to 4:30 p.m.
   (For in-person registration dates and times, see p. 69).

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

- Admissions: 771-2131
- Advisement: 771-2647
- Bookstore, Textbook: 771-8267
- Bursar (Tuition): 771-2172
- Certification of Teaching: 771-2647
- Childcare: 771-3055
- College Store: 771-0163
- Co-op. Ed.: 771-2161
- Dean of Student Life: 771-2201
- Disabled Students: 771-2571
- Graduate and Continuing Studies: 771-2255
- Graduate Services: 771-2111
- Health: 771-2483
- Housing: 771-2301
- Library: 771-2311
- Police, Campus: 771-2167
- Recreation Center: 771-2190
- Registrar: 771-2141
- Student Center: 771-2331
- Student Teaching: 771-2408
- Summer Session: 771-2255
- Transcripts: 771-2143
- Vehicle Registration: 771-2461
- Veterans: 771-2571

For offices other than those listed, use the main college number: (609) 771-1855.
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 1987;
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 Graduate and Continuing Studies 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

VISITING STUDENTS FROM OTHER INSTITUTIONS

1. Complete the Application for Summer 1987 Undergraduate Admission (Form C).

2. With the application, submit a transcript from the last school or college attended, and a letter verifying good standing and granting permission to enroll at Trenton State College.
   a. Students enrolling from another college must submit a transcript and letter from that college granting permission to enroll at Trenton State College.
   b. Students enrolling from high school—submit a transcript and letter granting permission to enroll at Trenton State College. Once admitted, high school students may take up to six credits during summer session.

3. Submit a $10.00 Application Fee (checks should be made payable to Trenton State College).

4. Visiting student admission status is only valid for the summer of 1987.

STUDENTS INTENDING TO CONTINUE ENROLLMENT AT TRENTON STATE COLLEGE

Applicants must meet regular admission criteria. Deadlines for September matriculation are April 15 (transfer) and March 15 (freshman). Non-matriculating students must submit all required credentials at least two weeks prior to registration for summer courses.

For further information about admission, call one of the toll-free numbers below:

1-800-624-0967 in New Jersey
1-800-345-7354 in Pennsylvania, Delaware, New York, and Connecticut
SUMMER COOPERATIVE EDUCATION

Cooperative Education is a course that integrates the Trenton State College undergraduate students' classroom study with on-the-job work experience. Co-op students work for employers in positions that relate to their major or minor field of study. Because co-op is a course, an academic assignment is required of all participants. Students earn either 6 credits for full-time employment or 3 credits for part-time employment. On the average, student salaries range between $5.00-$7.00 per hour.

To be eligible for a co-op job, the undergraduate student must
• have completed 30 credit hours of work at Trenton State College
• be matriculated and have declared a major
• have at least a 2.00 grade point average

Students must check with their department concerning specific departmental rules and regulations regarding co-op in their area. For additional information about co-op contact the Career Services Center, located in 207 Green Hall or call (609) 771-2161.
African-American Studies

AAS 101/Introduction to African-American Culture I
3 cr.

This introductory humanities survey will explore the religions, philosophies, family structures, political organizations, and modes of communication found in Africa, Latin America, the Caribbean, and North America. The centrality of African religious values and worldview to the sacred and secular expressions of the four locales will be stressed, as will religion's fusion with the cultural norms of Europeans and Americans.

Class #5001
TWR 1700-1915
6/22-7/31
Instructor: Chukumba
HH 315

AAS 499/Independent Study in African-American Studies
1-6 cr.

Research on a topic involving African, Afro-American, and/or Caribbean life, culture and/or history under the supervision of faculty member in department of African-American Studies.

Hours: TBA
AAS 499A Class #5003 1 cr.
AAS 499B Class #5005 2 cr.
AAS 499C Class #5007 3 cr.
AAS 499D Class #5009 4 cr.
AAS 499E Class #5011 5 cr.
Coordinator: Dickinson

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

(See COOPERATIVE EDUCATION for description.)

Art

ART 101/Foundations of Art 3 cr.

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. Art majors take intensive work in drawing.

Class #5013
MTWR 0800-1010
6/29-7/31
Instructor: Rigby
HH 374

Class #5015
MTWR 1030-1230
6/29-7/31
Instructor: Rigby
HH 374

ART 105/Introduction to Art 3 cr.

History

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.

Class #5017
MTWR 1245-1445
6/29-7/31
Instructor: Lehman
FH 132

ART 201/Printmaking 2 cr.

(1 class hour and 3 studio hours)
Prerequisites: ART 101 or 111, and 116. Printmaking through print production, making of etchings, aquatints, engravings, dry point etchings and collage prints. Emphasis on exploring experimental contemporary developments of these techniques.

Class #5019
MTWR 1700-1900
6/29-7/31
Instructor: Brooks
HH 434

ART 302/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, silkscreen, intaglio printing, relief printing, collography, etc. Emphasis on exploring an experimental contemporary application of these techniques. May be repeated.

Class #5021
MTWR 1700-1900
6/29-7/31
Instructor: Brooks
HH 434
ART 499/Independent Study 1-6 cr.

Prerequisites: enrollment in the upper division 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 chair. For advanced work only.

Individual, self-guided course of work and study for the advanced student under the supervision of a faculty advisor and/or committee. Opportunity to develop personal interests and strength within the major field.
May be repeated.

Hours: TBA
ART 499A Class #5023 1 cr.
ART 499B Class #5025 2 cr.
ART 499C Class #5027 3 cr.
ART 499D Class #5029 4 cr.
ART 499E Class #5031 5 cr.
ART 499F Class #5033 6 cr.
Coordinator: Goldstein

ART/Cooperative Education 3,6 cr.
(See COOPERATIVE EDUCATION for description.)

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, cosmolony, time, calendar. Evening observations with telescopes and planetarium demonstrations included.
Class #5327 MTR1935-2215
6/29-7/30 Instructor: Hiack
CH 114

Biology

BIO 181, 182/Principles of Biology I, II 3,3 cr.
(2 class hours and 2 laboratory hours)
Restriction: not to be taken by biology majors without permission from the chair of the Biology Department.
Major principles of biology as they relate to humans are emphasized. Mankind's evolution, bodily organization, physiology, and relatedness to other life forms are high-
lighted in the first semester. During the second semester, the human organism, populations and ecosystems are stressed via focus on reproduction, genetics, behavior, interspecies relations and environmental quality.

BIO 181
Class #5039 MTWR1730-2050
6/15-7/9 Instructor: Lipton
CH 101-1730
CH 201-1910

BIO 182
Class #5041 MTWR1730-2050
7/13-8/6 Instructor: Rockel
NU 110-1730
CH 201-1910

BIO 183, 184/General Biology 4,4 cr.
I, 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.

BIO 183
Class #5043 MTWR0800-1245
6/15-7/9 Instructor: Staff
CH 101-0800
CH 217-1030

BIO 184
Class #5045 MTWR0800-1245
7/13-8/6 Instructor: Lipton
NU 110-0800
CH 217-1030

BIO 499/Independent Study in Biology 1-6 cr.
Prerequisite: approval of the chair.
Student pursues an original research project under the direction of a supervising professor. Results and conclusions will be presented orally to faculty and students during a second semester seminar.

Hours: TBA
BIO 499A Class #5047 1 cr.
BIO 499B Class #5049 2 cr.
BIO 499C Class #5051 3 cr.
BIO 499D Class #5053 4 cr.
BIO 499E Class #5055 5 cr.
BIO 499F Class #5057 6 cr.
Coordinator: Klug

BIO/Cooperative Education 3,6 cr.
in Biology
(See COOPERATIVE EDUCATION for description.)
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. The days and hours for the Consortium courses will be arranged. Please contact Dr. Albert Eble at (609) 771-2351 for registration information.

- Courses to be given at Sandy Hook

Courses Not Covered by the Guarantee

**BIO 132/Introduction to Marine Sciences (Oceanography)**
Class # 5058
TR1800-2115
7/7-8/13

**BIO 433/Intro. to Marine Biology**
Class # 5059
MW0900-1650
Instructor: Staff
7/6-8/12

**BIO 463/Topics: Marine Science Education**
Class # 5060
TWRFS 0900-1700
Instructor: Staff
6/23-6/27

**BIO 463A/Seashore Ornithology**
Class # 5069
TWRFS 0900-1700
5/5-5/9

**BIO 463B/Toxic Substances in the Marine Environment**
Class # 5070
TWRFS 0900-1700
5/12-5/16

**BIO 463C/Marine Fossils of the NJ Coastal Plain**
Class # 5071
TWRFS 0900-1700
6/16-6/20

**BIO 463D/Bio.—Fisheries**
Class # 5065
MTWRF0900-1700
7/6-7/10

**BIO 463E/Chem.—Water Quality**
Class # 5066
MTWRF0900-1700
7/13-7/17

**BIO 463F/Phys.—Waves, Wind and Water**
Class # 5067
MTWRF0900-1700
7/20-7/24

**BIO 463G/Geo. Shoreline Dymanics**
Class # 5068
MTWRF0900-1700
7/27-7/31

**BIO 463H/Seashore Ornithology**
Class # 5078
TWRFS 0900-1700
6/23-6/27

**BIO 499/Independent Study in Marine Sciences—Sandy Hook**
Hours: TBA
Co-ordinator: Eble
1-4 cr.

**BIO 499A**
Class # 5061
1 cr.
**BIO 499B**
Class # 5062
2 cr.
**BIO 499C**
Class # 5063
3 cr.
**BIO 499D**
Class # 5064
4 cr.

**Basic Scuba-NAUI**
For special registration form contact the Division of Graduate and Continuing Studies.

- Courses to be given at Seaville

Courses Not Covered by the Guarantee

**BIO 132/Introduction to Marine Sciences**
Class # 5072
TWRFS 0900-1700
5/26-6/9

**BIO 433/Intro. to Marine Biology**
Class # 5073
MTWRF0900-1700
6/15-7/10

**BIO 499/Independent Study in Marine Sciences—Seaville**
Hours: TBA
Co-ordinator: Eble
1-4 cr.

**BIO 499A**
Class # 5074
1 cr.
**BIO 499B**
Class # 5075
2 cr.
**BIO 499C**
Class # 5076
3 cr.
**BIO 499D**
Class # 5077
4 cr.

**Basic Scuba-NAUI**
For special registration form contact the Division of Graduate and Continuing Studies.
## Chemistry

**Chemistry CHM 201, 202/General** 4,4 cr.  
**Chemistry I, 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 required.  
**CHM 201**  
Class # 5079 MTWR0800-1300  
6/15-7/9 Instructor: Staff  
Lect: BR 126-6/15  
NU 321-6/22  
Lab: CH 319  
**CHM 202**  
Class # 5081 MTWR0800-1300  
7/13-8/6 Instructor: Staff  
Lect: NU 321  
Lab: CH 319  
**CHM 350/Fundamentals of Organic Chemistry** 3 cr.  
**Restriction:** not applicable to chemistry major.  
**Prerequisite:** CHM 202.  
A study of the homologous series of organic compounds with special emphasis on clinical applications.  
**Class # 5083** MTWR 1700-2100  
6/1-6/17 Instructor: Staff  
NU 108  
**CHM 351, 352/Organic Chemistry I, II** 5,5 cr.  
(3 class hours and 4 laboratory hours each semester)  
**Restriction:** required for chemistry majors.  
**Prerequisite:** CHM 202.  
The chemistry of organic compounds with emphasis on reaction mechanisms. Theory and descriptive material on aliphatic, alicyclic, aromatic and heterocyclic compounds.  
**CHM 351**  
Class # 5085 MTWR 0930-1320  
6/8-7/10 Instructor: Staff  
Lect: BR 127-6/8  
NU 323-6/22  
Lab: CH 339  
**CHM 352**  
Class # 5087 MTWR 0930-1320  
7/13-8/14 Instructor: Staff  
Lect: NU 323  
Lab: CH 339  
**CHM 499/Independent Study in Chemistry** 3 to 6 cr.  
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 chair. (May be repeated for credit with approval of department chair.)  
Hours: TBA  
**CHM 499A Class # 5089** 1 cr.  
**CHM 499B Class # 5091** 2 cr.  
**CHM 499C Class # 5093** 3 cr.  
**CHM 499D Class # 5095** 4 cr.  
**CHM 499E Class # 5097** 5 cr.  
**CHM 499F Class # 5099** 6 cr.  
Coordinator: Dumas  
**CHM/Cooperative Education in Chemistry** 3,6 cr.  
(See COOPERATIVE EDUCATION for description.)

## Communication & Theatre

**CTH 100/Speech I: Fundamentals of Public Speaking** 3 cr.  
The techniques of public speaking. Attention given to speaker-listener relationships, management and choice of ideas; selection and organization of materials; use of language; non-verbal elements.  
**Class # 5105** MTR1045-1325  
6/29-7/31 Instructor: Sims  
KE 113  
**CTH 212/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.  
**Class # 5107** MTR0800-1600  
6/8-6/19 Instructor: Rogosky  
FH 124
**Criminal Justice**

**CRJ 215/Juvenile Delinquency** 3 cr.

*Class #5145*  MTW 1700-1915
6/22-7/31  Instructor: Nittoli
BL 229

**CRJ 425/Internship in Criminal Justice** 4 cr.
By arrangement. May be repeated for credit.

*Class #5147*  Hours:TBA
Coordinator: Nittoli

**CRJ 499/Independent Study in Criminal Justice** 1-6 cr.
*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.

---

**Computer Science**

**CSC 108/Elements of Computing** 3 cr.
Liberal studies course. Capabilities and limitations of computers. A computer language will be studied and used to program problems in two or three specific areas of computer usage.

*Class #5131*  MTR 1045-1325
6/29-7/31  Instructor: Staff
HH 252

*Class #5133*  MTR 1645-1925
6/29-7/31  Instructor: Staff
HH 252

**CSC 215/Introduction to Computer Science I** 3 cr.
A first course designed for computer science majors and minors. The programming language PASCAL will be taught in conjunction with problem solving methods and algorithm development. Topics will include designing, coding, debugging and documenting programs using techniques of good programming style.

*Class #5135*  MTR 1340-1620
6/29-7/31  Instructor: Staff
HH 252

*Class #5137*  MTR 1935-2015
6/29-7/31  Instructor: Staff
HH 252

**CSC 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.

MAT 499A  *Class #5139*  1 cr.
MAT 499B  *Class #5141*  2 cr.
MAT 499C  *Class #5143*  3 cr.
Coordinator: Conjura

(CSC/Cooperative Education  3,6 cr.
(See COOPERATIVE EDUCATION for description.)

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**Criminal Justice**

**CRJ 215/Juvenile Delinquency** 3 cr.

*Class #5145*  MTW 1700-1915
6/22-7/31  Instructor: Nittoli
BL 229

**CRJ 425/Internship in Criminal Justice** 4 cr.
By arrangement. May be repeated for credit.

*Class #5147*  Hours:TBA
Coordinator: Nittoli

**CRJ 499/Independent Study in Criminal Justice** 1-6 cr.
*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
CRJ 499C Class # 5149  3cr.
CRJ 499F Class # 5151  6cr.
Coordinator: Lengyel

CRJ/Cooperative Education  3,6 cr. in Criminal Justice
(See COOPERATIVE EDUCATION for description.)

**English**

ENG 109/Composition II  3 cr.
**Prerequisite:** English 107.
Study and practice of major forms of writing, emphasizing the writing of a research paper.
Class # 5157 MTR1030-1245  6/22-7/31 Instructor: Brazell
HH 304
Class # 5159 MTR1645-1925  6/29-7/31 Instructor: Novick
HH 304

ENG 222/Short Story  3 cr.
**Prerequisite:** English 107.
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.
Class # 5161 MTR1030-1245  6/22-7/31 Instructor: DeMerritt
HH 372

ENG 233/Women Writers  3 cr.
(3 class hours)
**Prerequisite:** English 107.
An examination of women as serious writers in the major genres from the 17th century to the present.
Class # 5163 MTWRF0800-1600  6/8-6/19 Instructor: Friedman
WL 208

ENG 246/The Film  3 cr.
**Prerequisite:** English 107.
Background and development of the motion picture; film technique and aesthetics; film criticism.
Class # 5165 MTR1930-2145  6/22-7/31 Instructor: Novick
HH 372

ENG 345/Studies in Literature:  3 cr.
Religion in Literature
Focuses on a different topic each semester; e.g., The Bible as Literature, Asian Literature, The Twenties, Dostoevsky, etc.
Class # 5167 MTR0800-1015  6/22-7/31 Instructor: Murray
HH 372

ENG 499/Independent Study  1-6 cr.
**Prerequisite:** junior standing.
Intensive study of a literary or linguistic problem chosen through consultation between student and instructor.
Hours: TBA
ENG 499A Class # 5169  1 cr.
ENG 499B Class # 5171  2 cr.
ENG 499C Class # 5173  3 cr.
ENG 499D Class # 5175  4 cr.
Coordinator: Diskin

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

**Geoscience**

GGR 111/Introduction to Physical Geography  3 cr.
Study and integration of disciplines which give general insight into the nature of man's environment. Basic principles of natural science selected to include varied environmental influences over the earth's surface.
Class # 5183 MTR0800-1040  6/29-7/31 Instructor: Melvin
FH 223

GGR 131/World Cultures  3 cr.
(3 class hours)
Contemporary cultural regions analyzed to show similarities and diversities basic to recognition; interdependence of developed and developing nations. Applies selected theories and data of social sciences to a dynamic world.
* This Course is Not Covered by the Guarantee.
Class # 5185 MTR1045-1325  6/29-7/31 Instructor: Melvin
FH 223

GOL 120/Introduction to Geology  3 cr.
An introductory course in the principles of geology. Topics will include earthquakes, glaciers, volcanoes, natural resources, the evolution of the earth and life.
Class # 5199 MTWRF1000-1400  6/8-6/19 Instructor: Goldstein
CH 139
GOL 398/Selected Topics in Geology: Fossil Collecting in New Jersey
A study of the fossils and geological history of the State of New Jersey.
Class #5201
6/29-7/31
Instructor: Goldstein
CH 139

GGR 499/Independent Study 1-6 cr.
Prerequisite: Approval of the department.
In-depth geographic study of a carefully defined area of interest selected by the student.
Hours: TBA
GGR 499A Class #5187 1cr.
GGR 499B Class #5189 2cr.
GGR 499C Class #5191 3cr.
GGR 499D Class #5193 4cr.
GGR 499E Class #5195 5cr.
GGR 499F Class #5197 6cr.
Coordinator: Goldstein

GOL 499/Independent Study 1-6 cr.
Prerequisite: permission of the instructor.
The student pursues an original research project under the direction of a supervising professor.
Hours: TBA
GOL 499A Class #5203 1cr.
GOL 499B Class #5205 2cr.
GOL 499C Class #5207 3cr.
GOL 499D Class #5209 4cr.
GOL 499E Class #5211 5cr.
GOL 499F Class #5213 6cr.
Coordinator: Hewitt

GGR/Cooperative Education in Geography
(See COOPERATIVE EDUCATION for description.)

Mathematics

MAT 101/Foundations of Mathematics I
3 cr.
Liberal studies course. Provides intuitive and formal experiences in development and appreciation of structural bases characteristics of mathematics. Topics from Logic, Sets, and Probability.
Class #5235
6/22-7/31
Instructor: Staff
HH 117

MAT 104/Mathematics in the Liberal Arts
3 cr.
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

History

HIS 101/Western Civilization to 1648
3 cr.
Political, social, economic and intellectual developments underlying western civilization from its beginning to the dawn of the Enlightenment.
Class #5223
6/29-7/31
Instructor: Allen
FH 209

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.
Class #5225
6/29-7/30
Instructor: Faughnan
FH 209

HIS 116/Introduction to U.S. History: Modern
3 cr.
Chronological survey of major developments in American history beginning with reconstruction following the Civil War through the 1960's.
Class #5227
6/29-7/31
Instructor: Ellis
FH 209
topics chosen varies widely among sections.
Class #5239    MTWR1025-1205
6/22-7/31   Instructor: Staff
HH 117

MAT 115/Statistics I 3 cr.
Liberal studies course. Introduction to descriptive statistics and statistical inference. Topics include: averages, variability, histograms, probability, normal distribution; hypothesis testing.
Class #5241    MTWR0830-1010
6/22-7/31   Instructor: Staff
HH 118
MAT 115
Class #5243    MTWR1915-2055
6/22-7/31   Instructor: Staff
HH 117

MAT 120/Elementary Mathematical Analysis 3 cr.
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.
Class #5245    MTWR1715-1855
6/22-7/31   Instructor: Staff
HH 118

MAT 211/Introduction to Quantitative Analysis I 3 cr.
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.
Class #5247    MTWR1715-1855
6/22-7/31   Instructor: Staff
HH 120

MAT 227, 228/Calculus I, II 3,3 cr.
Liberal studies course. A two-semester course in differential and integral calculus intended for majors in mathematical sciences and physics. Prerequisite for many higher level mathematics courses. Typical topics: limits, derivatives, integrals, transcendental functions, and techniques of integration.
MAT 227
Class #5249    MTWR1025-1205
6/22-7/31   Instructor: Staff
HH 118
Class #5251    MTWR1915-2055
6/22-7/31   Instructor: Staff
HH 118
MAT 228
Class #5253    MTWR1915-2055
6/22-7/31   Instructor: Staff
HH 120

MAT 495/Independent Study in Statistics 3 cr.
Statistics
Prerequisite: MAT 116 or permission of instructor.
The student will study independently a selected area of this discipline through the use of course books and journal articles coordinating this study under supervision of advisers.
Hours: TBA
MAT 495  Class #5255
Coordinator: Iannone

MAT 498/Independent Study in Mathematics 3 cr.
Prerequisite: by invitation only.
Student will study independently an appropriate area. A departmental member will be assigned to advise the student.
Hours: TBA
MAT 498  Class #5257
Coordinator: Iannone

MAT/Cooperative Education in Mathematics 3,6 cr.
(See COOPERATIVE EDUCATION for description.)

Modern Languages

FRE 499/Independent Study in French 3 cr.
French
Prerequisite: permission of instructor
Study of advanced grammar, or of a period, genre or problem in French literature or civilization, selected following consultation between student and instructor.
Hours: TBA
Class #5261
Coordinator: Bleloch

GER 499/Independent Study in German 3 cr.
German
Prerequisite: permission of instructor
Study of a period, genre or problem in German literature or civilization, selected following consultation between student and instructor.
Hours: TBA
Class #5263
Coordinator: Winkel

SPA 101-102/Spanish for Beginners I and II 3,3 cr.
Beginners I and II
(language laboratory required)
An introduction to spoken and written Spanish, emphasizing the skills of reading,
comprehension and writing.

SPA 101

Class # 5265  MTWR1715-2100
6/8-6/25  Instructor: Murphy
KE 113

SPA 102

Class # 5267  MTWR1715-2100
6/29-7/16  Instructor: Murphy
HH 316

SPA 499/Independent Study in Spanish

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 # 5269  Coordinator: Murphy

SPA/Cooperative Education in Spanish

(See COOPERATIVE EDUCATION for description.)

Music

MUS 150/Survey of Music  3 cr.

Literature

Liberal studies offering. Examination of periods, styles and outstanding musical personalities from the Renaissance to the contemporary scene. Non-music majors only.
Class # 5287  MTR1335-2015
6/29-7/31  Instructor: Staff
BR 125

MUS 160/Music Fundamentals  3 cr.

(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.
Class # 5289  MTR1340-1620
6/29-7/31  Instructor: Staff
BR 125

MUS 272/Aural Perception II  1 cr.

(2 laboratory hours)
Develops the student's aural perception, his ability to reproduce concepts vocally, and his sight singing skills.
Class # 5291  Hours:TBA
6/8-6/19  Instructor: Staff
BR 133

MUS 371/Aural Perception II  1 cr.

(2 laboratory hours)
Continuation of Aural Perception II. Develops the student's aural perception, his ability to reproduce concepts vocally, and his sight singing skills.

Class # 5293  Hours:TBA
6/8-6/19  Instructor: Staff
BR 133

MUS 499/Independent Study  1,2,3 cr.

Prerequisite: permission of department chair.
In-depth study of a specific musical area selected through consultation between student and teacher.
Hours: TBA
MUS 499A Class # 5295  1 cr.
MUS 499B Class # 5297  2 cr.
MUS 499C Class # 5299  3 cr.
Coordinator: Potter

MUS/Cooperative Education in Music

(See COOPERATIVE EDUCATION for description.)

Philosophy

PHI 101/Introduction to Philosophy  3 cr.

Introduction to the problems and methods of philosophical thinking. Topics discussed may include: the nature and means of knowledge, the existence of God, the relation of mind and body, free will and determinism, egoism vs. altruism, rights and equality.
Readings drawn from classical and contemporary authors.
Class # 5313  MWR1030-1245
6/22-7/31  Instructor: Clouser
HH 316

PHI 120/Introduction to Logic  3 cr.

Instruction in the basic principles and techniques of correct reasoning in ordinary life and the sciences. Analysis and evaluation of deductive arguments via formal and informal methods, detection of common fallacies, inductive and statistical reasoning.
Class # 5315  MWR1300-1515
6/22-7/31  Instructor: Clouser
HH 304

PHI 499/Independent Study in Philosophy  3 cr.

Prerequisite: Permission of the department.
Independent study of a particular philosophical topic, in close consultation with a member of the department.
Hours: TBA
PHI 499C Class # 5317
Coordinator: Winston
**Political Science**

**POL 110/American National Government**
The origins and development of representative government in the United States including constitutional and extra-constitutional factors influencing governmental structure, powers, functions, and procedures.

*Class # 5349*
- MTR1340-1620
- 6/29-7/31
- Instructor: Fair
- HH 253

**POL 330/American Foreign Policy**
Formulation and execution of American foreign policy; influence of governmental agencies, private agencies, social factors and systemic conditions in the international community.

*Class # 5351*
- MTR0800-1040
- 6/29-7/31
- Instructor: Cheng
- HH 252

**POL 398/Independent Study in Political Science**
- Prerequisite: student proposals must be approved by the Political Science Department before registration.
- Independent reading or research pursued under supervision of departmental advisor; project proposals may be presented by upper-level students who have completed six semester hours of 300-400 level Political Science courses.

*Hours: TBA*

- **POL 398A**
  - Class # 5353
  - 1 cr.
- **POL 398B**
  - Class # 5355
  - 2 cr.
- **POL 398C**
  - Class # 5357
  - 3 cr.
- **POL 398D**
  - Class # 5359
  - 4 cr.
- **POL 398E**
  - Class # 5361
  - 5 cr.
- **POL 398F**
  - Class # 5363
  - 6 cr.
- Coordinator: Koch

**POL 497/Internship in Public Affairs**
- Prerequisite: permission of department.
- Supervised field experience in public agency or agency involving public affairs; program of readings and seminars integrates theory with experience in public administration and politics. (P/U grading.)

*Hours: TBA*

- **POL 497C**
  - Class # 5365
  - 3 cr.
- **POL 497D**
  - Class # 5367
  - 4 cr.
- **POL 497E**
  - Class # 5369
  - 5 cr.
- **POL 497F**
  - Class # 5371
  - 6 cr.
- Coordinator: Koch

**POL/Cooperative Education in Political Science**
- (See COOPERATIVE EDUCATION for description.)

**Physics**

**PHY 201, 202/General Physics**

4,4 cr.
I, II
(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.

*PHY 201*
- **Class # 5239**
  - MTWR0800-1200
  - Instructor: Fink
- Lect: CH 111
- Lab: CH 334
- **Class # 5331**
  - MTWR1700-2110
  - Instructor: Moses
  - Lect: CH 111
  - Lab: CH 334
- **PHY 202**
  - **Class # 5333**
    - MTWR0800-1210
    - Instructor: Hack
    - Lect: CH 111
    - Lab: CH 334
  - **Class # 5335**
    - MTWR1700-2110
    - Instructor: Gleeson
    - Lect: CH 111
    - Lab: CH 334

**PHY 499/Independent Study in Physics**
(Hours individually arranged)
- Prerequisite: permission of instructor.
- Independent study in 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.

*Hours: TBA*

- **PHY 499C**
  - Class # 5337
  - 3 cr.
- **PHY 499D**
  - Class # 5339
  - 4 cr.
- **PHY 499E**
  - Class # 5341
  - 5 cr.
- **PHY 499F**
  - Class # 5343
  - 6 cr.
- Coordinator: Hack

**PHY/Cooperative Education in Physics**
- (See COOPERATIVE EDUCATION for description.)

3,6 cr.
Psychology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 101</td>
<td>Introductory Psychology I</td>
<td>3 cr.</td>
</tr>
<tr>
<td></td>
<td>Fundamentals of psychology, stressing history and methodology, brain and behavior, principles of learning and perception, human development and personality, abnormal behavior and treatment.</td>
<td></td>
</tr>
<tr>
<td>Class #5377</td>
<td>MTWR 0800-1010</td>
<td>Instructor: Saxton</td>
</tr>
<tr>
<td>Class #5379</td>
<td>MTWR 1715-1855</td>
<td>Instructor: Gorczynski</td>
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</tbody>
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<tr>
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<tbody>
<tr>
<td>PSY 102</td>
<td>Introductory Psychology II</td>
<td>3 cr.</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: PSY 101</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Exploration and analysis of specific aspects of human functioning including cognitive processes, motivation, emotion, states of consciousness, individual differences and social behavior.</td>
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<tr>
<td>Class #5381</td>
<td>MTWR 1025-1205</td>
<td>Instructor: Staff</td>
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<tr>
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<tbody>
<tr>
<td>PSY 203</td>
<td>Statistics in Behavioral Science</td>
<td>3 cr.</td>
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<td></td>
<td>Prerequisite: PSY 101, 102 or 201.</td>
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<tr>
<td></td>
<td>Elementary calculation and interpretation of standard statistical techniques. Parametric measures up to elementary analysis of variance, factorial design. Introduction to nonparametrics.</td>
<td></td>
</tr>
<tr>
<td>Class #5383</td>
<td>MTWR 1250-1430</td>
<td>Instructor: Gorczynski</td>
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<tr>
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<tbody>
<tr>
<td>PSY 222</td>
<td>Child Psychology</td>
<td>3 cr.</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: PSY 101 or 102.</td>
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<tr>
<td></td>
<td>Psychological, physical and social development of children. Theories of development include learning dynamic and cognitive theories.</td>
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<tr>
<td>Class #5385</td>
<td>MTWR 1250-1430</td>
<td>Instructor: Staff</td>
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<tbody>
<tr>
<td>PSY 224</td>
<td>Adolescent Psychology</td>
<td>3 cr.</td>
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<tr>
<td></td>
<td>Prerequisite: PSY 101 or 102.</td>
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<td></td>
<td>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, school and community influences on development.</td>
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<tr>
<td>Class #5387</td>
<td>MTWR 1045-1325</td>
<td>Instructor: Waterman</td>
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<tr>
<td>PSY 313</td>
<td>Learning, Memory and Motivation</td>
<td>3 cr.</td>
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<tr>
<td></td>
<td>The purpose of this course is to examine the fundamental principles of major learning theories, memory and attention, motivation, and their application to human life experiences.</td>
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</tr>
<tr>
<td>Class #5389</td>
<td>MTWR 1030-1230</td>
<td>Instructor: Saxton</td>
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<tbody>
<tr>
<td>PSY 316</td>
<td>Psychology of Personality</td>
<td>3 cr.</td>
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<tr>
<td></td>
<td>Prerequisite: PSY 101 and 3 additional s.h. of psychology.</td>
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<tr>
<td></td>
<td>Contemporary approaches to the study of personality. Detailed treatment of various modern theories of personality. Major determinants and dynamics of personality organization.</td>
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</tr>
<tr>
<td>Class #5391</td>
<td>MTWR 1340-1620</td>
<td>Instructor: Waterman</td>
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<tbody>
<tr>
<td>PSY 331</td>
<td>Introduction to Abnormal Psychology</td>
<td>3 cr.</td>
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<tr>
<td></td>
<td>Prerequisite: 6 s.h. of psychology.</td>
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<tr>
<td></td>
<td>Principal types of behavior pathology, including neurotic, psychotic and psychopathic disorders. Variables which theories and research indicate as important in the development of abnormal behavior.</td>
<td></td>
</tr>
<tr>
<td>Class #5393</td>
<td>MTWR 1030-1230</td>
<td>Instructor: Saxton</td>
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<tbody>
<tr>
<td>PSY 333</td>
<td>Mental Health</td>
<td>3 cr.</td>
</tr>
<tr>
<td></td>
<td>Prerequisite: 6 s.h. of psychology.</td>
<td></td>
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<tr>
<td></td>
<td>Examination of problems involved in self-understanding and understanding of others. Discussion of personality and personal value systems. Elementary discussion of common behavior problems.</td>
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</tr>
<tr>
<td>Class #5395</td>
<td>MTWR 0930-1600</td>
<td>Instructor: Hohmuth</td>
</tr>
</tbody>
</table>

18
PSY 499/Independent Study 1-6 cr.
in Psychology

Prerequisite: permission of instructor and department.

For advanced students. In-depth study of specific topic in psychology. Formal proposal must be submitted to department and approved before the student can register for independent study.

Hours: TBA

PSY 499A Class # 5397 1 cr.
PSY 499B Class # 5399 2 cr.
PSY 499C Class # 5401 3 cr.
PSY 499D Class # 5403 4 cr.
PSY 499E Class # 5405 5 cr.
PSY 499F Class # 5407 6 cr.

Coordinator: Sarafino

PSY/Cooperative Education in Psychology

(See COOPERATIVE EDUCATION for description.)

Religion

REL 151/Comparative Religion 3 cr.
(3 class hours)

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.

Class # 5319 MWR0800-1015 6/22-7/31 Instructor: Brahinsky
HN 315

REL 497/Independent Study in Religion 3 cr.

Prerequisite: Permission of the department.

Independent study of a particular topic in religion, in close consultation with a member of the department.

Hours: TBA

REL 499C Class # 5321 3 cr.

Coordinator: Winston

Sociology/Anthropology/Social Work

SOC 101/Introductory Sociology 3 cr.
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.

Class # 5413 MTTR1030-1245
6/22-7/31 Instructor: Ismail
BL 228

Class # 5415 MTR1700-1915
6/22-7/31 Instructor: Ismail
BL 228

SOC 325/Topics in Sociology: Sociology of Oppression 3 cr.

Prerequisite: permission of instructor.

Racism, sexism, and other societal sources of oppression will be analyzed. Students will also be taught re-evaluation counseling techniques as a means of achieving self-understanding and control of societal oppression.

Class # 5417 MTWRF 0930-1200 1300-1530
6/8-6/19 Instructor: Robboy
LIB 222

SOC 402/Independent Study in Sociology 3 cr.

Prerequisites: SOC 101 and permission of instructor and department.

For advanced students. In-depth study of specific topic in sociology. Formal proposal must be submitted to department and approved before the student can register for independent study.

Hours: TBA

SOC 402A Class # 5419 1 cr.
SOC 402B Class # 5421 2 cr.
SOC 402C Class # 5423 3 cr.
Coordinator: Anderson

SOC/Cooperative Education in Sociology 3,6 cr.

(See COOPERATIVE EDUCATION for description.)
### Accounting

**ACC 260/Accounting Principles I** 3 cr.  
Basic course in financial accounting including study of the accounting cycle, classification and valuation of assets and periodic income measurement. Particular emphasis on the analysis of financial information from a user's perspective.  
**Class # 5433**  
6/8-7/2  
Instructor: Staff  
BR 125

**ACC 261/Accounting Principles II** 3 cr.  
*Prerequisite: ACC 260 or 262*  
Cost-volume-profit analysis, cost systems, budgeting and performance evaluation for goal congruence, funds-flow statement, and statement analysis designed for the future manager and decision-maker.  
**Class # 5435**  
7/6-7/30  
Instructor: Staff  
BL 129

### Business Administration

**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.  
**Class # 5445**  
6/29-7/31  
Instructor: Liu  
BL 124

**BUS 497/Business and Computer Usage Skills** 1 cr.  
The following hands-on, application-oriented instruction modules offer students an opportunity to learn to use the microcomputer as a tool for problem solving and an aid in decision making in classes and on the job.  
**BUS 497A Topic: Introduction to Microcomputer and Its Operating System**  
*This Course Is Not Covered by the Guarantee.*  
**Class # 5447**  
6/1-6/5  
Instructor: Letcher  
BL 28

**BUS 497B Topic: Introduction to the Use of Spreadsheets** 1 cr.  
*This Course Is Not Covered by the Guarantee.*  
**Class # 5449**  
6/1-6/5  
Instructor: Letcher  
BL 28

**BUS 497C Topic: Word Processing** 1 cr.  
*This Course Is Not Covered by the Guarantee.*  
**Class # 5451**  
6/8-6/12  
Instructor: Letcher  
BL 28

**BUS 497D Topic: Introduction to Microcomputer and Its Operating System** 1 cr.  
*This Course Is Not Covered by the Guarantee.*  
**Class # 5453**  
6/8-6/12  
Instructor: Letcher  
BL 28

**BUS 497E Topic: Introduction to the Use of Spreadsheets** 1 cr.  
*This Course Is Not Covered by the Guarantee.*  
**Class # 5455**  
6/15-6/19  
Instructor: Letcher  
BL 28

**BUS 497F Topic: Database** 1 cr.  
*This Course Is Not Covered by the Guarantee.*  
**Class # 5456**  
6/15-6/19  
Instructor: Letcher  
BL 28

**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 advisor. (Independent study activities may not be substituted for required courses in an individual's major program.)  
Hours: TBA  
**BUS 499A**  
Class # 5457  
1 cr.  
**BUS 499B**  
Class # 5458  
2 cr.  
**BUS 499C**  
Class # 5459  
3 cr.  
**BUS 499D**  
Class # 5460  
4 cr.  
**BUS 499E**  
Class # 5461  
5 cr.  
**BUS 499F**  
Class # 5462  
6 cr.  
Coordinator: Patrick

**BUS/Cooperative Education in Business** 3,6 cr.
Business Education and Administrative Office Management

BDE 102/Introductory  2 cr.
Keyboarding/Typewriting
(3 class hours)
Development of basic skills on straight copy material at a minimum speed level of 35 words a minute. Application of basic skills with tabulation, correspondence and manuscript problems.
Class #5439  MTR1045-1325
6/29-7/31  Instructor: Shenker
BL 29

BDE 103/Advanced Keyboarding/Typewriting  2 cr.
(3 class hours)
Prerequisite: BDE 102
Development of basic skills on straight copy at a minimum speed level of 50 words a minute. Emphasis upon the refinement of production skills in correspondence, manuscripts, financial statements, business forms and legal documents.
Class #5441  MTR1045-1325
6/29-7/31  Instructor: Shenker
BL 28

ECONOMICS

ECO 201/Principles of Economics: Macro  3 cr.
(3 class hours)
Macroeconomics: an introduction to economic concepts and their application to problems of unemployment, inflation and economic growth. Government fiscal and monetary policies are examined.
Class #5463  MTWR0930-1200
7/6-7/30  Instructor: Hall
BL 125

ECO 202/Principles of Economics: Micro  3 cr.
An introduction to the analysis of price determination in product and resource markets under varying market structures within parameters set forth in a capitalistic system.
Class #5465  MTWR1040-1310
6/8-7/2  Instructor: Breslin
BL 128-6/8
BL 125-6/22

MANAGEMENT

MGT 310/Management Principles  3 cr.
Prerequisite: junior standing.
An overview of management theory and practices in public, private, and international organizations with emphasis on the management functions of planning, organization, leading, and controlling.
Class #5481  MTR1340-1620
6/29-7/31  Instructor: Hofmann
BL 125
Class #5483  MTR1645-1925
6/29-7/31  Instructor: Hofmann
BL 125

MARKETING

MKT 345/Sales  3 cr.
Prerequisite: MKT 340.
The sales function in a marketing organization; study and analysis of sales strategy and methods; techniques for effective selling; introduction to sales management.
Class #5485  MTWR1000-1200
6/8-6/19  Instructor: Koenig
1300-1500
BL 129
SCHOOL OF EDUCATION

Early Childhood Education

ECE 498/Independent Study in Early Childhood Education
Prerequisite: departmental approval.
An in-depth independent study of an aspect of early childhood education chosen through consultation between the student and a faculty advisor.
Hours: TBA
ECE 498A Class #5509 1 cr.
ECE 498B Class #5511 2 cr.
ECE 498C Class #5513 3 cr.
Coordinator: Durkin

ECE/Cooperative Education in Early Childhood Education
(See COOPERATIVE EDUCATION for description.)

Educational Field Experiences

SEC 491/Seminar in Supervised Teaching: Secondary and Special Fields—Observation and Participation
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.
Class #5609 MTWR 0830-1300
6/15-7/22 Instructor: Farber
FH 201
FH 202

Elementary Education

EDM 325/Teaching Science and Social Studies in the Elementary School (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 326.)
Class #5515 MTR 1045-1325
6/29-7/31 Instructor: Staff
FH 319

EDM 498/Independent Study in Elementary Education
Prerequisite: departmental approval.
An independent study of an aspect of elementary education chosen through consultation between the student and a faculty advisor.
Hours: TBA
EDM 498A Class #5517 1 cr.
EDM 498B Class #5519 2 cr.
EDM 498C Class #5521 3 cr.
Coordinator: Durkin

EDM/Cooperative Education in Elementary Education
(See COOPERATIVE EDUCATION for description.)

Educational Foundations

EDF 400/The Teacher in School and Community*
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.
*Fulfills human and intercultural relations certification requirement.
Class #5497 MTWR 1030-1230
6/29-7/31 Instructor: Morrison
FH 256

EDF 499/Independent Study in Educational Foundations
Prerequisite: permission of major department chair.
Intensive study of a selected area chosen through consultation between student and instructor.
Hours: TBA
EDF 499C Class #5499
Coordinator: Morrison
Health Education

HED 150/Contemporary Health 2 cr.
Problems
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.
Class #5539 MTWRF 1700-1915
Instructor: McCorkle
PA 103

Class #5541 MTR1340-1620
Instructor: Chilakos
PA 103

HED 356/Foundations of Sex 3 cr.
Education
Class #5543 MTWRF 0800-1600
Instructor: Brown
PA 103

HED 358/Perspectives on Aging, 3 cr.
Death and Dying
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.
Class #5545 MTR0800-1040
Instructor: Herzstein
FH 204

HED 453/Alcohol and Narcotics 3 cr.
Workshop
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.
Class #5547 MTWR1700-1915
Instructor: Herzstein
FH 204

HED 491/Practicum in Health 12 cr.
Services
The major focus of the practicum is upon assisting the student in becoming familiar with the organization, operation and services of a particular agency or agencies. A series of planned experiences will include exposure to the existing legal, political, educational and health structures and the rules and regulations pertaining thereto.
Class #5549 Hours:TBA
6/1-8/31 Instructor: Staff

HED/Cooperative Education 3,6 cr.
in Health
(See COOPERATIVE EDUCATION for description.)

HED 499/Independent Study 3 cr.
in Health
Prerequisite: approval of topic by department; for advanced students
In-depth study of a carefully defined area of health.
Hours: TBA
HED 499A Class #5550 1 cr.
HED 499B Class #5551 2 cr.
HED 499C Class #5552 3 cr.
Coordinator: Wright

Physical Education

See also: Health Education; Safety

PED 131/Golf 1 cr.
Development of golfing skills, plus knowledge of basic rules and etiquette. Field trips may be required at student expense.
Class #5553 MTWRF 1245-1530
6/8-6/19 Instructor: Oshel
Class #5555 MTWRF 1530-1800
6/8-6/19 Instructor: Oshel

PED 201/Aquatics I 1 cr.
Class #5557 MTWRF 1930-2200
6/8-6/19 Instructor: McCorkle
PA 103 Pool
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PED 20-204/Human</td>
<td>Anatomy and Physiology</td>
<td>3.3 cr.</td>
<td>Structure and function of the various tissues, organs, and systems of the human body, with applications of structural and functional relationships pertinent to the professions of health and physical education. NOTE: This course is not intended for nursing majors.</td>
</tr>
<tr>
<td>PED 204</td>
<td>Class #5559</td>
<td>MTWR 0800-1205</td>
<td>Instructor: Chilakos</td>
</tr>
<tr>
<td>PED 204</td>
<td>Class #5561</td>
<td>MTWR 0800-1205</td>
<td>Instructor: Chilakos</td>
</tr>
<tr>
<td>PED 212/Tennis</td>
<td></td>
<td></td>
<td>Development of basic skills, knowledge of etiquette and rules of tennis. Emphasis on ability to perform, mechanical analysis and teaching techniques.</td>
</tr>
<tr>
<td>PED 351/Stress Management</td>
<td></td>
<td>3 cr.</td>
<td>Designed to help individuals relax, energize and cope through learning strategies for desensitization to stressful situations, enhancement of self-image and development of scientific relaxation techniques. A small additional fee may be required.</td>
</tr>
<tr>
<td>PED 393/Pacticum I</td>
<td></td>
<td>3.6 cr.</td>
<td>Emphasis upon practical experience, observation, participation and organization of programs of fitness, healthful living or recreational skills sponsored by publicly or privately supported agencies or businesses.</td>
</tr>
<tr>
<td>PED 393/Pacticum II</td>
<td></td>
<td>3-6 cr.</td>
<td>Emphasis upon practical experience, research, observation, participation, organization, administration and supervision in programs of fitness, healthful living or recreational skills sponsored by publicly or privately supported agencies or businesses.</td>
</tr>
<tr>
<td>PED 499A/Independent Study</td>
<td></td>
<td>1-6 cr.</td>
<td>in Physical Education</td>
</tr>
<tr>
<td>Reading</td>
<td>RDG 324/Reading/Language Arts</td>
<td>3 cr.</td>
<td>in Elementary Education</td>
</tr>
<tr>
<td>Reading</td>
<td>RDG 328/Teaching Reading in the Middle and Senior High School</td>
<td>2 cr.</td>
<td>A study of the theory and practice of teaching reading in the middle school, junior high school and senior high school. Content includes: a study of the reading process; the identification and application of comprehension and study skills to be stressed in the content areas; the planning of Directed Reading Activity; motivation for the reluctant reader; the identification of problem readers with prescribed instructional remediation.</td>
</tr>
</tbody>
</table>
RDG 422/Diagnosis of Reading 2 cr.
Difficulties
General nature of reading difficulties; identification, causes, diagnosis, analysis and corrective procedures. Included is the administration of an informal reading test with diagnosis and prescription based on the results.
Class #5527 MTR1045-1325
6/29-7/31 Instructor: Staff
FH 349
RDG 498/Independent Study in Reading 1-3 cr.
Class #5529 MTR1045-1325
6/29-7/31 Instructor: Staff
FH 349
RDG 498A Class #5529 1cr.
RDG 498B Class #5531 2cr.
RDG 498C Class #5533 3cr.
Coordinator: Durkin

Recreation

REC 395/Fieldwork in Recreation 3 cr.
Experiences in Recreation
(6 laboratory hours)
Prerequisites: 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.
Class #5585
Instructor: Oshel

REC 493/Internship in Recreation 12 cr.
Prerequisites: senior standing, major in recreation.
Full semester of internship during the senior year with approved professionals in selected recreation programs. Direct supervision by professionals 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).
Class #5587
Instructor: Oshel

REC 499/Independent Study in Recreation 1-6 cr.
Prerequisite: approval of topic by department.
For advanced students; in-depth study of a carefully defined area of recreation.
Hours: TBA
REC 499A Class #5589 1 cr.

REC 499B Class #5591 2cr.
REC 499C Class #5593 3cr.
REC 499D Class #5595 4cr.
REC 499E Class #5597 5cr.
REC 499F Class #5599 6cr.
Coordinator: Oshel

REC/Cooperative Education in Recreation 3,6 cr.
(See COOPERATIVE EDUCATION for description.)

Safety

SAF 204/Emergency Care 3 cr.
Basic safety and emergency first aid knowledge and skills with opportunity to attain American Red Cross CPR and First Aid certification.
Class #5605 MTWRF 1230-1500
6/1-6/19 Instructor: Fisher
PA 126

SAF 335/Driver Education 3 cr.
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.
Class #5607 MTWRF 0900-1200
6/22-7/10 Instructor: Medve
PA 104
SCHOOL OF TECHNOLOGY EDUCATION

Electronics Engineering Technology

EET 489/Senior Project I  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.
Class # 5643  T1800-2200
6/22-8/28  Instructor: Katz
AR 54

EET 490/Senior Project II  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.
Class # 5645  T1800-2200
6/22-8/28  Instructor: Katz
AR 54

EET 497/Independent Study  1-6 cr.
Prerequisites: permission of instructor and dean of School Of Technology.
For advanced students wishing to pursue a special area of interest. Topic developed in consultation with a faculty advisor.
Hours: TBA
EET 497A  Class # 5647  1 cr.
EET 497B  Class # 5649  2 cr.
EET 497C  Class # 5651  3 cr.
EET 497D  Class # 5653  4 cr.
EET 497E  Class # 5655  5 cr.
EET 497F  Class # 5657  6 cr.
Coordinator: Thrower

EET/Cooperative Education  3,6 cr.
in Electronics Engineering Technology
(See COOPERATIVE EDUCATION for description.)

Industrial Education Technology

IET 215/Computer Aided Drafting  3 cr.
An introduction to the utilization of computer technology for drafting; to create or modify engineering and architectural designs in the production of a product. The course is laboratory oriented covering topics such as sketching, dimensioning, hatching, isometric drawings, basic drafting entities, layering, digitizing, blocking, and plotting.
Class # 5661  MTWR1715-2055
6/22-7/9  Instructor: Katz
AR 6

IET 466/Workshop in Industrial Engineering Technology
Topic: Computer Aided Drafting
Prerequisites: recommendation of faculty advisor, approval of department chair.
Advanced course dealing with topics in industrial engineering technology, laboratory and theoretical study.
Class # 5663  MTWR1715-2055
7/13-7/30  Instructor: Hess
AR 6

IET 497/Independent Study  1-6 cr.
Prerequisites: permission of instructor and dean.
For advanced students wishing to pursue a special area of interest. Topic developed in consultation with faculty advisor.
Hours: TBA
IET 497A  Class # 5665  1 cr.
IET 497B  Class # 5667  2 cr.
IET 497C  Class # 5669  3 cr.
IET 497D  Class # 5671  4 cr.
IET 497E  Class # 5673  5 cr.
IET 497F  Class # 5675  6 cr.
Coordinator: Thrower

IET/Cooperative Education  3,6 cr.
in Industrial Education Technology
(See COOPERATIVE EDUCATION for description.)
# Mechanical Engineering Technology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MET 283</td>
<td>Engineering Materials</td>
<td>3 cr.</td>
<td>(2 class hours and 3 laboratory hours) ChM 101 or 201</td>
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<tr>
<td></td>
<td>Study of fundamentals of metallurgy and properties of engineering</td>
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<tr>
<td></td>
<td>materials including ferrous and non-ferrous metals, plastics and</td>
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<tr>
<td></td>
<td>wood</td>
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<td>AR 33</td>
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## Technology Education

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<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
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</thead>
<tbody>
<tr>
<td>TED 497</td>
<td>Independent Study</td>
<td>1-6 cr.</td>
<td>Permission of instructor and dean.</td>
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<tr>
<td></td>
<td>For advanced students wishing to pursue a special area of interest.</td>
<td></td>
<td>Topic developed in consultation with faculty advisor.</td>
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<tr>
<td></td>
<td>Hours: TBA</td>
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<tr>
<td>TED 497A</td>
<td>Class #5701</td>
<td>1 cr.</td>
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<tr>
<td>TED 497B</td>
<td>Class #5703</td>
<td>2 cr.</td>
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<tr>
<td>TED 497C</td>
<td>Class #5705</td>
<td>3 cr.</td>
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<tr>
<td>TED 497D</td>
<td>Class #5707</td>
<td>4 cr.</td>
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<tr>
<td>TED 497E</td>
<td>Class #5709</td>
<td>5 cr.</td>
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<td>TED 497F</td>
<td>Class #5711</td>
<td>6 cr.</td>
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<td>Coordinator: Thrower</td>
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## Vocational Education

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<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
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</thead>
<tbody>
<tr>
<td>VOC 391</td>
<td>Foundations of Vocational Education</td>
<td>3 cr.</td>
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<tr>
<td></td>
<td>Review of the sociological, philosophical and psychological</td>
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<td></td>
<td>foundations of vocational education with specific focus on its</td>
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<td></td>
<td>historical roots, present goals, values and contributions.</td>
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<td></td>
<td>An overview of the American Educational system and how vocational</td>
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<td>education fits into the scenario. A review of vocational programs,</td>
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<td></td>
<td>students, facilities and responsibilities of teachers.</td>
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<tr>
<td>Class #5717</td>
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<td></td>
<td>MTR1700-1915</td>
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<td></td>
<td>Instructor: Alexander</td>
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<tr>
<td>AR 73</td>
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## MET/Cooperative Education

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>MET 497</td>
<td>Independent Study</td>
<td>1-6 cr.</td>
<td>Permission of instructor and dean.</td>
</tr>
<tr>
<td></td>
<td>For advanced students wishing to pursue a special area of interest.</td>
<td></td>
<td>Topic developed in consultation with faculty advisor.</td>
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<tr>
<td></td>
<td>Hours: TBA</td>
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<tr>
<td>MET 497A</td>
<td>Class #5687</td>
<td>1 cr.</td>
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</tr>
<tr>
<td>MET 497B</td>
<td>Class #5689</td>
<td>2 cr.</td>
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<tr>
<td>MET 497C</td>
<td>Class #5691</td>
<td>3 cr.</td>
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<tr>
<td>MET 497D</td>
<td>Class #5693</td>
<td>4 cr.</td>
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<tr>
<td>MET 497E</td>
<td>Class #5695</td>
<td>5 cr.</td>
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<tr>
<td>MET 497F</td>
<td>Class #5697</td>
<td>6 cr.</td>
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<td></td>
<td>Coordinator: Thrower</td>
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## Co-operative Education in Technology Education

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>TED/COOP</td>
<td>Education in Technology Education</td>
<td>3,6 cr.</td>
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<td>(See COOPERATIVE EDUCATION for description.)</td>
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## Vocational Education

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC 393</td>
<td>Managing Learning in Vocational Education</td>
<td>3 cr.</td>
<td>VOC 391</td>
</tr>
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<td>Identification and selection of teaching strategies, techniques and</td>
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<td>behaviors which facilitate learning. Emphasis on lesson planning,</td>
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<td></td>
<td>developing behavioral objectives, evaluation, safety and the effects</td>
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<td></td>
<td>of group processes on the learning environment. Specific focus on</td>
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<td></td>
<td>classroom climate, verbal and nonverbal communication,</td>
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<td></td>
<td>transactional analysis, leadership development and interaction</td>
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<td></td>
<td>analysis procedures.</td>
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<tr>
<td>Class #5719</td>
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<td>MTR1930-2145</td>
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<td></td>
<td>Instructor: Alexander</td>
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<td>AR 73</td>
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</tbody>
</table>
VOC 466/Workshop in Vocational 1-3 cr.
Education Topic: Industry Update
Prerequisites: recommendation of faculty advisor, approval of department chair
Advanced course dealing with technical experiences in vocational education, laboratory and theoretical study. Designed to increase effectiveness as a teacher of vocational education by providing experiences in specialized areas made necessary by changes in technology.

MTWR 0900-1600

VOC 466A Class # 5721 1 cr.
VOC 466B Class # 5723 2 cr.
VOC 466C Class # 5725 3 cr.
AR 73 Instructor: Alexander

VOC 497/Independent Study in Vocational Education 1-6 cr.
Prerequisites: permission of instructor and dean of School of Technology
For advanced students wishing to pursue a special area of interest. Topic developed in consultation with a faculty advisor.

Hours: TBA
VOC 497A Class # 5727 1 cr.
VOC 497B Class # 5729 2 cr.
VOC 497C Class # 5731 3 cr.
VOC 497D Class # 5733 4 cr.
VOC 497E Class # 5735 5 cr.
VOC 497F Class # 5737 6 cr.
Coordinator: Alexander
GRADUATE ADMISSION

GRADUATE COURSE OFFERINGS
In order to complete a graduate degree program or a non-degree program, the applicant must apply for admission and become matriculated into a formal program of study.

The prospective student is required to submit a completed application, official transcripts of all previous college or university work, test scores from the required nationally standardized test identified by the specific program, and a $10 non-refundable check or money order payable to Trenton State College.

Students who have completed this process and have been accepted for matriculation by May 15 will be allowed to enroll in summer courses.

Pre-Matriculated Students
A student who is required to complete specified preparatory study will be informed of the prerequisites which must be completed within a two year period. Upon completion of all requirements, the applicant will be eligible to file for matriculated status.

Special-Admission Students
The special admission category is intended for graduate students taking courses for professional or personal growth only.

At least two weeks before registration for classes, a special-admission student must submit a completed admission application; a non-refundable check or money order for $10; and an official transcript from an accredited college or university showing the highest degree attained. A minimum cumulative undergraduate average of 2.75 (on a 4-point scale), or a minimum average of 3.0 in the undergraduate major is required.

Students admitted to the special-admission category may not apply for matriculation at a future date. For this reason, a student is encouraged to apply for matriculation now if there is a possibility that he or she may wish to pursue a degree or certificate program in the future.

Students from Foreign Countries
Students from countries in which English is not the native language must submit the results of the Test of English as a Foreign Language as part of the matriculation application.

Information on the Graduate Record Examination and the Test of English as a Foreign Language is available in the Registrar’s Office at Trenton State College and also directly from Educational Testing Service, Princeton, NJ 08541.

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 Office of Admissions, room 105 in Green Hall or phone (609) 771-2131.
Biology

BIO 597/Advanced Topics in Biology
An advanced course devoted to an in-depth study of current or specialized topics selected by the faculty and approved by the department.
Topic: Environmental Health
Class # 8001 MTW 1700-1915
6/22-7/31 Instructor: Rose
NU 321

BIO 697/Independent Study in Biology
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
BIO 697A Class # 8011 1 cr.
BIO 697B Class # 8012 2 cr.
BIO 697C Class # 8013 3 cr.
Coordinator: Shevlin

BIO 698/Departmental Project in Science Education (Biological Science)
Prerequisite: Open only to matriculated graduate students with a concentration in biological sciences.
A critical independent study of an aspect of science education of interest to the student that is explored under faculty guidance.
Hours: TBA
Class # 8022 Coordinator: Shevlin

BIO 699/Thesis/Creative Project in Science Education (Biological Science)
Prerequisite: Open only to matriculated students with a concentration in biological sciences.
An original research or creative study under the guidance of a thesis committee approved by the Graduate Committee.
Hours: TBA
Class # 8023 Coordinator: Shevlin

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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.

The days and hours for the Consortium courses will be arranged. Please contact Dr. Albert Eble at (609) 771-2351 for registration information.

- Courses to be given at Sandy Hook

BIO 597/Seashore Ornithology
Class # 8003 MTWRF 0900-1700
5/5-5/9

BIO 597A/Toxic Substances in the Marine Environment
Class # 8004 MTWRF 0900-1700
5/12-5/16
Instructor: Eble

BIO 597C/Marine Fossils of the NJ Coastal Plain
Class # 8005 MTWRF 0900-1700
6/16-6/20

BIO 597D/Bio.-Fisheries Techniques
Class # 8006 MTWRF 0900-1700
7/6-7/10

BIO 597E/Chem.-Water Quality
Class # 8007 MTWRF 0900-1700
7/13-7/17

BIO 597F/Phys.-Waves, Wind and Water
Class # 8008 MTWRF 0900-1700
7/20-7/24
BIO 697G/Geo. Shoreline 1 cr.
Dynamics
Class # 8009 MTWRF 0900-1700
7/27-7/31

BIO 697/Independent Study 1-4 cr.
in Marine Sciences—
Sandy Hook
Hours: TBA
BIO 697A Class # 8014 1 cr.
BIO 697B Class # 8015 2 cr.
BIO 697C Class # 8016 3 cr.
BIO 697D Class # 8017 4 cr.
Coordinator: Eble

For special registration forms contact the
division of Graduate and Continuing Studies.

• Courses to be given at Seaville

Courses Not Covered by the Guarantee
BIO 597H/Seashore Ornithology 1 cr.
Class # 8010 MTWRF 0900-1700
6/23-6/27

BIO 697/Independent Study 1-4 cr.
in Marine Sciences
Hours: TBA
BIO 697A Class # 8018 1 cr.
BIO 697C Class # 8019 2 cr.
BIO 697D Class # 8020 3 cr.
BIO 697E Class # 8021 4 cr.
Coordinator: Eble

For special registration forms contact the
division of Graduate and Continuing Studies.

Communication & Theatre

CTH 697/Independent Study in 1-3 cr.
Communication and Theatre
In-depth exploration of a topic within a
specific area of the discipline involving
supervised reading, research and regular
conferences with the faculty advisor. Work
may be coordinated with participation in per-
formance activities when appropriate.
Hours: TBA
CTH 697A Class # 8025 1 cr.
CTH 697B Class # 8027 2 cr.
CTH 697C Class # 8029 3 cr.
Coordinator: McCullough

Computer Science

CSC 599/Independent Study in 1-3 cr.
Computer Science
Prerequisite: by invitation only
The student will study independently a
selected area of computer science through
the use of course books, journal articles, and
computing experience, coordinating this
study under the supervision of his advisors.
Hours: TBA
Class # 8030
Coordinator: Boliver

English

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 con-
temporary literature.
Class # 8031 MTR 1300-1515
6/22-7/31 Instructor: Levin
HH 315

ENG 614/Milton
A detailed examination of Milton's poetry
and prose writings, with some attention also
to Milton's career as a political figure and to
his writings on social, political and religious
problems.
Class # 8033 MTR 1025-1205
6/22-7/31 Instructor: Brown
HH 204

ENG 697/Independent Study in 1-3 cr.
English
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
ENG 698A Class # 8035 1 cr.
ENG 698B Class # 8037 2 cr.
ENG 698C Class # 8039 3 cr.
ENG 698D Class # 8041 4 cr.
Coordinator: Diskin
### Mathematics

**MAT 696/Independent Study in Statistics**
3 cr.

The student will study independently a selected area of statistics through the use of source books and articles reported in statistics journals.

- **Hours:** TBA
- **Class # 8051**
- **Coordinator:** Boliver

**MAT 697/Independent Study in Mathematics**
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 # 8052**
- **Coordinator:** Boliver

### Music

**MUS 591/Principles of Education in Vocal Music**
3 cr.

*Corequisite:* MUS 562

- Designed to help accomplish the needs of voice teaching on all levels of learning: basic pedagogical principles of vocal production; knowledge of a variety of appropriate vocal materials; understanding the growth process through which vocal skills develop.
- **Class # 8056**
- **MTR1645-1925**
- **Instructor:** Mendoza
- **BR 128**

**MUS 593/Problems of the Marching Band**
2 cr.

A complete process for the development of marching band work which serves valid music education goals. Every phase covered including festivals and contests. Problems brought to class by those enrolled are discussed; practical workshop experiences are included. Development of football shows featured.

- **Class # 8057**
- **MTR1645-1825**
- **Instructor:** Staff
- **BR 125**

**MUS 626/Repertoire—Art Song**
2 cr.

Exposure to the art song of all period and styles. Texts, vocal line, technical requirements and functional uses examined. Various stylistic interpretations considered. Sequencing for the development of musicianship featured.

- **Class # 8058**
- **MTR1935-2015**
- **Instructor:** Hickman
- **BR 126**
MUS 671/Advanced Conducting III
Prerequisite: MUS 670
Required for candidates using "Conducting" for their required performance project.
Class # 8059 MTR1935-2015
6/29-7/31 Instructor: Silvester
BR 127

MUS 697/Independent Study 1-3 cr.
(Open to M.A. and M.Ed. candidates)
In-depth of a specific musical subject area selected after consultation between the student and the Coordinator of Graduate Music. Prerequisites to be determined for each enrollee by the Coordinator of Graduate Music and a faculty member possessing expertise and interest in the specific area of study.
Hours: TBA
MUS 697A Class # 8061 1 cr.
MUS 697B Class # 8063 2 cr.
MUS 697C Class # 8065 3 cr.
Coordinator: Potter

MUS 698/Department Project 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 Coordinator of Graduate Music appoints a committee to assist each candidate with the project.
Hours: TBA
Class # 8067 6/29-7/31 Instructor: Potter

MUS 699/Thesis/Creative Project in Music Education
(Open to M.A. and M.Ed. candidates)
An original research or creative study under the guidance of a thesis committee.
Class # 8069 Hours: TBA 6/29-7/31 Instructor: Potter

Physics

PHY 551/Techniques for Demonstration and Laboratory Experiences in the Natural Sciences
Examination, presentation and evaluation of demonstrations and student laboratory activities. Research and discussion of issues, practical ideas and trends related to these activities. Emphasis in improvement of science laboratory instruction in terms of personal skills and curricular materials.
Class # 8105 MTR1045-1325
6/29-7/31 Instructor: Pregger
CH 113

PHY 697/Independent Study in Physics
In-depth exploration of a topic within a specific area of the discipline involving supervised reading, research and regular conferences with the faculty advisor. May be repeated for credit if topics differ.
Hours: TBA
PHY 697A Class # 8107 1 cr.
PHY 697B Class # 8109 2 cr.
PHY 697C Class # 8111 3 cr.
PHY 697D Class # 8113 4 cr.
PHY 697E Class # 8115 5 cr.
PHY 697F Class # 8117 6 cr.
Coordinator: Pregger

PHY 698/Department Project in 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 program whose area of concentration is physics or general science. May be repeated for credit if topics differ.
Hours: TBA
Class # 8119 Instructor: Pregger

PHY 699/Thesis/Creative Project in Science Education (Physical Science, General Science)
Prerequisite: Permission of the student's advisor.
Original research in area of specialization. Open only to students matriculated in the science education program whose area of concentration is physical or general science.
Hours: TBA
Class # 8121 Instructor: Pregger

Psychology

PSY 623/Advanced Child Growth and Development
The concepts and principles underlying cognitive, social/emotional, language and personality development are examined with reference to their applications to working with children in various educational and therapeutic contexts. Current research studies are reviewed in the light of scientific standards and students' personal and professional experiences.
Class # 8125 MTWR1030-1200
6/29-7/31 Instructor: Ruddy
FH 424
PSY 697/Independent Study 3 cr.
in Psychology
Prerequisites: Permission of instructor and department.
In-depth exploration of a topic within a specific area of the discipline involving supervised reading, research and regular conferences with the faculty advisor. A formal proposal, developed with the instructor’s supervision, must be submitted to the department and approved before the student may register for independent study.
Hours: TBA
PSY 697 Class #8127
Coordinator: Sarafino

SOC 505/Conformity and Social Deviance 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.
Class #8137 MTR 1045-1325
6/29-7/31 Instructor: Anderson
BL 227

SOC 697/Independent Study in Sociology 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
SOC 697A Class #8139 1 cr.
SOC 697B Class #8141 2 cr.
SOC 697C Class #8143 3 cr.
Coordinator: Anderson

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 #8145
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 Committee. Open only to students matriculated in the social studies program.
Hours: TBA
Class #8147
Coordinator: Anderson
Office Systems Administration/Business Education

BUS 500/Workshop in Business 3 cr.
Education—Speedwriting
Prerequisite: Permission of Graduate Program Coordinator.
An in-depth study of highly specialized topics of recent origin, with an emphasis on application to business or business education programs.

• This Course Is Not Covered by the Guarantee

Class #8149 7/13-7/16
7/23 and 7/23
BL 233

BUS 523/Small Computer Systems and Applications 3 cr.
Prerequisite: Introduction to Data Processing or equivalent. Provides an in-depth analysis of small computers, particularly microcomputers, used in the modern office and hands-on experience with common software used for business applications.

Class #8151 6/29-7/31
MTWR0830-1700
Instructor: Sherrrer
BL 31

BUS 671/Trends and Issues in Business and Distributive Education 3 cr.
Prerequisite: BUS 560 and Permission of Graduate Program Coordinator.
Examination of significant problems, issues, and trends in business and distributive education. Exploration of research and current thinking expressed in the professional literature.

Class #8153 6/29-7/31
MTWR0800-1040
Instructor: Shenker
BL 124

BUS 680/Seminar in Improvement of Instruction in Socio-Business Economic Education 3 cr.
Prerequisite: Permission of Graduate Program Coordinator.
Analysis of practices, problems and current trends in the teaching of basic business and economics type courses. Examination of teaching strategies and materials.

Class #8155 6/29-7/31
MTWR0800-1040
Instructor: Sherrrer
BL 124

BUS 697/Independent Study in Business 1-3 cr.
Prerequisite: Permission of Graduate Program Coordinator
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
BUS 697A Class #8407 1cr.
BUS 697B Class #8409 2cr.
BUS 697C Class #8411 3cr.
Coordinator: Everard

BUS 698/Department Project in Business 3 cr.
Prerequisite: Permission of Graduate Program Coordinator
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 education and office systems programs.

Hours: TBA
Class #8413 Coordinator: Everard

Management

MSM 697/Independent Study in Management 3 cr.
Prerequisite: permission of management program coordinator
A critical independent study on an aspect of management of interest to the student that is explored under faculty guidance.

Hours: TBA
Class #8415 Coordinator: Everard
Counseling and Personnel Services

CPS 501/Introduction to Counseling and 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.
Class #8157 6/29-7/31 MTR1645-1925
Instructor: Paddock
FH 423
FH 424

CPS 525/Guidance: Elementary and Middle School 3 cr.
A review of current programs, counseling and guidance practices within the contemporary school setting; preschool 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.
Class #8159 6/29-7/31 MTR1935-2015
Instructor: Evangelisto
FH 203

CPS 540/Family Counseling 3 cr.
Prerequisite: permission of department
This course examines the patterns in family communication including marital relationships. Application of counseling techniques for enhancing communication in the marriage and family.
Class #8163 6/8-6/26 MTR1700-2130
Instructor: Worthington

CPS 545/Community Agency Counseling 3 cr.
Prerequisite: Permission of department.
This course is designed to meet the needs of the counselor working in community agency settings. Focus is placed on the populations serviced, preferred treatment modes, strategies of preventive intervention, and evaluation techniques for more effective mental health agencies.
Class #8161 6/29-7/31 MTR0800-1040
Instructor: Dunphy
FH 209

CPS 550/Alcoholism Counseling 3 cr.
Prerequisite: SPG 501
Specific techniques for counseling the alcoholic and the problem drinker are presented. Intervention strategies, as well as counseling and support systems for the family and significant others affected by the disease of alcoholism are included. Opportunities to practice counseling strategies at various points along the alcoholism treatment continuum will be provided.
Class #8165 6/8-6/26 MTR1700-2130
Instructor: Fassbender

CPS 551/Alcohol, the Individual and Society 3 cr.
The effect of alcohol on the body as well as society is presented. Societal attitudes and the reinforcement of drinking as it relates to the abuse of alcohol is examined. Medical aspects and diseases related to alcoholism and problem drinking are discussed. Alcohol use, misuse and abuse as it affects individual and society is stressed.
Class #8167 6/29-7/31 MTR1045-1325
Instructor: Fassbender
FH 208

CPS 597/Advanced Topics in Counseling and Personnel Services 3 cr.
An advanced course devoted to an in-depth study of current or specialized topics selected by the faculty and approved by the department.
Class #8169 6/29-7/9 MTWR0830-1630
Instructor: Worthington
FH 409
FH 317

CPS 675/Group Guidance and Counseling 3 cr.
Prerequisites: CPS 501, 515, 670 (CPS 675 may be taken concurrently with CPS 670 with advisement.)
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 ongoing counseling groups.
Class #8171 6/8-6/26 MTR1700-2130
Instructor: Ramsey

CPS 697/Independent Study in Counseling and Personnel Services 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 #8173 Coordinator: Ramsey

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Early Childhood Education

ECE 697/Independent Study in Early Childhood Education
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
ECE 697A Class #8235 1 cr.
ECE 697B Class #8237 2 cr.
ECE 697C Class #8239 3 cr.
Coordinator: Staff

Educational Field Experiences

Seminar in Supervised Teaching: Secondary and Special Fields—Observation and Participation
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.
See SEC 491.

SEC 514/Curriculum Theory and Practice
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.
Class #8183 MTR0800-1040
6/29-7/31 Instructor: Staff
FH 222
Class #8185 MTR1045-1325
6/29-7/31 Instructor: Staff
FH 222

SEC 520/Staff Supervision
3 cr.
Prerequisites: 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.
Class #8187 MTR0800-1040
6/29-7/31 Instructor: Staff
FH 206
Class #8189 MTR1045-1326
6/29-7/31 Instructor: Staff
FH 206

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.
Class #8191 MTR1045-1325
6/29-7/31 Instructor: Staff
FH 203
FH 204

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 advisor.
Hours: TBA
SEC 697A Class #8193 1 cr.
SEC 697B Class #8195 2 cr.
SEC 697C Class #8197 3 cr.
Coordinator: Farber
EDF 500/Foundations of Education 3 cr.
A synthesis of the contributions to education from the basic disciplines of history, philosophy, anthropology, psychology, religion, sociology, economics and political science.
Class #8203 MTWR1245-1445
6/29-7/31 Instructor: Carroll
FH 348

EDF 520/Social Problems and Education 3 cr.
Brief analysis of some modern social problems: crime, poverty, race conflict, family disintegration, etc., and the role that education might assume in proposed solutions.
Class #8207 MTWR1245-1445
6/29-7/31 Instructor: Morrison
FH 403

EDF 570/New Jersey School Law: Legal Status of Teacher and Pupil 3 cr.
Laws defining the rights, privileges and duties of pupils, teachers and staff members in New Jersey schools. Subject matter includes state and federal statutes, decisions and hypothetical cases.
Class #8209 MTWR1030-1230
6/29-7/31 Instructor: Carroll
FH 403

EDF 508/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.
Class #8205 MTWR1700-1900
6/29-7/31 Instructor: Staff
FH 319

EDF 697A/Independent Study in Bilingual Education 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
EDF 697A Class #8211 1cr.
EDF 697B Class #8213 2cr.
EDF 697C Class #8215 3cr.
Coordinator: Morrison

EDF 697B/Independent Study in Urban Education 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
EDF 697D Class #8217 1cr.
EDF 697E Class #8219 2cr.
EDF 697F Class #8221 3cr.
Coordinator: Morrison

EDF 697C/Independent Study in Urban Education 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
EDF 697G Class #8223 1cr.
EDF 697H Class #8225 2cr.
EDF 697I Class #8227 3cr.

EDF 698/Departmental Project in Urban Education 3 cr.
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 advisors. Open only to students matriculated in the urban education program.
Hours: TBA
Class #8229
Coordinator: Carroll

EDF 699/Thesis/Creative Project in Urban Education 6 cr.
An original research or creative study under the guidance of a thesis committee approved by the Graduate Committee. Open only to students matriculated in the urban education program.
Hours: TBA
Class #8231
Coordinator: Carroll
**Elementary Education**

ELM 530/Exploring Children's Literature: An Educator's Perspective 3 cr.

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.

Class #8241  MTR0800-1040  6/29-7/31  Instructor: Staff  FH 319

ELM 697/Independent Study in Elementary Education 1-3 cr.

An in-depth study of a topic within the discipline of Elementary Education involving supervised reading, research and regular conferences with the faculty advisor. Open only to students matriculated in the elementary education programs.

Hours: TBA

ELM 697A  Class #8243  1 cr.
ELM 697B  Class #8245  2 cr.
ELM 697C  Class #8247  3 cr.
Coordinator: Durkin

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 #8249  Coordinator: Durkin

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 Committee. Open only to students matriculated in the elementary education programs.

Hours: TBA

Class #8251  Coordinator: Durkin

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**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.

Class #8287  MTWR1700-1915  6/22-7/31  Instructor: Herzstein  FH 204

HED 554/Curriculum and Program Construction in Health and Safety Education

The selection and adaptation of a comprehensive health and safety education program for children of various age levels. Desirable content for health and safety units and administrative considerations are also discussed. The conceptual approach to health and safety education is stressed.

Class #8289  MTR0800-1040  6/29-7/31  Instructor: Fassbender  FH 205

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.

Class #8291  MTR1045-1325  6/29-7/31  Instructor: Herzstein  FH 205
Health Education, Physical Education, Recreation and Safety

HPE 697/Independent Study in Health, Physical Education, Recreation and Safety
Exploration of a topic within a specific area of the discipline involving supervised reading, research and regular conferences with the faculty advisor.
Hours: TBA
Coordinator: Medve
HPE 697A Class #8297 1 cr.
HPE 697B Class #8299 2 cr.
HPE 697C Class #8301 3 cr.

HPE 698/Department Project in Health, Physical Education, Recreation and Safety
An in-depth study of an aspect of health, physical education, recreation and/or 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
Coordinator: Medve
Class #8303

HPE 699/Thesis in Health, Physical Education, Recreation and Safety
Extensive research under the guidance of a thesis committee approved by the graduate coordinator. Open only to students matriculated in the health and physical education program.
Hours: TBA
Coordinator: Medve
Class #8305

ICD 575/Instructional Computing and Development
ICD 562/Computers and Their Applications in Education
(Note: Persons demonstrating previous graduate background in instructional computing will be credited here.)
An introductory course for teachers in grades K-12 that examines the way computers work and all the common types of hardware used in the various curriculum areas in the classroom. Flow-charting and programming concepts are used to form the basis for a review of the critical problems of choosing and designing software to match students' needs. Emphasis on programming in BASIC for Computer-Assisted Instruction.
Class #8253 MTR0800-1040
6/29-7/31 Instructor: Staff
FH 103
Class #8255 MTR1045-1325
6/29-7/31 Instructor: Staff
FH 103

ICD 575/Instructional Computing 3 cr.
Concepts II: Interactive Authoring
Provides the student with instructional computing skills and programming experiences on the microcomputer using interactive authoring systems.
Class #8257 MTR1340-1620
6/29-7/31 Instructor: Staff
FH 103

Physical Education

See also: Health Education; Safety

PED 521/Stress and Tension 3 c.r.
Management
The course will emphasize the inter-relationships of mind, stress and tension management. Key concepts will be extracted from a variety of fields for discussion and formulation of a personal view.
Class #8311 MTWRF 0900-1300
6/1-6/12 Instructor: Cooper
PA 108
PA 103

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.
Class #8313 MTWRF 1245-1500
6/6-6/19 Instructor: Oshel
Football field
Class #8315 MTWRF 1530-1800
6/6-6/19 Instructor: Oshel
Football field

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.
Class #8317 MTR1340-1620
6/29-7/31 Instructor: Rada
P 104
Reading

RDG 570/Corrective Techniques in Reading 3 cr.
Prerequisite: An undergraduate or graduate course in the methods of teaching reading.
Consider 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.)
Class #8259 MTR1045-1325 6/29-7/31 Instructor: Staff FH 347

RDG 682/Practicum: Diagnostic Procedures and Corrective Instruction 3 cr.
Prerequisite: RDG 676.
A practicum in which the student implements diagnostic procedures and both develops and implements prescriptive and corrective procedures under supervision in the reading center.
Class #8261 MTR1045-1425 6/29-7/31 Instructor: Staff FH 320

RDG 697/Independent Study in Reading 1-3 cr.
Prerequisites: EDF 600, graduate coordinator's approval.
An in-depth study of a topic within the discipline of Developmental Reading involving supervised reading, research and regular conferences with the faculty advisor. Open only to students matriculated in the Developmental Reading program.
Hours: TBA
RDG 697A Class # 8263 1cr.
RDG 697B Class # 8265 2cr.
RDG 697C Class # 8267 3cr.
Coordinator: Staff

RDG 698/Department Project in Reading 3 cr.
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 # 8269 Coordinator: Staff

RDG 699/Thesis/Creative Project in Reading 6 cr.
An original research or creative study under the guidance of a thesis committee approved by the Graduate Committee. Open only to students matriculated in the Developmental Reading program.
Hours: TBA
Class # 8271 Coordinator: Staff

Safety

SAF 582/Driver Education 3 cr.
Teacher 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.
Class #8323 MTWRF0900-1200 6/22-7/10 Instructor: Medve P104 Lot 8

SAF 587/Traffic Safety Workshop 2 cr.
(Emergency Maneuvers)
Investigation and application of current information on theory, techniques of 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.
Class #8325 MTWRF1800-2130 6/15-6/19 Instructor: Medve P104
Special Education

SED 501/Learning and Behavior 3 cr.
Problems of Handicapped Children
Prerequisite: child psychology.
This survey course provides an introduction to the field of special education by focusing on the characteristics and educational needs of handicapped students. Following a categorical approach, the course covers etiology and behavioral manifestations of a wide variety of handicapping conditions and introduces current approaches to the education of students with these disabilities. Included is up-to-date information on federal and state laws which affect services for the handicapped.
Class #8331 MTR0800-1040
Instructor: Riley
FH 210

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 with (a) examination of curriculum preparation, lesson planning and classroom scheduling; (b) 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) study of modern curriculum models and materials; and how to plan, write and utilize an IEP (individual educational plan).
Class #8333 MTR1045-1325
Instructor: Swanby
FH 209

SED 616/Social-Emotional Development of the Handicapped 3 cr.
Prerequisite: SED 501
The unique and typically abnormal psycho-social 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, behavior modification and instruction.
Class #8335 MTR1045-1325
Instructor: Blyden
FH 210

SED 627/Perceptual-Motor 3 cr.
Characteristics of the Handicapped
Prerequisite: SED 625
The unique and varied perceptual-motor problems of the handicapped; an understanding of the individual developmental problems of children with learning difficulties. Controversial concepts such as developmental lag, neurological organization, cerebral dominance, minimal brain dysfunction, pertinent diagnostic and remediation techniques.
Class #8337 MTR0800-1040
6/29-7/31 Instructor: Weisberg
FH 203

SED 650/Externship in Learning Disabilities Teacher Consultation 6 cr.
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 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.
Class #8339 MTWR Hours: TBA
6/19-7/31 Instructor: Weisberg

SED 655/Social-Vocational Problems of the Adult Handicapped 3 cr.
Prerequisite: SED 501
An understanding of the problems and the potential of the adult mentally retarded, the mentally ill and the sensory-motor impaired. The problems and the potentials resulting from our rapidly changing educational-vocational-habilitation programs, social attitudes, occupational opportunities, and medical-prosthetic advances are explored.
Class #8341 MTR1340-1620
6/29-7/31 Instructor: Blyden
FH 210
Prerequisites: 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.).
Class #8343 MTR1340-1620 6/29-7/31 Instructor: Swanby FH 208

SED 693/Practicum/Seminar 6 cr.
Preschool Handicapped Children
Prerequisites: completion of the 24 cr. of courses or approved alternates in the program for preschool handicapped, permission of the advisor.
The practicum experience provides for observation and supervised experience in the planning, organizing and managing of classes. There are opportunities to provide parent counseling/training and related services for the preschool handicapped. A minimum of three hundred (300) clock hours is required.
Class #8345 MTWRF Hours: TBA 6/29-7/31 Instructor: Weisberg

SED 696/Practicum—Observation and Participation 6 cr.
Prerequisites: SED 501, SED 514, SED 605, SED 625, SED 643.
An observation and participation program for Track II and post master’s 24 s.h. approved certification graduate students to enable the student to have direct contact with the following: observation of and participation in programs and teaching strategies relating to special education curricula in a number of settings; examination of techniques of evaluation and management outcomes; exploration of resources and facilities available to meet the special education needs. A fee may be required.
Class #8347 MTWRF Hours: TBA 6/29-7/31 Instructor: McRae

SED 697/Independent Study 1-3 cr.
in Special Education
Prerequisite: Permission of advisor.
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 inter-agency clinics, grant projects, forums, workshops, etc. May be repeated for an additional semester with permission of advisor. Students are expected to purchase any necessary testing and/or curriculum materials needed for the proper completion of the course. Open only to advanced students matriculated in the special education program.
Hours: TBA
SED 697A Class #8349 1cr.
SED 697B Class #8351 2cr.
SED 697C Class #8353 3cr.
Coordinator: Riley

Speech Pathology & Audiology

SPP 518/Childhood Aphasia and Language Disorders 3 cr.
Prerequisite: SPP 311 or an equivalent course in normal language and speech acquisition.
Investigation of the neurophysiological bases of childhood language disorders; analysis of assessment principles and instruments; and a study of remedial approaches and techniques.
Class #8359 MTR1045-1325 6/29-7/31 Instructor: Jenson FH 155

SPP 520/Cerebral Palsy 3 cr.
Prerequisite: an undergraduate degree in speech pathology or the equivalent.
Study of the etiology, types, classification and resulting speech and hearing problems of cerebral palsy.
Class #8361 MTR1340-1620 6/29-7/31 Instructor: Schwartz FH 155
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.
Class #8363 MTR0800-1040
6/29-7/31 Instructor: Barbarash
FH 155

SPP 590B/Clinical Practice

(Speech Pathology)

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

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. Special fee may be required.
Class #8365 Hours:TBA
Instructor: Hornyak

Class #8367 MTR1645-1925
6/29-7/31
FH 155

SPP 605/Disorders of Articulation

Prerequisite: An undergraduate degree in speech pathology or the equivalent.

Advanced study of diagnostic procedures and therapy methods applied to function articulation problems.
Class #8367

SPP 697/Independent Investigation

Prerequisite: An undergraduate degree in speech pathology or the 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

SPP 697A Class #8369 1 cr.
SPP 697B Class #8371 2 cr.
SPP 697C Class #8373 3 cr.
Coordinator: Schwartz

SPP 698/Department Project in Speech

A 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.
Class #8375 Instructor: Schwartz

SPP 699/Thesis/Creative Project

An original research or creative study under the guidance of a thesis committee approved by the graduate coordinator. Open only to students matriculated in speech correction or speech pathology program.
Class #8377 Instructor: Schwartz

Class #8379 1 cr.

Coordinator: Schwartz

SPP 699A Class #8378

Class #8377 Instructor: Schwartz
IED 581/Industrial Education 3 cr.
Workshop
Advanced course dealing with topics in Industrial Education.

Topic: Computer Aided Drafting 3 cr.
Class #8383 MTWR 1715-2055
6/22-7/9 Instructor: Hess A6

Topic: Design Presentation 3 cr.
Workshop
Class #8385 MTR1700-2130
6/22-7/2 Instructor: Hutchinson A2

Topic: Industry Update 1-3 cr.
IED 581A Class #8387 1cr.
IED 581B Class #8389 2cr.
IED 581C Class #8391 3cr.
6/22-7/31 MTR 1930-2145
Coordinator: Alexander

Topic: Engineering Materials 3 cr.
Class #8393 MTWR 1700-2115
6/29-7/31 Instructor: Asper A33

IED 597/Advanced Topics in Industrial Education 1 cr.
Topic: Developing Technology Education Programs
An advanced course devoted to an in-depth study of current or specialized topics selected by the faculty and approved by the department.
Class #8395 MTWRF 0900-1600
6/29-7/3 Instructor: Hutchinson A2

IED 697/Independent Study in Industrial Education 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
IED 697A Class #8397 1 cr.
IED 697B Class #8399 2 cr.
IED 697C Class #8401 3 cr.
Coordinator: Weber

IED 698/Department Project in Industrial Education 3 cr.
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.
Class #8403 Hours: TBA
Instructor: Weber
ACADEMIC REGULATIONS INFORMATION

STUDENT SERVICES
ATTENDANCE

Every student is expected to participate in each of his/her courses through regular attendance at lecture and laboratory sessions. It is further expected that every student will be present on time and prepared to participate when scheduled class sessions begin.

At the first class meeting of a semester, instructors are expected to distribute in writing the attendance policies which apply to their courses. While attendance itself is not used as a criterion for academic evaluations, grading is frequently based on participation in class discussion, laboratory work, performance, studio practice, field experience or other activities which may take place during class sessions. If these areas for evaluation make class attendance essential, the student may be penalized for failure to perform satisfactorily in the required activities.

When a student must be absent from classes due to extended illness, a death in the family or similar genuine emergency, the student shall inform the Dean of Student Life immediately so that appropriate notice can be provided to individual instructors. Students who must miss classes due to participation in a field trip, athletic or cultural event or other official college function should arrange with their instructors for such class absences well in advance. The Office of Academic Affairs will verify, upon request, the dates of and participants in such college functions. In every instance, however, the student has responsibility to initiate arrangements for makeup work.

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.
GRADUATING STUDENTS, SUMMER 1987

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, 1987. 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 Records and Registration, Green Hall, Room 112.

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, Forcina Hall, Room 168
- School of Business, Bliss Hall, Room 217
- School of Technology, Armstrong Hall, Room 66
- Office of Records and Registration, Green Hall, Room 112

TRANSCRIPT OF CREDIT

Students desiring a transcript for courses they have completed should write to the Office of Records and Registration, Trenton State College, Hillwood Lakes CN 4700, Trenton, New Jersey 08650-4700, 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 (graduate or undergraduate);
4. date of graduation;
5. name and address to which transcripts should be mailed.

No fee is charged.

CREDIT LOAD

NOTE: Normally Graduate Students are limited to six semester hours of summer study and Undergraduate Students are limited to nine semester hours of summer study.

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 Office of Records and Registration.

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.
Grade reports are issued several times over the summer. 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>
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<tbody>
<tr>
<td>A</td>
<td>4.0</td>
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<tr>
<td>B</td>
<td>3.0</td>
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<td>C</td>
<td>2.0</td>
</tr>
<tr>
<td>D</td>
<td>1.0</td>
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<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."
HEALTH SERVICES

The Student Health Center is located on the first floor of Norsworthy Hall, where a registered nurse will be on duty Monday through Friday from 8:30 a.m. to 4:30 p.m. Telephone (609) 771-2483.

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 4:30 when the Health Center is closed, students will be sent to a local hospital 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

Students must park in authorized student lots only. These lots, numbered 2A through 9, are on the west side of campus and behind Travers-Wolfe, Decker and Cromwell Dormitories. Parking and traffic regulations are enforced 24 hours a day by the Campus Police.

OFFICE OF SPECIAL SERVICES

The Office of Special Services, located in Phelps Annex, provides services for disabled students, international students, veterans and Army ROTC.

For further information call (609) 771-2571.

THE CLAYTON R. BROWER STUDENT CENTER

The Student Center Information Desk (609-771-2331) answers inquiries about all campus activities, bus and train schedules, etc. Questions about the Student Center or Conference programs can also be directed to the Student Center, Trenton State College, Hillwood Lakes CN 4700, Trenton, NJ 08650-4700: (609) 771-2264.

Student Center Hours
Monday-Friday 8:00 a.m.-5:00 p.m. (June, July, August)
Saturday, Sunday Closed (June, July, August)
Monday-Thursday 8:00 a.m.-8:00 p.m. (during summer school session)

Snack Bar Hours
Monday-Friday 7:30 a.m.-3:00 p.m. (June, July, August)
Saturday, Sunday Closed
Residence accommodations for students enrolled in summer session courses are available in college residence halls, on a double-occupancy basis.

To Live on Campus as a Full-Time Resident

1. Request an application form from the Summer Session Office, Green Hall, Room 109, (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. 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 registration 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 Guide to Residence Hall Living and Social Contract.
4. Remember the following dates and policy:
   a. Reservations for the summer session must be received by June 8, 1987.
   b. Residence halls will be open on June 21, 1987, at 4 p.m. and close on July 30, 1987.
5. Housing and Food Service Rates
   For 6 weeks of summer session
   - 19 meal plan $630.00
   - 14 meal plan $612.00
   - 10 meal plan $606.00

Eating on Campus

Meals are available on campus for commuter/off-campus students on an individual basis.

1. Students may choose from among the following meal contracts:
   - 19 meals per week @ $42.00/wk ............................................. $252.00/session
   - Any 14 meals per week @ $39.00/wk ............................................. $234.00/session
   - Any 10 meals per week @ $38.00/wk ............................................. $228.00/session
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 $2.10
- Lunch $3.30
- Dinner $4.50
- Brunch $3.30
3. Dining Schedule: The dining hall hours of operation will be posted in the summer session residence hall and Housing Office once determined.

   3 meals/day Monday through Friday
   2 meals on Saturday and 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 Clayton R. Brower Center on a cash basis. Hours are listed under the Clayton R. Brower Student Center Section.

**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 in Phelps Hall.

Summer business hours are:
Monday-Friday—8:30 a.m.-4:30 p.m.
Monday, June 9, June 23, June 30, August 4—8:30 a.m.-8:00 p.m.

**LIBRARY HOURS**

During the 1987 Summer Session (June 22 through July 30) the library will be open during the following hours:

<table>
<thead>
<tr>
<th>Day</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday through Thursday</td>
<td>7:45 a.m.-10:30 p.m.</td>
</tr>
<tr>
<td>Friday</td>
<td>8:30 a.m.-6:00 p.m.</td>
</tr>
<tr>
<td>Saturday</td>
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<tr>
<td>Sunday</td>
<td>Closed</td>
</tr>
<tr>
<td>July 3</td>
<td>Closed</td>
</tr>
</tbody>
</table>

During the pre-session (June 8-June 19) and between July 31 and September 1, the library will be open Monday through Friday, 8:30 a.m.-4:30 p.m.
The Student Recreation Center is available at regularly scheduled hours and includes racquetball courts, tennis courts, basketball courts, jogging lanes and a fully-equipped weight room. Swimming is also available at regularly scheduled hours; the pool is located in Packer Hall. Outdoor facilities include the eight lighted tennis courts, a 400-meter synthetic track, the Astroturf sports field, 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
- Recreation/Sport Clubs: 771-2223
- Facility Reservations: 771-2389
- Aquatics Center: 771-3250
DAY/HOUR SCHEDULING

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>Code</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Armstrong Hall</td>
<td>AR</td>
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<tr>
<td>Bliss Hall</td>
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<tr>
<td>Bray Hall</td>
<td>BR</td>
<td>5</td>
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<tr>
<td>Crowell Hall</td>
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<tr>
<td>Forcina Hall</td>
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<td>Green Hall</td>
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<td>Holman Hall</td>
<td>HH</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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<tr>
<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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<tr>
<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.  1600 = 4 p.m.
0900 = 9 a.m.  1700 = 5 p.m.
1000 = 10 a.m. 1800 = 6 p.m.
1100 = 11 a.m. 1900 = 7 p.m.
1200 = 12 NOON 2000 = 8 p.m.
1300 = 1 p.m.  2100 = 9 p.m.
1400 = 2 p.m.  2200 = 10 p.m.
1500 = 3 p.m.

M = Monday  T = Tuesday
W = Wednesday  R = Thursday
F = Friday  S = Saturday
TBA = To Be Arranged
## 5 DAY

### Withdrawal Dates

- 50% — 6/10
- Final — 6/12

### CTH 212 TV Production I
- MTWRF
- FH124
- 0800-1600

### ENG 233 Women Writers
- MTWRF
- WL208
- 0800-1600

### GOL 120 Introduction to Geology
- MTWRF
- CH139
- 1000-1400

### HED 150 Contemporary Health Problems
- MTWRF
- P103
- 1700-1915

### HED 356 Foundations of Sex Education
- MTWRF
- P103
- 0800-1600

### MKT 345 Sales
- MTWTF
- BR129
- 1000-1200
- 1300-1500

### MUS 272 Aural Perception II
- TBA

### MUS 371 Aural Perception III
- TBA

### PED 131 Golf
- MTWRF
- 1245-1530

### PED 131 Golf
- MTWRF
- 1530-1800

### PED 541 Golf
- MTWRF
- 1245-1500

### PED 201 Aquatics I
- MTWRF
- P103
- 1930-2200

### PED 212 Tennis
- MTWRF
- P126
- 0800-0915

### PED 541 Golf
- MTWRF
- 1530-1800

### PSY 333 Mental Health
- MTWRF
- WL218
- 0930-1600

### SOC 325 Topics in Sociology: Sociology of Oppression
- MTWRF
- Lib222
- 0930-1200
- 1300-1500
Withdrawal Dates
50%—7/2
Final—7/9

0800-1015
ENG 345 Studies in Lit: Religion in Literature
   MTR HH372
REL 151 Comparative Religion
   MWR HH315

1030-1245
ENG 109 Composition II
   MTR HH304
ENG 222 Short Story
   MTR HH372
PHI 101 Introduction to Philosophy
   MWR HH316
SOC 101 Introductory Sociology
   MTR BL228

1300-1515
ENG 570 Studies in Literature: American Drama
   MTR HH315
PHI 120 Introduction to Logic
   MWR HH304

1700-1915
AAS 101 Intro to African-American Culture I
   TWR HH315
BIO 597 Topics: Environmental Health
   MTW NU321
CRJ 215 Juvenile Delinquency
   MTW BL229
SOC 101 Introductory Sociology
   MTR BL228
VOC 391 Foundations of Vocational Education
   MTR A73

1930-2145
ENG 246 The Film
   MTR HH372
IED 581 Workshop: Industry Update
   MTR A73
VOC 393 Managing Learning in Vocational Education
   MTR A73
Withdrawal Dates
50%—7/2
Final—7/9

0830-1010
MAT 101 Foundations of Mathematics I
MTWR HH117
MAT 115 Statistics I
MTWR HH118

1025-1205
ENG 614 John Milton
MTWR HH204
MAT 104 Mathematics in Liberal Arts
MTWR HH117
MAT 227 Calculus I
MTWR HH118
PSY 102 Introductory Psychology II
MTWR FH410

12:50-14:30
PSY 203 Statistics in Behavioral Science
MTWR FH424
PSY 222 Child Psychology
MTWR FH423

1715-1855
MAT 101 Foundations of Mathematics I
MTWR HH117
MAT 120 Elementary Mathematical Analysis
MTWR HH118
MAT 211 Introduction to Quantitative Analysis I
MTWR HH120
PSY 101 Introductory Psychology I
MTWR FH409

1915-2055
MAT 115 Statistics I
MTWR HH117
MAT 227 Calculus I
MTWR HH118
MAT 228 Calculus II
MTWR HH120
### 5 WEEK, 4 DAY  
6/29-7/31

**Withdrawal Dates**  
50%—7/8  
Final—7/14

<table>
<thead>
<tr>
<th>Time</th>
<th>Course</th>
<th>Section</th>
<th>Location</th>
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<tbody>
<tr>
<td>0800-1000</td>
<td>ART 101 Foundations of Art</td>
<td>HH374</td>
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<td>PSY 101 Introductory Psychology I</td>
<td>FH423</td>
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<td>1030-1230</td>
<td>ART 101 Foundations of Art</td>
<td>HH374</td>
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<td>EDF 400 Teacher in School: Community</td>
<td>FH256</td>
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<td></td>
<td>EDF 570 New Jersey School Law</td>
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<td>PSY 313 Learning, Memory and Motivation</td>
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**1340-1620**

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**1645-1925**

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**1935-2215**

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<td>Survey of Music Literature</td>
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SPECIAL SCHEDULING

WEEK BEGINNING 5/4

BIO 463A/597A Seashore Ornithology—Sandy Hook
TWRFS
0900-1700 5/5-5/9
50% WD: 5/6-Final WD: 5/8

WEEK BEGINNING 5/11

BIO 463B/597B Toxic Substance in Marine Science—Sandy Hook
TWRFS
0900-1700 5/12-5/16
50% WD: 5/13-Final WD: 5/28

WEEK BEGINNING 5/26

BIO 132 Intro. to Marine Sciences—Seaville
TWRFS
0900-1700 5/26-6/9
50% WD: 5/26-Final WD: 5/28

WEEK BEGINNING 6/1

BUS 497A Intro to Microcomputer & Operating System
MTWRF BL28
0900-1200 6/1-6/5
50% WD: 6/2-Final WD: 6/3

BUS 497B Intro to Use of Spreadsheets
MTWRF BL28
1300-1600 6/1-6/5
50% WD: 6/2-Final WD: 6/3

CHM 350 Fund. Organ. Chemistry
MTWRF NU108
1700-2100 6/1-6/17
50% WD: 6/8-Final WD: 6/10

NUR 404 Research Process
MTWR
TBA 6/1-6/18
50% WD: 6/4-Final WD: 6/9

PED 351 Stress: Tension Management
MTWRF
0900-1300 6/1-6/12
50% WD: 6/3-Final WD: 6/5

PED 521 Stress and Tension Management
MTWRF
PA108
0900-1300 6/1-6/12
50% WD: 6/3-Final WD: 6/5

SAF 204 Emergency Care
MTWRF
P126
1230-1500 6/1-6/19
50% WD: 6/5-Final WD: 6/10

WEEK BEGINNING 6/8

ACC 260 Accounting Principles I
MTWR
BR125
0800-1030 6/8-7/2
50% WD: 6/15-Final WD: 6/18

BUS 497C Topic: Word Processing
MTWRF BL28
0900-1200 6/8-6/12
50% WD: 6/9-Final WD: 6/10

BUS 497D Introduction to Microcomputer & Operating System
MTWRF BL28
1300-1600 6/8-6/12
50% WD: 6/9-Final WD: 6/10

CHM 351 Organic Chemistry I
MTWRF BR127
0930-1320 6/8-7/10
50% WD: 6/17-Final WD: 6/23

CPS 540 Family Counseling
MT
1700-2130 6/8-6/26
50% WD: 6/3-Final WD: 6/16

CPS 550 Alcoholism Counseling
MT
1700-2130 6/8-6/26
50% WD: 6/3-Final WD: 6/16

CPS 675 Group Counseling
MT
1700-2130 6/8-6/26
50% WD: 6/3-Final WD: 6/16

ECO 202 Principles of Economics: Micro
MTWR
BR128
1040-1310 6/8-7/2
50% WD: 6/15-Final WD: 6/18

PHY 201 General Physics I
MTWR
CH111
0800-1210 6/8-7/2
50% WD: 6/15-Final WD: 6/18
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**WEEK BEGINNING 6/22**

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WEEK BEGINNING
6/29

CPS 597 Advanced Topics: Dev. Stu. Asst. Program
MTWR  
0830-1630 6/29-7/9
50% WD: 7/1-Final WD: 7/2

IED 581 Workshop: Engineering Materials
MTWR  
1700-2115 6/29-7/31
50% WD: 7/8-Final WD: 7/14

IED 597 Advanced Topics: Dev. Tech. Ed. Programs
MTWR  
0900-1600 6/29-7/3
50% WD: 6/29-Final WD: 7/1

MET 283 Engineering Materials
MTWR  
1700-2115 6/29-7/31
50% WD: 7/8-Final WD: 7/14

MTR  
1045-1425 6/29-7/31
50% WD: 7/7-Final WD: 7/14

SPA 102 Spanish for Beginners II
MTWRF  
1715-2100 6/29-7/16
50% WD: 7/2-Final WD: 7/8

VOC 466A Workshop in V.E.: Industry Update
MTWR  
0900-1600 6/29-7/2
50% WD: 6/29-Final WD: 6/30
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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 13 and May 8.

1. Complete forms A and B.
2. Follow admission procedures (p. 6 or p. 32) if not previously enrolled at Trenton State College. (A $10 application fee is required.)
3. Enclose check or money order for application fee and for tuition and fees (payable to Trenton State College) with forms and mail to:

   Division of Graduate and Continuing Studies
   Trenton State College
   Hillwood Lakes
   CN 4700
   Trenton, NJ 08650-4700

   Allow us two weeks to process your materials. We will then send you your confirmed schedule.

TO REGISTER IN PERSON Between May 18 and the deadline for the desired session:

1. Complete forms A, B and C if not previously enrolled at Trenton State College.
2. Follow admission procedures (p. 6 or p. 32) if not previously enrolled at Trenton State College. (A $10 application fee is required.)
3. Bring the completed forms and your check(s) or money order(s) (payable to Trenton State College) to:

   Division of Graduate and Continuing Studies
   Room 109-Green Hall

   Between the hours of 1:00-3:30 (Monday-Wednesday) and 5:00-7:30 (Thursday).
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 13-May 8

IN-PERSON REGISTRATION BEGINS
May 18        1:00-3:30 p.m. Monday through Wednesday
              5:00-7:30 p.m. Thursday

Please note: Cash cannot be accepted at evening registrations.

For classes beginning on June 8
May 18-June 4  In-person registration

For classes beginning on June 22
May 18-June 18 In-person registration.

For classes beginning on June 29
May 18-June 25  In-person registration.

FINAL REGISTRATION FOR ALL SUMMER COURSES, INCLUDING
INDEPENDENT STUDY, IS JUNE 25.
FINAL REGISTRATION FOR CO-OP IS JUNE 5.

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 Office of Records and Registration or the office of the Division of Graduate and Continuing Studies. 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 58 to 67 for specific withdrawal and refund dates.

Please note: All summer refunds will be processed in September.

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 Admissions Office for further information, at (609) 771-2131.
DIRECTIONS TO THE CAMPUS

Railroad
Trenton is on the main service line of AMTRAK. The railroad station is located in the city five miles from the campus. The Mercer Metro "G-Prospect Heights" bus goes from the station directly to the campus.

Plane
The Mercer County Airport is located within two miles of the campus. US Air has several flights a day between Trenton, Boston, Washington, DC, Hartford, Islip, Philadelphia, Chicago and Salt Lake City. Taxi service is available at the airport.

Automobile
The college is most easily reached by automobile. Trailblazers at key intersections near the college will help with directions.

From Newark and North Jersey:
Persons coming from New Jersey using the New Jersey Turnpike should exit at New Brunswick (Exit 9) and then follow Rt. 1 South.
*Leave Rt. 1 at I-295 to 95 and travel south (toward Pennsylvania) to the Pennington Road (Rt. 31) south exit, Exit 4. Continue on Pennington Road south through the traffic light (at the Ewingville Road intersection) to the college. The college is on the left about .4 mile from the light.
Or you may travel south on Rt. 95 (as above, toward Pennsylvania) and exit at the Federal City Road south until the stop sign, turn right onto Ewingville Road and continue to the traffic light, turn left onto Pennington Road South (Rt. 31). The college is on the left about .4 mile from the light.

From Pennsylvania
Follow I-95 North and cross the Scudder Falls Bridge to Rt. 31, Exit 4A. Take Rt. 31 South to the college.

From Asbury Park-Freehold area:
Take Rt. 33 West to Hightstown. Continue to light at Stockton St. (Rt. 571W). Turn right (toward Princeton) and proceed to Penns Neck. Turn left onto Rt. 1 South and follow from * above.

From Northeast New Jersey:
Follow Rt. 202 until it intersects Rt. 31 at Flemington. Continue along Rt. 31 until you reach the college. This is about .4 mile past the traffic light at Ewingville.

From South Jersey:
At the Whitehorse Circle on Route 206, take 533 (Whitehorse-Mercerville Road) for 1.4 miles to Kuser Road. At this intersection, turn left onto Kuser Road and proceed .6 miles to 295. From this point travel 8.7 miles on Rt. 1-295/95 and follow from * above.
PLEASE NOTE:
TRENTON STATE COLLEGE WILL BE CLOSED ON THE FOLLOWING
FRIDAYS:

- July 3, 1987
- July 10, 1987
- July 17, 1987
- July 24, 1987
- July 31, 1987

- August 7, 1987
### TABLE OF UNDERGRADUATE TUITION AND FEES*

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<th>Out-of-State I.D. Tuition</th>
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*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.

Note: Students registering for cooperative education only pay tuition and general service fee for those credits.