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 57  February 1988  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.11).
2. Check your schedule for possible time conflicts (see p.63).
3. Check admission and registration requirements and procedures:
   - Undergraduate (p. ).
   - Graduate (p.36).

We offer a flexible schedule of summer sessions to meet your varying needs:
- Pre-session: June 6-June 17
- Five-Week Session: June 27-July 28
- Six-Week Session: June 20-July 28

PLEASE NOTE: TRENTON STATE COLLEGE WILL BE CLOSED ON THE FOLLOWING FRIDAYS:
- July 15, 1988
- July 22, 1988
- July 29, 1988
- August 5, 1988
- August 12, 1988

Classes scheduled to meet Monday, July 4 will meet Friday, July 1.
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admission Requirements</td>
<td>36</td>
</tr>
<tr>
<td>Graduate</td>
<td>6</td>
</tr>
<tr>
<td>Undergraduate</td>
<td></td>
</tr>
<tr>
<td>Attendance Policy</td>
<td>56</td>
</tr>
<tr>
<td>Auditing Policy</td>
<td>56</td>
</tr>
<tr>
<td>Building Designation Code</td>
<td>63</td>
</tr>
<tr>
<td>College Store</td>
<td>61</td>
</tr>
<tr>
<td>Cooperative Education</td>
<td>10</td>
</tr>
<tr>
<td>Course Descriptions, Times, and Places</td>
<td>40</td>
</tr>
<tr>
<td>Graduate</td>
<td>11</td>
</tr>
<tr>
<td>Undergraduate</td>
<td></td>
</tr>
<tr>
<td>Credit Load</td>
<td>57</td>
</tr>
<tr>
<td>Day/Hour Schedule</td>
<td>63</td>
</tr>
<tr>
<td>Directions to the College</td>
<td>76</td>
</tr>
<tr>
<td>Directory of Phone Numbers</td>
<td>3</td>
</tr>
<tr>
<td>Disabled Students</td>
<td>59</td>
</tr>
<tr>
<td>Food Services</td>
<td>60</td>
</tr>
<tr>
<td>Foreign Students</td>
<td>8</td>
</tr>
<tr>
<td>Grading</td>
<td>58</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduating Students in</td>
<td></td>
</tr>
<tr>
<td>Summer 1988</td>
<td>57</td>
</tr>
<tr>
<td>Handicapped Students</td>
<td>59</td>
</tr>
<tr>
<td>Health Services</td>
<td>59</td>
</tr>
<tr>
<td>Housing</td>
<td>60</td>
</tr>
<tr>
<td>Library</td>
<td>61</td>
</tr>
<tr>
<td>Map of Campus</td>
<td>75</td>
</tr>
<tr>
<td>Parking</td>
<td>59</td>
</tr>
<tr>
<td>Recreation</td>
<td>61</td>
</tr>
<tr>
<td>Refunds and Withdrawals</td>
<td>8</td>
</tr>
<tr>
<td>Registration Dates and Procedures</td>
<td></td>
</tr>
<tr>
<td>Graduate</td>
<td>37</td>
</tr>
<tr>
<td>Undergraduate</td>
<td>7</td>
</tr>
<tr>
<td>Special Services</td>
<td>59</td>
</tr>
<tr>
<td>Student Center</td>
<td>59</td>
</tr>
<tr>
<td>Textbooks</td>
<td>61</td>
</tr>
<tr>
<td>Transcripts</td>
<td>57</td>
</tr>
<tr>
<td>Tuition and Fees</td>
<td></td>
</tr>
<tr>
<td>Graduate</td>
<td>39</td>
</tr>
<tr>
<td>Undergraduate</td>
<td>9</td>
</tr>
<tr>
<td>Veterans</td>
<td>59</td>
</tr>
<tr>
<td>Withdrawals and Refunds</td>
<td>8</td>
</tr>
</tbody>
</table>

### QUESTIONS?

<table>
<thead>
<tr>
<th>Office</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admissions</td>
<td>771-2131</td>
</tr>
<tr>
<td>Advisement</td>
<td>771-2647</td>
</tr>
<tr>
<td>Bookstore, Textbook</td>
<td>771-8267</td>
</tr>
<tr>
<td>Bursar (Tuition)</td>
<td>771-2172</td>
</tr>
<tr>
<td>Certification of Teaching</td>
<td>771-2647</td>
</tr>
<tr>
<td>Child Care</td>
<td>771-3055</td>
</tr>
<tr>
<td>College Store</td>
<td>771-0163</td>
</tr>
<tr>
<td>Co-op. Ed.</td>
<td>771-2161</td>
</tr>
<tr>
<td>Student Life</td>
<td>771-2201</td>
</tr>
<tr>
<td>Disabled Students</td>
<td>771-2571</td>
</tr>
<tr>
<td>Graduate Studies</td>
<td>771-2255</td>
</tr>
<tr>
<td>Health</td>
<td>771-2483</td>
</tr>
<tr>
<td>Housing</td>
<td>771-2301</td>
</tr>
<tr>
<td>Library</td>
<td>771-2311</td>
</tr>
<tr>
<td>Police, Campus</td>
<td>771-2167</td>
</tr>
<tr>
<td>Recreation Center</td>
<td>771-2190</td>
</tr>
<tr>
<td>Registrar</td>
<td>771-2141</td>
</tr>
<tr>
<td>Student Center</td>
<td>771-2331</td>
</tr>
<tr>
<td>Student Teaching</td>
<td>771-2408</td>
</tr>
<tr>
<td>Summer Session</td>
<td>771-2255</td>
</tr>
<tr>
<td>Transcripts</td>
<td>771-2143</td>
</tr>
<tr>
<td>Vehicle Registration</td>
<td>771-2461</td>
</tr>
<tr>
<td>Veterans</td>
<td>771-2571</td>
</tr>
</tbody>
</table>

For offices other than those listed, use the main college number: (609) 771-1855.
UNDERGRADUATE

• ADMISSION

• REGISTRATION PROCEDURES

• COURSE OFFERINGS
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 1988;
4. high school graduates; and
5. holders of high school equivalency certificates.

*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.

PROCEDURES

VISITING STUDENTS FROM OTHER INSTITUTIONS

1. Complete the Application for Summer 1988 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 matriculated at another college must submit a 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 $25.00 Application Fee (checks should be made payable to Trenton State College).
4. Visiting student admission status is only valid for the summer of 1988.

STUDENTS INTENDING TO CONTINUE ENROLLMENT AT TRENTON STATE COLLEGE

Applicants must meet regular admission criteria. Deadline for September matriculation is March 1, 1988. 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
UNDERGRADUATE
REGISTRATION PROCEDURES

Registration for courses may be accomplished by mail (mail registration is recommended to ensure your place in class) or in person. Payment for all tuition and fees is required at the time of registration.

MAIL-IN REGISTRATION

TO REGISTER BY MAIL between April 11 and May 6:

1. Complete forms A and B.
2. Follow admission procedures (p. 6) if not previously enrolled at Trenton State College, or if you are a visiting student.
3. Enclose forms with check or money order for tuition and fees and application fee if applicable (made payable to Trenton State College) and mail, in the enclosed self-addressed envelope, to:

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

Note: Co-op approval memorandums and summer independent course-work contracts must accompany registration forms. Allow us two weeks to process your materials. We will then send your registration confirmation.

Check all of your registration materials carefully; if they are incorrect we will return them to you. We cannot hold your place in class until all of the appropriate procedures have been completed.

IN-PERSON REGISTRATION

TO REGISTER IN PERSON between May 16 and June 3:

1. Complete forms A and B.
2. If you were not previously enrolled at Trenton State College or you are a visiting student, complete forms A, B, and C. See page 6 for admission procedures.
3. Bring your completed forms and your check or money order (payable to Trenton State College) to:

   Division of Graduate and Continuing Studies
   Green Hall, room 109

between the hours of 1:00 and 3:30 p.m., Mondays through Wednesdays and between 5:00 and 7:30 p.m., Thursdays. (After hours you may drop your registration materials in the office mail slot.)

Note: Co-op approval memorandums and summer independent course work must accompany registration forms.
REGISTRATION DEADLINES

READ CAREFULLY THE REGISTRATION DEADLINES BELOW:

No registration can be accepted after the deadlines stated. These deadlines have been adjusted to make certain that all materials will be processed on time.

MAIL REGISTRATION
April 11-May 6

IN-PERSON REGISTRATION
May 16-June 3
1:00-3:30 p.m. Monday through Wednesday
5:00-7:30 p.m. Thursday
(No registration on Monday, May 30)

LATE REGISTRATION ($15 late registration fee)
June 9
2:00-7:30 p.m. Thursday
June 16
2:00-7:30 p.m. Thursday
(No new admits accepted during late registration)

Please note: Cash cannot be accepted at evening registrations.

FINAL REGISTRATION FOR INDEPENDENT STUDY AND CO-OP IS JUNE 3.

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 63 to 74 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 1-20 must be issued before a student may attend classes. Please contact the Admissions Office for further information, at (609) 771-2131.
### TABLE OF UNDERGRADUATE TUITION AND FEES

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>In-State Tuition</th>
<th>Out-of-State Tuition</th>
<th>I.D. Fee</th>
<th>Student Center Fee</th>
<th>General Service Fee</th>
<th>Pay This Amount</th>
<th>Pay This Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$45.00</td>
<td>$65.00</td>
<td>$1.00</td>
<td>$1.50</td>
<td>$7.80</td>
<td>$55.30</td>
<td>$75.30</td>
</tr>
<tr>
<td>2</td>
<td>90.00</td>
<td>130.00</td>
<td>1.00</td>
<td>3.00</td>
<td>15.60</td>
<td>109.60</td>
<td>149.60</td>
</tr>
<tr>
<td>3</td>
<td>135.00</td>
<td>195.00</td>
<td>1.00</td>
<td>4.50</td>
<td>23.40</td>
<td>163.90</td>
<td>223.90</td>
</tr>
<tr>
<td>4</td>
<td>180.00</td>
<td>260.00</td>
<td>1.00</td>
<td>6.00</td>
<td>31.20</td>
<td>218.20</td>
<td>298.20</td>
</tr>
<tr>
<td>5</td>
<td>225.00</td>
<td>325.00</td>
<td>1.00</td>
<td>7.50</td>
<td>39.00</td>
<td>272.50</td>
<td>372.50</td>
</tr>
<tr>
<td>6</td>
<td>270.00</td>
<td>390.00</td>
<td>1.00</td>
<td>9.00</td>
<td>46.80</td>
<td>326.80</td>
<td>446.80</td>
</tr>
<tr>
<td>7</td>
<td>315.00</td>
<td>455.00</td>
<td>1.00</td>
<td>10.50</td>
<td>54.60</td>
<td>381.10</td>
<td>521.10</td>
</tr>
<tr>
<td>8</td>
<td>360.00</td>
<td>520.00</td>
<td>1.00</td>
<td>12.00</td>
<td>62.40</td>
<td>435.40</td>
<td>595.40</td>
</tr>
<tr>
<td>9</td>
<td>405.00</td>
<td>585.00</td>
<td>1.00</td>
<td>13.50</td>
<td>70.20</td>
<td>489.70</td>
<td>669.70</td>
</tr>
<tr>
<td>10</td>
<td>450.00</td>
<td>650.00</td>
<td>1.00</td>
<td>15.00</td>
<td>78.00</td>
<td>544.00</td>
<td>744.00</td>
</tr>
<tr>
<td>11</td>
<td>495.00</td>
<td>715.00</td>
<td>1.00</td>
<td>16.50</td>
<td>85.80</td>
<td>598.30</td>
<td>818.30</td>
</tr>
<tr>
<td>12</td>
<td>540.00</td>
<td>780.00</td>
<td>1.00</td>
<td>18.00</td>
<td>93.60</td>
<td>652.60</td>
<td>892.60</td>
</tr>
</tbody>
</table>

**NOTES:**

Tuition and fees are subject to change by action of the Trenton State College Board of Trustees.

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.

All tuition and fees are due at the time of registration (no deferred payments).

- **A.** Matriculated students will pay tuition and fees at the level of their matriculation: e.g., matriculated graduate students taking undergraduate courses will pay graduate tuition rates; matriculated undergraduate students taking graduate courses will pay undergraduate rates.

- **B.** Non-matriculated students will pay tuition and fees at the level of the course: e.g., non-matriculated graduate students taking undergraduate courses will pay undergraduate tuition rates; non-matriculated undergraduate students taking graduate courses will pay graduate tuition rates.

Students registering for cooperative education, only pay tuition and general service fee for those credits.
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 105/African-American History before 1865**

3 cr.
(3 class hours)

A survey of the history of Black Americans from ancient African beginnings to the Civil War. African-American contributions to the building and development of America as the land of freedom and opportunity will be examined.

**Class # 5001**
6/20-7/28
HH 120
Instructor: Chukumba

**AAS 499/Independent Study in African-American Studies**

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

Hours: TBA

**AAS 499A Class # 2001** 1 cr.

**AAS 499B Class # 2003** 2 cr.

**AAS 499C Class # 2005** 3 cr.

**AAS 499D Class # 2007** 4 cr.

**AAS 499E Class # 2009** 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.

Through a combination of illustrated lectures alternating with studio work, students are introduced to the visual language of art. Line, shape, color, movement, texture and space are investigated as basic elements of this visual language. The work of well-known artists is analyzed to show how paintings, sculpture, architecture, prints, and crafts are created as visual statements with unique expressive and social meanings. In the studio section of the course, students are guided in the employment of the visual language to create their own expressions of mood and meaning. Art majors take intensive work in drawing.

**Class # 5005**
6/27-7/28
MTWR 0800-1000
HH 374
Instructor: Rigby

**Class # 5007**
6/27-7/28
MTWR 1030-1230
HH 374
Instructor: Rigby

**ART 105/Introduction to Art History**

3 cr.

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 # 5009**
6/27-7/28
MTWR 1245-1445
FH 132
Instructor: Lehman

**ART 201/Printmaking**

2 cr.

_Pเราerequisite: 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 # 5011**
6/27-7/28
MTWR 1700-1900
HH 434
Instructor: Brooks

**ART 302/Advanced Printmaking**

3 cr.

_Preaerequisite: ART 201 or permission of instructor_.

During alternate semesters, specialization in one printmaking media: lithography, silk-screen, intaglio printing, relief printing, collography, etc. Emphasis on exploring an experimental contemporary application of these techniques. May be repeated.

**Class # 5013**
6/27-7/28
MTWR 1700-1900
HH 434
Instructor: Brooks
**ART 499/Independent Study** 1-6 cr.

Prequisites: enrollment in the upper division art major; student must have taken a minimum of 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. Must be approved in person by department chair.

Hours: TBA

**ART 499A** Class #2015 1 cr.
**ART 499B** Class #2017 2 cr.
**ART 499C** Class #2019 3 cr.
**ART 499D** Class #2021 4 cr.
**ART 499E** Class #2023 5 cr.
**ART 499F** Class #2025 6 cr.

Coordinator: Goldstein

**ART/Cooperative Education** 3,6 cr.

(See COOPERATIVE EDUCATION for description.)

---

**Biology**

BIO 161, 162/Principles of Biology I, II 3,3 cr.

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 highlighted 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 161**
Class #5021
6/13-7/7 MTWR 1730-2050
Lect. CH 103
Lab. CH 201
Instructor: Rockel

**BIO 162**
Class #5023
7/11-8/4 MTWR 1730-2050
Lect. CH 103
Lab. CH 201
Instructor: Bricke

**BIO 163, 164/General Biology** 4,4 cr.

I, 11

For biology majors. Fundamentals of cellular and subcellular structures, tissues, genetics, metabolism, and organismal biology: morphology and physiological function in plants and animals.

**BIO 163**
Class #5025
6/13-7/7 MTWR 0815-1300
Lect. BR 125
Lab. CH 217
Instructor: Staff

**BIO 164**
Class #5027
7/11-8/4 MTWR 0815-1300
Lect. NU 111
Lab. CH 217
Instructor: Lipton

**BIO 461/Coastal Plain Ecology** 1 cr.

Prerequisite: BIO 261 or permission of instructor.

A course designed to acquaint the student with the ecology of one of the major land areas of New Jersey. Predominantly field studies but lectures and student seminars will be employed to investigate pine barrens, swamps, bogs, marsh, and barrier beach environments. Offered in the summer session only. Field trips at student expense may be required.

---

**Astronomy (Physics Department)**

AST 161/Descriptive Astronomy 3 cr.

Study of celestial bodies. Topics: earth and its motions, celestial sphere, moon, sun, planets, comets, meteors, stars, galaxies, cosmology, time, calendar. Evening observations with telescopes and planetarium demonstrations included.

Class #5199
6/27-7/28 MTR 1935-2215
CH 114
Instructor: Hiack
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) 771-2531 for registration information.

- Courses to be given at Sandy Hook

Courses Not Covered by the Guarantee

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Text</th>
<th>Credits</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 132</td>
<td>Introduction to Marine Sciences (Oceanography)</td>
<td>4 cr.</td>
<td>MW 1800-2115</td>
</tr>
<tr>
<td>Class #5035</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 433</td>
<td>Intro. to Marine Biology</td>
<td>4 cr.</td>
<td>MW 0900-1650</td>
</tr>
<tr>
<td>Class #5037</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 463A</td>
<td>Bio.—Fisheries Techniques</td>
<td>1 cr.</td>
<td>TWRF 1800-2030</td>
</tr>
<tr>
<td>Class #5039</td>
<td></td>
<td></td>
<td>S 0800-1700</td>
</tr>
<tr>
<td>BIO 463B</td>
<td>Chem.—Water Quality</td>
<td>1 cr.</td>
<td>TWRF 1800-2030</td>
</tr>
<tr>
<td>Class #5041</td>
<td></td>
<td></td>
<td>S 0800-1700</td>
</tr>
<tr>
<td>BIO 463C</td>
<td>Phys.—Waves, Wind and Weather</td>
<td>1 cr.</td>
<td>TWRF 1800-2030</td>
</tr>
<tr>
<td>Class #5043</td>
<td></td>
<td></td>
<td>S 0800-1700</td>
</tr>
<tr>
<td>BIO 463D</td>
<td>Geo. Shoreline Dynamics</td>
<td>1 cr.</td>
<td>TWRF 1800-2030</td>
</tr>
<tr>
<td>Class #5045</td>
<td></td>
<td></td>
<td>S 0800-1700</td>
</tr>
<tr>
<td>BIO 463E</td>
<td>Topics: Marine Science Education</td>
<td>1 cr.</td>
<td>TWRF 1800-2030</td>
</tr>
<tr>
<td>Class #5047</td>
<td></td>
<td></td>
<td>S 0800-1700</td>
</tr>
<tr>
<td>BIO 463F</td>
<td>Marine Fossils of the NJ Coastal Plain</td>
<td>1 cr.</td>
<td>TWRF 1800-2030</td>
</tr>
<tr>
<td>Class #5049</td>
<td></td>
<td></td>
<td>S 0800-1700</td>
</tr>
<tr>
<td>BIO 499</td>
<td>Independent Study in Marine Sciences-Sandy Hook</td>
<td>1-4 cr.</td>
<td>TBA</td>
</tr>
<tr>
<td>Class #2043</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 499B</td>
<td></td>
<td>2 cr.</td>
<td></td>
</tr>
<tr>
<td>Class #2045</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 499C</td>
<td></td>
<td>3 cr.</td>
<td></td>
</tr>
<tr>
<td>Class #2047</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 499D</td>
<td></td>
<td>4 cr.</td>
<td></td>
</tr>
<tr>
<td>Class #2049</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coordinator:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eble</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Basic Scuba-NAUI

7/18-7/24

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 # 5051
5/31-6/14
5 MTWRF 0800-1700

BIO 433/Intro. to Marine Biology
Class # 5053
6/20-7/15
5 MTWRF 0900-1700

BIO 463/Man's Impact on Coastal Zone
Class # 5055
5/17-5/21
TWRF 1800-2030
S 0800-1700

BIO 499/Independent Study in Marine Sciences-Seaville
1-4 cr.

Basic Scuba-NAUI
7/25-7/31

For special registration form contact the Division of Graduate and Continuing Studies.

Chemistry

CHM 201, 202/General
4.4 cr.

Chemistry I, II
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 # 5061
6/13-7/7
Lect. CH 101
Lab. CH 319

CHM 202
Class # 5063
7/11-8/4
Lect. CH 101
Lab. CH 319

CHM 350/Fundamentals of Biochemistry
3 cr.
Restriction: not applicable to chemistry major.
Prerequisite: CHM 202
An introduction to the fundamentals and principles of biochemical molecules and how they function in living systems.

CHM 351, 352/Organic Chemistry I, II
5.5 cr.
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 # 5067
6/6-7/8
Lect. CH 103
Lab. CH 339

CHM 352
Class # 5069
7/11-8/12
Lect. CH 103
Lab. CH 339

CHM 499/Independent Study in Chemistry
3 to 6 cr.

Study in Chemistry
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 499C
Class # 2063
3 cr.

CHM 499D
Class # 2065
4 cr.

CHM 499E
Class # 2067
5 cr.

CHM 499F
Class # 2069
6 cr.

CHM/Cooperative Education in Chemistry
3,6 cr.

(See COOPERATIVE EDUCATION for description.)
Communication & Theatre

CTH 100/Speech I: Fundamentals 3 cr. of Public Speaking
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 #5075 6/27-7/28 MTR 1045-1325 BL 125 Instructor: Staff

CTH 212/Television Production I 3 cr.
Television studio production; camera operation, basic principles of lighting, sound and set design; functions of director; control room operations and basic television directing. Class #5077 6/6-7/1 MTWR 0800-1200 FH 124 Instructor: Rogosky

Class #5079 6/6-7/1 MTWR 1300-1700 FH 124 Instructor: Rogosky

CTH 286/Theatre Production Workshop 3 cr.
The Studio at Trenton State College
Class members will form a theatre company for the production of a fully staged play for public presentation. Students will participate in all phases of production including planning, technical preparation, promotion, front of house activities and acting. Class meets for rehearsal, shop work, and other activities. Monday-Thursday 7/6-8/4. Final dress and technical rehearsals will be held the weekend of July 29-31. Performances will be 8/5-8/7 and 8/12-8/14.
Addional enrollment for independent study credit may be arranged in connection with key production positions. For such arrangements, applicants should schedule an interview with Dr. Jack McCullough by telephoning (609) 771-2106 prior to registration.
Recent summer Studio productions have included Last of Red Hot Lovers, Pfeifers People, California Suite, The Bat, and several evenings of short selections. Class #5081 7/6-8/14 See course description for details KE 122 Instructor: Staff

CTH 499/Independent Study in Communication and Theatre
Prerequisite: project application must be developed with faculty supervisor and reviewed by departmental faculty prior to approval for registration. This process normally requires about 30 days.
Individual study under faculty supervision. Work may be coordinated with participation in performance activities. May be arranged to fit semester or quarter schedules.
Hours: TBA
CTH 499A Class #2075 1 cr.
CTH 499B Class #2077 2 cr.
CTH 499C Class #2079 3 cr.
CTH 499D Class #2081 4 cr.
CTH 499E Class #2083 5 cr.
CTH 499F Class #2085 6 cr.
Coordinator: McCullough

CTH/Cooperative Education 3,6 cr.
in Speech Communication and Theatre (See COOPERATIVE EDUCATION for description.)

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 #5087 6/20-7/28 MTWR 1025-1205 HH 253 Instructor: Staff

Class #5089 6/20-7/28 MTWR 1715-1855 HH253 Instructor: Staff

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 #5091 6/20-7/28 MTWR 1250-1430 HH 253 Instructor: Staff

Class #5093 6/20-7/28 MTWR 1915-2055 HH 253 Instructor: Staff
CSC 499/Independent Study in Computer Science
Prerequisite: by invitation only.
Student will study independently an appropriate area. A department member will be assigned to advise the student.
Hours: TBA
MAT 499C Class # 2087
Coordinator: Conjura

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

Criminal Justice

CRJ 215/Juvenile Delinquency 3 cr.
Class # 5099
6/6-6/17 MTWRF 0830-1230
BR 126
Instructor: McCormack

CRJ 425/Internship in Criminal Justice 4 cr.
By arrangement. May be repeated for credit.
Class # 5101
6/20-7/28
Hours: TBA
Instructors: Lengyel, McCormack

CRJ 499/Independent Study in Criminal Justice 3-6 cr.
Prerequisites: 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 # 2091 3cr.
CRJ 499F Class # 2093 6cr.
Coordinator: Lengyel

CRJ/Cooperative Education in Criminal Justice 3,6 cr.
(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 # 5107
6/27-7/28 MTR 1045-1325
HH 372
Instructor: Novick

ENG 120/Experiencing Literature 3 cr.
Prerequisite: English 107.
An introduction to the various approaches and disciplines employed by professional literary critics and scholars to enhance their appreciation, understanding and evaluation of literary works.
Class # 5109
6/6-6/17 MTWRF 0800-1200
BR 128
Instructor: Brazell

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 # 5111
6/27-7/28 MTR 1045-1325
HH 315
Instructor: Dementt

ENG 246/The Film 3 cr.
Prerequisite: English 107.
Background and development of the motion picture; film technique and aesthetics; film criticism.
Class # 5113
6/27-7/28 MTR 0800-1040
HH 372
Instructor: Novick

ENG 345/Studies in Literature: Mystery Fiction 3 cr.
Mystery fiction considered as a serious literary genre from Edgar Allen Poe and Conan Doyle to Sayers, Christie, P.D. James and beyond.
Class # 5115
6/27-7/28 MTWR 1030-1230
HH 316
Instructor: Brown

ENG 499/Independent Study 1-4 cr.
Prerequisite: junior standing.
Intensive study of a literary or linguistic problem chosen through consultation between student and instructor.
Hours: TBA
ENG 499A Class # 2099 1cr.
ENG 499B Class # 2101 2cr.
ENG 499C  Class #2103  3 cr.
ENG 499D  Class #2105  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 # 5121
6/6-6/17  MTWRF 1000-1500  CH 102  Instructor: Goldstein

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 # 5125
6/27-7/28  MTR 1340-1620  CH 102  Instructor: Goldstein

GOL 398/Selected Topics in Geology: Environmental Geology of New Jersey  3 cr.
Environmental Geology is a study of geology as it relates to human activities. Topics covered will include earthquakes, volcanoes, water resources, energy resources, mineral resources, pollution, medical geology, land use planning and environmental law.
Several field trips will be taken to supplement the course material.
No prerequisites.
Class # 5123
6/27-7/28  MTR 1045-1325  CH 102  Instructor: 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 #2123  1 cr.
GOL 499B  Class #2125  2 cr.
GOL 499C  Class #2127  3 cr.
GOL 499D  Class #2129  4 cr.
GOL 499E  Class #2131  5 cr.
GOL 499F  Class #2133  6 cr.
Coordinator: Goldstein

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

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 # 5131
6/27-7/28  MTR 1340-1620  FH 211  Instructor: Allen

HIS 102/Western Civilization from 1648 to Present  3 cr.
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 # 5133
6/27-7/28  MTR 1645-1925  FH 211  Instructor: Faughnan

HIS 115/Introduction to U.S. History: Early  3 cr.
Chronological survey of major developments in American history from colonial settlement through the period of reconstruction following the Civil War.
Class # 5135
6/27-7/28  MTR 0800-1040  FH 208  Instructor: Ellis

HIS 499/Independent Study in History  3 cr.
in History  
(class hours by arrangement)
Prerequisite: 12 hours in history completed with an overall G.P.A. of 3.00 and/or approval of instructor and department chair.
An intensive study of a problem or area of study...
Mathematics

MAT 099/Intermediate Algebra  
2 cr. (additive)  
Prerequisites: satisfactory completion of the academic development required in mathematics; demonstrated inadequate level of preparation for the courses MAT 120, 211, 227.  
This course is designed for students majoring in fields where at least one of the courses, Elementary Math Analysis (MAT 120), Quantitative Analysis (MAT 211) or Calculus I (MAT 227), is required. Topics include: Elementary Algebra, Analytic Geometry and Trigonometry.

Class #5141  
6/20-7/28  
MTWR 1715-1855  
HH 128/129  
Instructor: Staff

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 #5143  
6/20-7/28  
MTWR 0830-1010  
HH 120  
Instructor: Staff

Class #5145  
6/20-7/28  
MTWR 1715-1855  
HH 124  
Instructor: Staff

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 topics chosen varies widely among sections.

Class #5147  
6/20-7/28  
MTWR 1025-1205  
HH 204  
Instructor: Staff

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 #5149  
6/20-7/28  
MTWR 0830-1010  
HH 204  
Instructor: Staff

Class #5152  
(See COOPERATIVE EDUCATION for description.)

Class #5151  
6/20-7/28  
MTWR 1915-2055  
HH 124  
Instructor: Staff

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 #5153  
6/20-7/28  
MTWR 1715-1855  
HH 128/129  
Instructor: Staff

MAT 227, 228/Calculus I, II  
3,3 cr.  
Liberal studies course. A two-semester course in differential and integral calculus. Prerequisite for many higher-level mathematics courses. Typical topics: limits, derivatives, integrals, transcendental functions, and techniques of integration.

Class #5157  
6/20-7/28  
MTWR 1915-2055  
HH 120  
Instructor: Staff

MAT 228  
6/20-7/28  
MTWR 1915-2055  
HH 128/129  
Instructor: Staff

MAT 229/Calculus III  
3 cr.  
Prerequisite: MAT 226 or 228.  
Continuation of MAT 227, 228. Typical topics: vectors and parametric equations, infinite series, partial differentiation, multiple integrals, and line and surface integrals.

Class #5161  
8/1-8/25  
MTWR 0830-1200  
HH 124  
Instructor: Staff
MAT 495/Independent Study in 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
Class #2145 Coordinator: Iannone

MAT 498/Independent Study 3 cr. in Mathematics
Prerequisite: by invitation only.
Student will study independently an appropriate area. A departmental member will be assigned to advise the student. Hours: TBA
Class #2147 Coordinator: Iannone

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

Modern Languages

FRE 499/Independent Study in 1-4 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
FRE 499A Class #2151 1 cr.
FRE 499B Class #2153 2 cr.
FRE 499C Class #2155 3 cr.
FRE 499D Class #2157 4 cr.
Coordinator: Winkel

GER 499/Independent Study in 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 #2159 Coordinator: Winkel

ITL 499/Independent Study in Italian 1-4 cr.
Prerequisite: permission of instructor.
For courses not offered regularly.
ITL 499A Class #2161 1 cr.
ITL 499B Class #2163 2 cr.
ITL 499C Class #2165 3 cr.
ITL 499D Class #2167 4 cr.
Coordinator: Winkel

SPA 101-102/Spanish for Beginners I and II 3, 3 cr.
(language laboratory required)
An introduction to spoken and written Spanish, emphasizing the skills of reading, comprehension and writing.
SPA 101
Class #5167 6/6-6/23 MTWR 1715-2100 HH 315/316 Instructor: Murphy
SPA 102
Class #5169 6/27-7/14 MTWR 1715-2100 HH 315/316 Instructor: Murphy

SPA 499/Independent Study in Spanish 1-4 cr.
Prerequisite: permission of instructor.
Study of a period, genre or problem in Spanish literature and civilization, selected following consultation between student and instructor. Hours: TBA
SPA 499A Class #2169 1 cr.
SPA 499B Class #2171 2 cr.
SPA 499C Class #2173 3 cr.
SPA 499D Class #2175 4 cr.
Coordinator: Winkel

SPA/Cooperative Education in Spanish 3, 6 cr.
(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 #5175 6/27-7/28 MTR 1340-1620 BR 127 Instructor: Benedetti
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 #5177
6/27-7/28 MTR 1340-1620
BR 126 Instructor: Safran

MUS 271/Aural Perception I 1 cr. (2 laboratory hours) Prerequisite: MUS 160A Develops the student’s aural perception, his ability to reproduce concepts vocally, and his sight-singing skills.

Class #5179
6/6-6/17 MTWRF 0800-0915
BR 132 Instructor: Benedetti

MUS 272/Aural Perception II 1 cr. Continuation of Aural Perception I.

Class #5181
6/6-6/17 MTWRF 0800-0915
BR 132 Instructor: Benedetti

MUS 371/Aural Perception III 1 cr. (2 laboratory hours) Continuation of Aural Perception II.

Class #5183
6/6-6/17 MTWRF 0800-0915
BR 132 Instructor: Benedetti

MUS 499/Independent Study 1-3 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 #2181 1 cr. MUS 499B Class #2183 2 cr. MUS 499C Class #2185 3 cr. Coordinator: Potter

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

Readings drawn from classical and contemporary authors.

Class #5189
6/20-7/28 MTR 1030-1245
HH 128 Instructor: Clouser

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 #5191
6/20-7/28 MTR 1300-1515
HH 128 Instructor: Clouser

PHI 499/Independent Study in Philosophy Prerequisite: Permission of the department. Independent study of a particular philosophical topic, in close consultation with a member of the department. Hours: TBA PHI 499C Class #2190 Coordinator: Winston

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

Physics

PHY 201, 202/General Physics 4,4 cr. I, II 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 #5201
6/6-7/1 MTWR 0800-1210
Lect. CH 111
Lab. CH 334
Instructor: Hlack

Class #5203
6/6-7/1 MTWR 1700-2110
Lect. CH 111
Lab. CH 334
Instructor: Moses

PHY 202
Class #5205
7/5-7/28 MTWR 0800-1210
Lect. CH 111
Lab. CH 301
Instructor: Fink

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.
PHY 202
Class #5207
7/5-7/28 MTWR 1700-2110
Lect. CH 111 Instructor: Gleeson
Lab. CH 301

PHY 499/Independent Study in Physics
1-6 cr.
(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 A Class #2197 1 cr.
PHY B Class #2199 2 cr.
PHY C Class #2201 3 cr.
PHY D Class #2203 4 cr.
PHY E Class #2205 5 cr.
PHY F Class #2207 6 cr.
Coordinator: Hiack

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

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 #5213
6/27-7/28 MTR 1645-1925 HH 252 Instructor: Fair

POL 398/Independent Study in Political Science
Prerequisite: student proposals must be approved by the Political Science Department before registration.
Independent study in the selected area of political science. This course may be repeated for credit if the topic is different.
Classes: 1-6 credits

POL 398A Class #2213 1 cr.
POL 398B Class #2215 2 cr.
POL 398C Class #2217 3 cr.
POL 398D Class #2219 4 cr.

POL 398E Class #2221 5 cr.
POL 398F Class #2223 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 #5215 3 cr.
POL 497D Class #5217 4 cr.
POL 497E Class #5219 5 cr.
POL 497F Class #5221 6 cr.
Coordinator: Koch

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

Psychology

PSY 101/Introductory Psychology
Fundamental principles of psychology, stressing history and methodology, brain and behavior, principles of learning and perception, human development and personality, abnormal behavior and treatment.
Class #5227
6/27-7/28 MTWR 0800-1000 FH 423 Instructor: Saxton

PSY 102/Introductory Psychology
Prerequisite: PSY 101
Exploration and analysis of specific aspects of human functioning including cognitive processes, motivation, emotion, states of consciousness, individual differences and social behavior.
Class #5229
6/20-7/28 MTWR 1715-1855 FH 201/202 Instructor: Gorczynski

PSY 203/Statistics in Behavioral Science
Prerequisite: PSY 101 and 102.
Restriction: open only to psychology majors or double majors.
Elementary calculation and interpretation of standard statistical techniques. Parametric measures up to elementary analysis of variance, factorial design. Introduction to nonparametrics.
Class #5231
6/20-7/28 MTWR 1250-1430 FH 424 Instructor: Gorczynski
PSY 222/Child Psychology 3 cr.
Prerequisite: PSY 101 or 102.
Psychological, physical and social development of children. Theories of development include learning dynamic and cognitive theories.
Class # 5233
6/27-7/28 MTWR 1030-1230
FH 424 Instructor: Staff

PSY 224/Adolescent Psychology 3 cr.
Prerequisite: PSY 101 or 102.
Physical, intellectual, personality and social development during the period from puberty to the attainment of full adult status within the society. Emphasis on family, peer, school and community influences on development.
Class # 5235
6/27-7/28 MTR 1045-1325
FH 411 Instructor: Staff

PSY 313/Learning, Memory and Motivation 3 cr.
Prerequisite: PSY 101.
Examination of the fundamental principles of major learning theories, memory and attention, motivation, and their application to human life experiences.
Class # 5237
6/27-7/28 MTR 0800-1040
FH 410 Instructor: Archer

PSY 316/Psychology of Personality 3 cr.
Prerequisite: PSY 101 and 3 additional s.h. of psychology.
Contemporary approaches to the study of personality. Detailed treatment of various modern theories of personality. Major determinants and dynamics of personality organization.
Class # 5239
6/27-7/28 MTR 1340-1620
FH 423 Instructor: Staff

PSY 331/Introduction to Abnormal Psychology 3 cr.
Prerequisite: 6 s.h. of psychology.
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.
Class # 5241
6/27-7/28 MTWR 1030-1230
FH 423 Instructor: Saxton

PSY 333/Mental Health 3 cr.
Prerequisite: 6 s.h. of psychology.
Examination of problems involved in self-understanding and understanding of others. Discussion of personality and personal value systems. Elementary discussion of common behavior problems.
Class # 5243
6/6-6/17 MTWR 0930-1630
BR 127 Instructor: Hoehn

PSY 499/Independent Study in Psychology 1-6 cr.
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 # 2229 1 cr.
PSY 499B Class # 2231 2 cr.
PSY 499C Class # 2233 3 cr.
PSY 499D Class # 2235 4 cr.
PSY 499E Class # 2237 5 cr.
PSY 499F Class # 2239 6 cr.
Coordinator: Sarafino

PSY/Cooperative Education in Psychology (See COOPERATIVE EDUCATION for description.)

Religion

REL 151/Comparative Religion 3 cr.
Comparison of major teachings of Hinduism, Buddhism, Zen Buddhism, Taoism, Confucianism, Judaism, Christianity and Islam. The Hindu Bhagavat Gita, Buddhist scriptures and/or other original sources will be read.
Class # 5193
6/20-7/28 MTR 0800-1015
HH 128 Instructor: Brahmnsy

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 497C Class # 2191
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 #5249
6/20-7/28 MTR 1030-1245
BL 228 Instructor: Anderson

SOC 315/Minority Group Relations 3 cr.
Prerequisite: SOC 101
Racial, religious, ethnic, sexual and other minorities; their interaction with the dominant society. Social, psychological and economic factors in minority-majority relations.
Class #5251
6/20-7/28 MTR 1700-1915
BL 228 Instructor: True

SOC 325/Topics in Sociology: Sociological Perspective on Mental Health 3 cr.
The impact of social factors on individuals which lead to personal difficulties. Social definitions of mental health and mental illness as related to power. Students will also be taught re-evaluation co-counseling techniques as a means of achieving understanding and control for themselves and others. This course is recommended for students who wish to pursue careers in human services.

- This Course is Not Covered by the Guarantee.
Class #5253
6/6-6/17 MTWRF 0930-1530
KE 113 Instructor: Robboy

SOC 402/Independent Study in Sociology 1-3 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 #2245 1 cr.
SOC 402B Class #2247 2 cr.
SOC 402C Class #2249 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 # 5257
6/6-7/1 BR 129 Instructor: Dunlevy

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 # 5259
7/5-7/28 MTWR 0800-1030
BL 128 Instructor: Dunlevy

Business Administration

Computer Usage Modules
The following computer usage modules are designed to introduce students to the various uses of computers in business and to help them develop computer-use skills.

While each module carries one semester of credit, students are cautioned that only three credits may be counted toward meeting degree requirements in the School of Business.

BUS 200/Introduction to Microcomputer and Its Operating System
Class # 5265
6/6-6/10 MTWR 0900-1200
BL 28 Instructor: Letcher
Class # 5267
6/13-6/17 MTWR 1300-1600
BL 28 Instructor: Letcher
BUS 201/Introduction to Word Processing
Class # 5269
6/13-6/17 MTWR 0900-1200
BL 28 Instructor: Prant

BUS 203/Introduction to the use of Spreadsheets
Class # 5271
6/6-6/10 MTWR 1300-1600
BL 28 Instructor: Letcher

BUS 204/Introduction to a Micro Database System
Class # 5275
6/20-6/24 MTWR 1300-1600
BL 28 Instructor: Sherrer

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.
Hours: TBA

BUS 499A Class # 2261 1cr.
BUS 499B Class # 2263 2cr.
BUS 499C Class # 2265 3cr.
BUS 499D Class # 2267 4cr.
BUS 499E Class # 2269 5cr.
BUS 499F Class # 2271 6cr.
Coordinator: Patrick
BUS/Cooperative Education in Business 3,6 cr.
(See COOPERATIVE EDUCATION for description.)

Economics

ECO 201/Principles of Economics: Macro 3 cr.
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 # 5281
7/1-7/28 MTWR 0930-1200
BL 229 Instructor: Hall

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 # 5283
6/6-6/30 MTWR 1040-1310
BR 129 Instructor: Breslin
ECO 230/Business and Economic Statistics 3 cr.
Prerequisite: MAT 227, 228
Basic tools and techniques of descriptive and inferential statistics especially applied to business.
Class #5285
6/6-6/30 MTWR 0800-1030
BR 133 Instructor: Samanta

ECO 231/Applied Economics and Business Statistics 3 cr.
(3 class hours)
Prerequisites: ECO 201 and 202 (one of which may be taken concurrently), and ECO 230 in which student must have earned a "C" or better.
Application of statistical techniques to business problems. The regression model is emphasized.
• This Course Is Not Covered by the Guarantee.
Class #5287
7/1-7/28 MTWR 0800-1030
BL 124 Instructor: Samanta

ECO 499/Independent Study 1-6 cr. in Economics
Prerequisite: Permission of the department.
Hours: TBA
ECO 499A Class #2275 1 cr.
ECO 499B Class #2277 2 cr.
ECO 499C Class #2279 3 cr.
ECO 499D Class #2281 4 cr.
ECO 499E Class #2283 5 cr.
ECO 499F Class #2285 6 cr.
Coordinator: Hall
*Classes scheduled to meet on Monday, July 4 will meet on Friday, July 1.

Management

MGT 310/Management of Organization Behavior 3 cr.
(Computer lab project in addition to class hours)
Prerequisites: ACC 261, PSY 101, MAT 228, ECO 230
Focus on the manager as a leader utilizing and developing human resources. Management tasks of organizing and staffing are examined in relation to individual/organizational/technological constraints.
Class #5293
6/27-7/28 MTR 1645-1925
BL 124 Instructor: Sanyal

MGT 445/Managing Social Impact of Business 3 cr.
Prerequisite: MGT 310
A study of the impact of business on society and of developing guidelines for managing this impact. Emphasizes current issues in business-society relationships.
• This Course Is Not Covered by the Guarantee.
Class #5294
6/27-7/28 MTR 1645-1925
BL 125 Instructor: Hofmann

Marketing

MKT 340/Marketing Principles 3 cr.
(Computer lab project in addition to class hours)
Prerequisites: ACC 261, PSY 101, MAT 228, ECO 201, 202
An introduction to the marketing discipline. Exposes students to the variables examined in designing marketing strategy and the options available to the marketing manager.
Class #5295
6/6-6/24 MTWRF 1400-1640
BR 133 Instructor: Koenig
## Early Childhood Education

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 498/Independent Study</td>
<td>1-3 cr.</td>
<td>in Early Childhood Education. Prerequisite: departmental approval.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>An in-depth independent study of an aspect of early childhood education chosen through consultation between the student and a faculty advisor.</td>
</tr>
<tr>
<td>Hours: TBA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECE 498A Class #2287</td>
<td>1 cr.</td>
<td></td>
</tr>
<tr>
<td>ECE 498B Class #2289</td>
<td>2 cr.</td>
<td></td>
</tr>
<tr>
<td>ECE 498C Class #2291</td>
<td>3 cr.</td>
<td></td>
</tr>
<tr>
<td>ECE/Cooperative Education</td>
<td>3,6 cr.</td>
<td>(See COOPERATIVE EDUCATION for description.)</td>
</tr>
</tbody>
</table>

## Educational Foundations

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 499/Independent Study</td>
<td>1-6 cr.</td>
<td>Educational Foundations. Prerequisite: permission of major department chair.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Intensive study of a selected area chosen through consultation between student and instructor.</td>
</tr>
<tr>
<td>Hours: TBA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EDF 499A Class #2297</td>
<td>1 cr.</td>
<td></td>
</tr>
<tr>
<td>EDF 499B Class #2299</td>
<td>2 cr.</td>
<td></td>
</tr>
<tr>
<td>EDF 499C Class #2301</td>
<td>3 cr.</td>
<td></td>
</tr>
<tr>
<td>EDF 499D Class #2303</td>
<td>4 cr.</td>
<td></td>
</tr>
<tr>
<td>EDF 499E Class #2305</td>
<td>5 cr.</td>
<td></td>
</tr>
<tr>
<td>EDF 499F Class #2307</td>
<td>6 cr.</td>
<td></td>
</tr>
</tbody>
</table>

## Elementary Education

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELM 325/Teaching Science and Social Studies in the Elementary School</td>
<td>3 cr.</td>
<td>(required of students in Track OIA) Planning for teaching of science and social studies instruction.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class #5303</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6/27-7/28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MTR 1045-1325</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FH 256/257</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Instructor: Staff</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELM 498/Independent Study</td>
<td>1-3 cr.</td>
<td>Elementary Education. Prerequisite: departmental approval.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>An independent study of an aspect of early childhood education chosen through consultation between the student and a faculty advisor.</td>
</tr>
<tr>
<td>Hours: TBA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELM 498A Class #2313</td>
<td>1 cr.</td>
<td></td>
</tr>
<tr>
<td>ELM 498B Class #2315</td>
<td>2 cr.</td>
<td></td>
</tr>
<tr>
<td>ELM 498C Class #2317</td>
<td>3 cr.</td>
<td></td>
</tr>
<tr>
<td>Coordinator: Durkin</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELM/Cooperative Education</td>
<td>3,6 cr.</td>
<td>in Elementary Education. (See COOPERATIVE EDUCATION for description.)</td>
</tr>
</tbody>
</table>
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 #5323
6/6-6/17 MTWR 1700-1930
PA 103
Instructor: McCoy

HED 356/Foundations of Sex 3 cr.
Education
Analysis of human sexuality, including human sexual response, value clarification, contraception, abortion, reproduction, social mores, homosexuality, sex research and sex education. Curriculum design and implementation.
Class #5325
6/6-6/17 MTWR 0800-1200
PA 103
Instructor: Brown

HED 358/Perspectives on Aging, 3 cr.
Death and Dying
Analysis of personal meanings of aging, death and dying viewed from biological, psychological, medical and bioethical aspects. Roles of professionals in these areas and appraisal of current trends and research.
Class #5327
6/6-6/17 MTWR 0800-1200
FH 204
Instructor: Herzstein

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.
This Course Is Not Covered by the Guarantee.
Class #5329
6/6-6/17 MTWR 1645-1925
FH 204
Instructor: Herzstein

HED 497/Workshop in Health 3 cr.
Education: AIDS
In-depth study of AIDS from the basics (transmission, prevention, education), to coping (psychosocial issues), to helping (volunteerism, health/social services), to caring (critical issues, research).
This Course Is Not Covered by the Guarantee.

Class #5331
6/2-6/23 MTWR 1800-2100
PA 103
Instructors: Cochrane Gorczynski

HED 499/Independent Study 1-6 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 #2323 1 cr.
HED 499B Class #2325 2 cr.
HED 499C Class #2327 3 cr.
HED 499D Class #2329 4 cr.
HED 499E Class #2331 5 cr.
HED 499F Class #2333 6 cr.
Coordinator: Hill

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

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 #5337
6/6-6/17 MTWR 1530-1800
PA 103
Instructor: Oshel

PED 201/Aquatics I 1 cr.
Prerequisite: Aquatics Screening Test.
Class #5335 6/6-6/17  MTWR 1930-2200  PED 203-204/Human Anatomy and Physiology 3,3 cr. Instructor: McCorkle

Prerequisite: BIO 181 & 182. 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.

PED 203 Class #5339 6/20-7/8  MTWR 0800-1200  PA 101

PED 204 Class #5341 7/11-7/28  MTWR 0800-1200  PA 101

PED 212/Tennis 1 cr. Development of basic skills, knowledge of etiquette and rules of tennis. Emphasis on ability to perform, mechanical analysis and teaching techniques.

Class #5343 6/6-6/17  MTWR 0800-0920  Gym I

PED 351/Stress Management 3 cr. 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.

Class #5345 6/27-7/28  MTR 0800-1040  PA 103 and 108

PED 393/Practicum I 3,6 cr. Emphasis upon practical experience, observation, participation and organization of programs of fitness, healthful living or recreational skills sponsored by publicly and privately supported agencies or businesses. Hours: TBA

PED 393C Class #5347 3 cr. Instructor: Cooper

PED 393F Class #5349 6 cr.

PED 493/Practicum II 3, 6 cr. 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. Hours: TBA

PED 493C Class #5351 3 cr.

PED 493F Class #5353 6 cr. Instructor: Cooper

PED 499/Independent Study 1-6 cr. in Physical Education Prerequisite: Approval of topic by department. For advanced student; in-depth study of a carefully defined area of physical education. Hours: TBA

PED 499A Class #2339 1 cr.

PED 499B Class #2341 2 cr.

PED 499C Class #2343 3 cr.

PED 499D Class #2345 4 cr.

PED 499E Class #2347 5 cr.

PED 499F Class #2349 6 cr.

Coordinator: Hill

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

Reading

RDG 324/Reading/Language Arts 3 cr. in Elementary Education Nature and organization of reading and language arts programs in the elementary school: methods and materials, guided observations and experiences in teaching reading and the language arts in an elementary school classroom. (May not be substituted for RDG 304)

Class #5305 6/6-6/17  MTWR 0800-0920  Gym I

RDG 328/Teaching Reading in the Middle and Senior High School 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.

Class #5307 6/6-6/17  MTWR 0800-1040  PA 103 and 108

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.
Rec Department

Class #5309
6/27-7/28
MTR 1045-1325
FH 319
Instructor: Staff

RDG 498/Independent Study
in Reading


t 1-3 cr.

Hours: TBA
RDG 498A Class #2350 1 cr.
RDG 498B Class #2351 2 cr.
RDG 498C Class #2352 3 cr.
Coordinator: Durkin

Recreation

REC 395/Fieldwork

Experiences in Recreation
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 #5357
6/1-8/31
Hours: TBA
PA 103
Instructor: Oshel

REC 493/Internship in Recreation
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 #5359
6/1-8/31
Hours: TBA
PA 103
Instructor: Oshel

REC 499/Independent Study
in Recreation
Prerequisite: approval of topic by department.
For advanced students; in-depth study of a carefully defined area of recreation.
Hours: TBA
REC 499A Class #2355 1 cr.
REC 499B Class #2357 2 cr.
REC 499C Class #2359 3 cr.
REC 499D Class #2361 4 cr.
REC 499E Class #2363 5 cr.
REC 499F Class #2391 6 cr.
Coordinator: Oshel

REC/Cooperative Education

3,6 cr.
in Recreation
(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 #5369
6/6-6/17
MTWRF 0900-1300
PA 104/West Gym
Instructor: Fisher

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 #5371
6/13-7/1
MTWRF 1600-1850
PA 104/Prkg. Lot 8
Instructor: Medve

Special Education

SED 491/Seminar in Supervised Teaching: Observation and Participation
6 cr.
Part I: A series of pre-session orientation meetings held during the latter part of the spring semester.
Part II: A summer session consisting of limited participation in field experiences. Emphasis is placed on lesson and unit planning, assessing pupil’s needs and progress, and developing and IEP. Open to graduate students enrolled in MAT programs.

Class #5371
6/27-7/28
MTWRF Hours: TBA
Instructor: McRae

SED 499/Independent Study
in Special Education
1-6 cr.
To encourage students to explore independently a specific topic under the supervision of a faculty member. Such a study could include a unique case study, exploration of a research topic, extensive reading in an area of interest, participation in department of inter-agency clinics, workshops, etc., or such other independent studies that would contribute to the professional growth of the student.
Hours: TBA
SED 499A Class # 2397 1 cr.
SED 499B Class # 2399 2 cr.
SED 499C Class # 2401 3 cr.
SED 499D Class # 2403 4 cr.
SED 499E Class # 2405 5 cr.
SED 499F Class # 2407 6 cr.
Coordinator: Haines

SED/Cooperative Education in Special Education
(See COOPERATIVE EDUCATION for description.)

Speech Pathology and Audiology

SPP 490/Student Teaching 4 cr.
Clinical Practice I
Prerequisite: Completion of freshman, sophomore and junior speech pathology and audiology courses with 2.5 g.p.a. in major.
Supervised clinical experience in speech and language therapy with children and adults. (P/U grading)
Class # 5373
Hours: TBA
FH 142  Instructor: Hornyak

SPP 491/Student Teaching 4 cr.
Clinical Practice II
Continuation of Clinical Practice I. Supervised clinical experience in diagnosis and therapy with children and adults who have speech and language problems. (P/U grading)
Class # 5375
Hours: TBA
FH 142  Instructor: Hornyak

SPP 498/Senior Studies 1-3 cr.
in Speech, Pathology, Audiology and Education of the Hearing Impaired
Prerequisites: major in speech pathology and audiology or education of the hearing impaired; senior standing.
Individual study, under faculty supervision, enabling students to engage in intensive investigation of an area of major specialization using research procedures.
Hours: TBA
SPP 498A Class # 2409 1 cr.
SPP 498B Class # 2410 2 cr.
SPP 498C Class # 2411 3 cr.
Coordinator: Jenson

SPP/Cooperative Education 3,6 cr.
in Speech Pathology
(See COOPERATIVE EDUCATION for description.)
NUR 404/Elements of the Research Process—A Basis for the Practice of Professional Nursing

Prerequisites: NUR 402, 422, MAT 115

An introduction to the elements, process and evaluation of research as a scientific base of knowledge fundamental to the practice of nursing.

Class # 5381
5/31-6/17 MWF 1700-2000
BR 129 Instructor: Porter

*First class will meet on Tuesday, 5/31.
**SCHOOL OF TECHNOLOGY**

**Electronics Engineering Technology**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Coordinator</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELE 090/Electronics/Physics Review</td>
<td>3 cr. (additive)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Prerequisite:</strong> Two-semester, algebra-based Physics and Circuits and Devices.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELE 492, 493/Senior Project I, II</td>
<td>2,2 cr.</td>
<td>Coordinator: Thrower</td>
<td></td>
</tr>
<tr>
<td><strong>Prerequisite:</strong> senior standing and an approved project proposal.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELE 497E</td>
<td>ELE 2373</td>
<td>5cr.</td>
<td></td>
</tr>
<tr>
<td>ELE 497F</td>
<td>ELE 2375</td>
<td>6cr.</td>
<td></td>
</tr>
<tr>
<td><strong>ELE/Cooperative Education</strong></td>
<td>3,6 cr. in Electronics Engineering Technology</td>
<td>(See COOPERATIVE EDUCATION for description.)</td>
<td></td>
</tr>
</tbody>
</table>

**Industrial Engineering Technology**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>INE (IET) 215/Computer Aided Drafting</td>
<td>3 cr.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Prerequisite:</strong> TED 111 or consent of the instructor.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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 drawing entities, layering, digitizing, blocking and plotting.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Class # 5391</strong></td>
<td>MTWR 700-2040</td>
<td>AR 6</td>
<td></td>
</tr>
<tr>
<td>6/20-7/7</td>
<td>Instructor: Hess</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>INE (IET) 466/Workshop in Industrial Engineering Technology</td>
<td>3 cr.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Topic:</strong> Advanced Computer Aided Drafting</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Prerequisites:</strong> recommendation of faculty advisor, approval of department chair.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced course dealing with topics in industrial engineering technology, laboratory and theoretical study.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Class # 5393</strong></td>
<td>MTWR 700-2040</td>
<td>AR 6</td>
<td></td>
</tr>
<tr>
<td>7/11-7/29</td>
<td>Instructor: Hess</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>INE (IET) 497/Independent Study</td>
<td>1-4 cr.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Prerequisites:</strong> permission of instructor and dean of School of Technology.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For advanced students wishing to pursue a special area of interest. Topic developed in consultation with a faculty advisor.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hours: TBA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>INE (IET)/Cooperative Education</strong></td>
<td>3,6 cr. in Industrial Education Technology</td>
<td>(See COOPERATIVE EDUCATION for description.)</td>
<td></td>
</tr>
</tbody>
</table>

**Industrial Engineering Technology**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELE 492A</td>
<td>ELE 2365</td>
<td>1cr.</td>
<td></td>
</tr>
<tr>
<td>ELE 492B</td>
<td>ELE 2367</td>
<td>2cr.</td>
<td></td>
</tr>
<tr>
<td>ELE 492C</td>
<td>ELE 2369</td>
<td>3cr.</td>
<td></td>
</tr>
<tr>
<td>ELE 492D</td>
<td>ELE 2371</td>
<td>4cr.</td>
<td></td>
</tr>
</tbody>
</table>

For Information and Registration contact: 
Dr. Robert Gange 
Electronics Engineering Technology 
Trenton State College 
Hillwood Lakes CN4700 
Trenton, New Jersey 08650-4700 
609-771-2487
Mechanical Engineering Technology

MEC 232 Engineering Material Processes 3 cr.
Prerequisite: MEC 231.
Analysis of the properties and structure of engineering materials, and the behavior in the several joining, fabrication and machining processes which lead to semi-finished and finished products.
Class #5399
6/27-7/28 MTWR 1915-2230 AR 33 Instructor: Asper

MET 489/Senior Project I 2 cr.
(1 class hour and 2 laboratory hours)
Prerequisite: junior standing.
Analysis or synthesis of a technical problem, under faculty advisor supervision. Problem topic is chosen by student with approval of advisor. Project will require elements of library research, design, fabrication, test and cost analysis.
Class #5401
6/20-7/29 Hours: TBA Instructor: Shelley

MET 490/Senior Project II 2 cr.
Prerequisites: MET 489 and senior standing.
Completion of project started in MET 489, and preparation of formal report on project.
Class #5403
6/20-7/29 Hours: TBA Instructor: Shelley

MET 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 a faculty advisor.
Hours: TBA
MET 497A Class #2403 1 cr.
MET 497B Class #2405 2 cr.
MET 497C Class #2407 3 cr.
MET 497D Class #2409 4 cr.
MET 497E Class #2411 5 cr.
MET 497F Class #2413 6 cr.
Coordinator: Weber

Technology Education

TED 497/Independent Study in Technology 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
TED 497A Class #2403 1 cr.
TED 497B Class #2405 2 cr.
TED 497C Class #2407 3 cr.
TED 497D Class #2409 4 cr.
TED 497E Class #2411 5 cr.
TED 497F Class #2413 6 cr.

TED/Cooperative Education in Technology Education
(See COOPERATIVE EDUCATION for description.)

Vocational Education

VOC 391/Foundations of Vocational Education 3 cr.
Review of the sociological, philosophical and psychological foundations of vocational education with specific focus on its historical roots, present goals, values and contributions. An overview of the American educational system and how vocational education fits into the scenario. A review of vocational programs, students, facilities and responsibilities of teachers.
Class #5409
6/20-7/27 MTR 1700-1915 BL 129 Instructor: Alexander

VOC 393/Managing Learning in Vocational Education 3 cr.
Prerequisite: VOC 391.
Identification and selection of teaching strategies, techniques and behaviors which facilitate learning. Emphasis on lesson planning, developing behavioral objectives, evaluation, safety and the effects of group processes on the learning environment. Specific focus on classroom climate, verbal and nonverbal communication, transactional analysis, leadership development and interaction analysis procedures.
Class #5411
6/20-7/27 MTR 1930-2145 BL 129 Instructor: Alexander
VOC 466/Workshop in Vocational Education 1-3 cr.

Topic: Industry Update

Prerequisites: recommendation of faculty advisor, approval of department chair.

A series of workshops designed to bring vocational teachers up to date with industry and technology.

VOC 466A Class #5413 1 cr.
VOC 466B Class #5415 2 cr.
VOC 466C Class #5417 3 cr.

Hours: TBA
Instructor: Alexander

6/20-7/27

VOC 476/Honors Independent Study 3 cr.

Prerequisites: 3.5 average in department honors courses and permission of instructor.

For advanced students wishing to pursue a special area of interest on an honors basis. Topic(s) developed in consultation with instructor.

Class #2416

Hours: TBA
Coordinator: 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 #2417 1 cr.
VOC 497B Class #2419 2 cr.
VOC 497C Class #2421 3 cr.
VOC 497D Class #2423 4 cr.
VOC 497E Class #2425 5 cr.
VOC 497F Class #2427 6 cr.

Coordinator: Alexander
GRADUATE

- ADMISSION

- REGISTRATION PROCEDURES

- COURSE OFFERINGS
ADMISSION TO GRADUATE STUDIES
ACADEMIC REQUIREMENTS

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 transcript of all previous college or university work, test scores from the required nationally standardized test identified by the specific program, and a $25 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 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 $25; 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 have the option to remain in this category for a six-year period or they may apply for matriculation into a program within 12 months after enrollment in the first course. Special-admission students who do not accept the option to apply for matriculation within 12 months after first enrollment may not apply for matriculation until the special-admission status expires at the end of six years. For more information see the Graduate Bulletin.

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.
Registration for courses may be accomplished by mail (mail registration is recommended to ensure your place in class) or in person. Payment for all tuition and fees is required at the time of registration.

MAIL-IN REGISTRATION

TO REGISTER BY MAIL between April 11 and May 6:

1. Complete forms A and B. Obtain an advisor’s signature on Form A.
2. Follow admission procedures (p.36) if not previously enrolled at Trenton State College.
3. Enclose forms with check or money order for tuition and fees *and application fee if applicable* (made payable to Trenton State College) and mail, in the enclosed self-addressed envelope, to:

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

Note: Summer independent course-work contracts *must* accompany registration forms. Allow us two weeks to process your materials. We will then send your registration confirmation.

Check all of your registration materials carefully; if they are incorrect we will return them to you. We cannot hold your place in class until all of the appropriate procedures have been completed.

IN-PERSON REGISTRATION

TO REGISTER IN-PERSON between May 16 and June 3:

1. Complete forms A and B. Obtain an advisor’s signature on Form A.
2. If you are not previously enrolled at Trenton State College, see page 36 for admission procedures.
3. Bring the completed forms and your check or money order (made payable to Trenton State College) to:

   Division of Graduate and Continuing Studies
   Green Hall, room 109

between the hours of 1:00 and 3:30 p.m., Mondays through Wednesdays and between 5:00 and 7:30 p.m., Thursdays. (After hours you may drop your registration materials in the office mail slot.)

Note: Summer independent course-work contracts *must* accompany registration forms.
READ CAREFULLY THE REGISTRATION DEADLINES BELOW:

No registration can be accepted after the deadlines stated. These deadlines have been adjusted to make certain that all materials will be processed on time.

MAIL REGISTRATION
April 11-May 6

IN-PERSON REGISTRATION
May 16-June 3
1:00-3:30 p.m. Monday through Wednesday
5:00-7:30 p.m. Thursday
(No registration on Monday, May 30)

LATE REGISTRATION ($15 late registration fee)
June 9
June 16
2:00-7:30 p.m. Thursday
(No new admits accepted during late registration)

Please note: Cash cannot be accepted at evening registrations.

FINAL REGISTRATION FOR INDEPENDENT STUDY IS JUNE 3.
# TABLE OF GRADUATE TUITION AND FEES

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>In-State Tuition</th>
<th>Out-of-State Tuition</th>
<th>I.D. Student</th>
<th>General Pay</th>
<th>Pay This Amount</th>
<th>Pay This Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$90.00</td>
<td>$110.00</td>
<td>$1.00</td>
<td>$1.50</td>
<td>$7.80</td>
<td>$100.30</td>
</tr>
<tr>
<td>2</td>
<td>180.00</td>
<td>220.00</td>
<td>1.00</td>
<td>3.00</td>
<td>15.60</td>
<td>199.60</td>
</tr>
<tr>
<td>3</td>
<td>270.00</td>
<td>330.00</td>
<td>1.00</td>
<td>4.50</td>
<td>23.40</td>
<td>298.90</td>
</tr>
<tr>
<td>4</td>
<td>360.00</td>
<td>440.00</td>
<td>1.00</td>
<td>6.00</td>
<td>31.20</td>
<td>398.20</td>
</tr>
<tr>
<td>5</td>
<td>450.00</td>
<td>550.00</td>
<td>1.00</td>
<td>7.50</td>
<td>39.00</td>
<td>497.50</td>
</tr>
<tr>
<td>6</td>
<td>540.00</td>
<td>660.00</td>
<td>1.00</td>
<td>9.00</td>
<td>46.80</td>
<td>596.80</td>
</tr>
<tr>
<td>7</td>
<td>630.00</td>
<td>770.00</td>
<td>1.00</td>
<td>10.50</td>
<td>54.60</td>
<td>696.10</td>
</tr>
<tr>
<td>8</td>
<td>720.00</td>
<td>880.00</td>
<td>1.00</td>
<td>12.00</td>
<td>62.40</td>
<td>795.40</td>
</tr>
<tr>
<td>9</td>
<td>810.00</td>
<td>990.00</td>
<td>1.00</td>
<td>13.50</td>
<td>70.20</td>
<td>894.70</td>
</tr>
<tr>
<td>10</td>
<td>900.00</td>
<td>1100.00</td>
<td>1.00</td>
<td>15.00</td>
<td>78.00</td>
<td>994.00</td>
</tr>
<tr>
<td>11</td>
<td>990.00</td>
<td>1210.00</td>
<td>1.00</td>
<td>16.50</td>
<td>85.80</td>
<td>1093.30</td>
</tr>
<tr>
<td>12</td>
<td>1080.00</td>
<td>1320.00</td>
<td>1.00</td>
<td>18.00</td>
<td>93.60</td>
<td>1192.60</td>
</tr>
</tbody>
</table>

**NOTES:**

Tuition and fees are subject to change by action of the Trenton State College Board of Trustees.

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.

All tuition and fees are due at the time of registration (no deferred payments).

A. Matriculated students will pay tuition and fees at the level of their matriculation: e.g., matriculated graduate students taking undergraduate courses will pay graduate tuition rates; matriculated undergraduate students taking graduate courses will pay undergraduate rates.

B. Non-matriculated students will pay tuition and fees at the level of the course: e.g., non-matriculated graduate students taking undergraduate courses will pay undergraduate tuition rates; non-matriculated undergraduate students taking graduate courses will pay graduate tuition rates.

Students registering for cooperative education, only pay tuition and general service fee for those credits.
Biology

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 #3001  1cr.
BIO 697B Class #3003  2cr.
BIO 697C Class #3005  3cr.
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 #8015 Instructor: 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 #8016 Instructor: Shevlin

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) 771-2531 for registration information.

• Courses to be given at Sandy Hook

BIO 597A/Bio.—Fisheries
Techniques
Class #8001
5/3-5/7
TWRF 1800-2030
S 0800-1700

BIO 597B/Chem.—Water Quality
Class #8003
5/10-5/14
TWRF 1800-2030
S 0800-1700

BIO 597C/Phys.—Waves, Wind and Weather
Class #8005
5/17-5/21
TWRF 1800-2030
S 0800-1700

BIO 597D/Geo. Shoreline Dynamics
Class #8007
5/31-6/4
TWRF 1800-2030
S 0800-1700

BIO 597E/Advanced Topics: Marine Science Education
Class #8009
6/7-6/11
TWRF 1800-2030
S 0800-1700

BIO 597F/Marine Fossils of the NJ Coastal Plain
Class #8011
6/14-6/18
TWRF 1800-2030
S 0800-1700

BIO 697/Independent Study in Marine Sciences—Sandy Hook
Hours: TBA
BIO 697A Class #3007  1cr.
BIO 697B Class #3009  2cr.
BIO 697C Class #3011  3cr.
BIO 697D Class #3013  4cr.

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

• Courses to be given at Seaville

Courses Not Covered by the Guarantee
**Communication & Theatre**

**CTH 697/Independent Study in Communication and Theatre**
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. Work may be coordinated with participation in performance activities when appropriate.
**Hours:** TBA
**Coordinator:** McCullough

**Computer Science**

**CSC 599/Independent Study in Computer Science**
3 cr.
Prerequisite: by invitation only.
Independent study in a selected area of computer science through the use of course books, journal articles, and computing experience, coordinated under the supervision of faculty advisors.
**Hours:** TBA
**Coordinator:** Conjurra

**CSC 698/Department Project in Computer Science**
3 cr.
A critical independence study of an aspect of computer science of interest to the student that is explored under faculty guidance. Open only to students matriculated in the mathematics and computer science graduate program.
**Hours:** TBA
**Coordinator:** Boliver

**ENG 502/Research Methods in Language and Literature**
3 cr.
Study of the aims of scholarship in language and literature and of the skills and methods needed to achieve those aims.
**Class #8019**
6/27-7/28 MTR 1045-1325
**Instructor:** Staff
**Class #8021**
6/27-7/28 MTR 0800-1040
**Instructor:** Erath

**ENG 697/Independent Study in English**
1-4 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
**Coordinator:** Diskin

**ENG 698/Department Project in English**
3 cr.
A critical independent study of an aspect of English of interest to the student that is explored under faculty guidance. Open only to students matriculated in the English program.
**Hours:** TBA
**Instructor:** Liddle
ENG 699/Thesis/Creative Project 6 cr.
in English
An original research of creative study under the guidance of a thesis committee approved by the Graduate Committee. Open only to students matriculated in the English program.
Hours: TBA
Class # 8025 Instructor: Liddle

Geoscience

GOL 597/Advanced Topics in Geology: Environmental Geology of New Jersey 3 cr.
No prerequisite.
Environmental Geology is a study of geology as it relates to human activities. Topics covered will include earthquakes, volcanoes, water resources, energy resources, mineral resources, pollution, medical geology, and use planning and environmental law.
Several field trips will be taken to supplement the course material.
Class # 8027
6/27-7/28 MTR 1045-1325
CH 102 Instructor: Goldstein

Mathematics

MAT 100 and MAT 510 Special Program: Mathematics Retraining 1 cr.
for Teachers
May not be elected. Permission of department is required.

MAT 100/Refresher Mathematics 1 cr.
Review of the essential types and techniques of high school algebra and geometry.
6/6/6-6/17 MTR 1700-2130
BR 127 Instructor: Staff

MAT 510/Survey of Mathematics 3 cr.
Prerequisite: Admission to Program to Retrain Teachers in Mathematics.
A pre-calculus course which does not count toward the master's degree in mathematics. Introduction to analytic geometry, relations and functions, polynomial functions, simultaneous solution of linear equations.
6/20-6/23 MTR 1700-2130
6/27-7/28 MTR 0830-1430
HH 126/127 Instructor: Staff

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 # 3071
Coordinator: Boliver

MAT 697/Independent Study in Mathematics 3 cr.
A critical independent study of an aspect of mathematics, computer science or statistics of interest to the student that is explored under faculty guidance. Open only to students matriculated in the mathematics and computer science graduate programs.
Hours: TBA
Class # 3073
Coordinator: Boliver

Music

MUS 522/Choral Materials Seminar 2 cr.
Meets the teacher's need for good choral materials for each level and group. A laboratory situation. A gamut of materials is sung, heard, analyzed and evaluated. Materials are sequenced in the order needed in the typical public school year. Students develop lists of materials designed to meet the technical demands and limitations of their choral groups.
Class # 8035
6/27-7/28 MTR 1645-1845
BR 126 Instructor: Mendoza

MUS 565/Vocal Pedagogy II 2 cr.
This course is designed to provide the student with practical experience in applying the material learned in MUS 562 in classroom, choral and private instruction. Students will also explore available literature for group voice instruction.
Class # 8037
6/27-7/28 MTR 1935-2135
BR 127 Instructor: Staff

MUS 590/Principles of Education in Instrumental Music 3 cr.
Basic and advanced principles used functionally in the development of a sound program of instrumental music, including mental processes, specific concepts concerning motor movement and all essential disciplines
in sequence. These are of direct functional use where band or orchestra experiences are offered.

Class # 8039 6/27-7/28 MTR 1935-2215 BR 128
Instructor: LeBeau

MUS 673/Seminar in Advanced Interpretative Instrumental Conducting 3 cr.
Intensive advanced interpretative conducting study, including score preparation and all other study experiences necessary to the effective conductor of instrumental music.

* This Course Is Not Covered by the Guarantee.

Class # 8041 6/27-7/28 MTR 1645-1925 BR 125
Instructor: Silvester

MUS 697/Independent Study 1-3 cr.
(Open to M.A. and M.Ed. candidates)
In-depth study 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

Class #8079 MTR 1645-1925

PHY 697A Class #8079 1 cr.

PHY 697B Class #8081 2 cr.

PHY 697C Class #8083 3 cr.

Coordinator: Potter

MUS 698/Department Project in Music 6 cr.
Required of candidates who wish to present a recital, conducting performance, musical composition or innovative teaching as their final project, in addition to a research paper. The coordinator of graduate music appoints a committee to assist each candidate with the project.

Hours: TBA

Class #8043 Instructor: Potter

PHY 697/Independent Study in 1-3 cr.

Physics

PHY 697/Independent Study in 1-3 cr.
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 #8079 1 cr.

PHY 697B Class #8081 2 cr.

PHY 697C Class #8083 3 cr.

Coordinator: Hiack

PHY 698/Department Project in Science Education (Physical Science, General Science) 3 cr.
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 #8061

Instructor: Hiack

PHY 699/Thesis/Creative Project 6 cr.

in Science Education (Physical Science, General Science)
Prerequisite: permission of graduate advisor.

Original research in an area of specialization. Open only to students matriculated in the science education program whose area of concentration is physical or general science.

Hours: TBA

Instructor: Hiack

Psychology

PSY 623/Advanced Child Growth and Development 3 cr.

An examination of the concepts and principles underlying cognitive, social, emotional, language and personality development in relation 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 #8065 6/27-7/28 MTR 1045-1325

FH 410 Instructor: Ruddy
PSY 697/Independent Study 1-3 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 697A Class #3099 1 cr.
PSY 697B Class #3101 2 cr.
PSY 697C Class #3103 3 cr.
Coordinator: Sarafino

Sociology
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 #3109 1 cr.
SOC 697B Class #3111 2 cr.
SOC 697C Class #3113 3 cr.
Coordinator: Anderson
BUS 698/Department Project in Business  
**Prerequisite:** permission of program coordinator.

A critical independent study of an aspect of office systems or business or marketing education of interest to the student that is explored under faculty guidance. Open only to students matriculated in the office systems and business education programs.

Hours: TBA  
Class # 8073  
Instructor: Staff

BUS 699/Thesis/Creative Project in Business  
**Prerequisite:** permission of program coordinator.

An original research or creative study under the guidance of a thesis committee. Open only to students matriculated in the office systems and business education programs.

Hours: TBA  
Class # 8075  
Instructor: Staff

### Management

**MSM 697/Independent Study in Management**  
**Prerequisite:** permission of program coordinator.

A critical independent study of an aspect of management of interest to the student, explored under faculty guidance.

Hours: TBA  
Class # 3131  
Coordinator: Everard

**MSM 699/Theesis/Creative Project in Management**  
**Prerequisite:** permission of program coordinator.

An original research or creative study under the guidance of a thesis committee approved by the Graduate Committee. Open only to matriculated graduate students with a concentration in management.

Hours: TBA  
Class # 8077  
Instructor: Staff
Counseling and Personnel Services*

CPS 500/Workshop on Developing Student Assistance Programs 3 cr.
This workshop will stress the need for and the development of student assistance programs in our local schools. Emphasis will be placed upon the following: defining substance abuse, intervention techniques, and peer leadership and group counseling strategies.
Class #8081
6/27-6/30 and 7/5-7/8 MTWRF 0830-1530
FH 206/7 Instructor: Worthington

CPS 501/Introduction to Counseling and Personnel Services 3 cr.
Study of the applied psychology of the helping relationship through active field experiences, human relations training and exploration of field opportunities.
Class #8083
6/27-7/28 MTR 1645-1925
FH 424/425/426 Instructor: Evangelisto

CPS 525/Guidance: Elementary and Middle School 3 cr.
A review of current programs, counseling and guidance practices within the contemporary public 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 #8085
6/27-7/28 MTR 1935-2215
FH 319 Instructor: Evangelisto

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 #8087
6/6-6/24 MTR 1700-2130
BR 125 Instructor: Worthington

CPS 550/Alcoholism Counseling 3 cr.
Prerequisite: CPS 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 #8089
6/6-6/24 MTR 1700-2130
BR 126 Instructor: Fassbender

CPS 675/Group Counseling 3 cr.
Prerequisites: CPS 501, 515, 670 (CPS 675 may be taken concurrently with CPS 670 with advisement).
Study of interpersonal behavior, effective leader behavior, the dynamics of group processes and their interactional effect on member behavior. Students study and function as members of counseling groups.
Class #8091
6/6-6/24 MTR 1700-2130
FH 424 Instructor: Ramsey

CPS 697/Independent Study in Counseling and Personnel Services 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
CPS 697A Class #3157 1 cr.
CPS 697B Class #3159 2 cr.
CPS 697C Class #3161 3 cr.
Coordinator: Ramsey

CPS 698/Department Project in Counseling and Personnel Services 3 cr.
Provides opportunities for in-depth study in an area of interest to the student, and/or participation in an activity related to student personnel services.
Hours: TBA
Class #8093
6/27-7/28 Instructor: Ramsey

*All CPS courses must have signature of department chair.
Early Childhood Education

ECE 697/Independent Study in 1-3 cr.
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 #3167 1 cr.
ECE 697B Class #3169 2 cr.
ECE 697C Class #3171 3 cr.
Coordinator: Durkin

Educational Field Experiences

SEC 491/Seminar in Supervised 6 cr.
Teaching: Secondary and Special Fields—Observation and Participation
Prerequisite: approval of Graduate Coordinator.
Part I: A series of pre-session orientation meetings held during the early part of June.
Part II: A summer session consisting of pedagogy, class discussions, conferences, observation and limited participation in demonstration classes, projects and educational trips. Topics include aims and objectives of present-day educational programs, lesson and unit planning, creative teaching strategies, the public school curriculum, classroom management, measurement and evaluation of student progress. Open to graduate students enrolled in MAT programs.
Class #5315
6/13-7/20 MTWRF 0830-1300
FH 201/202 Instructor: Farber

SEC 500/Workshop in Educational 3 cr.
Field Experience: Two Centuries of Societal Change in America
This course especially designed for teachers of fourth grade and above, will focus upon three main themes: namely societal change in America, historical inquiry, and curriculum development and implementation. Participants will expand their knowledge of American history, develop strategies for using historical resources, and integrate activities based on community resources into their curriculum.
The culminating activity is implementation of a curriculum unit utilizing the facilities of the Clinton Historical Museum Village (The Old Red Mill in Clinton, NJ).

- This Course Is Not Covered by the Guarantee

Class #8101
6/27-7/28 TR 1030-1445
Red Mill, Clinton NJ Instructor: Haines

SEC 514/Curriculum Theory and Practice 3 cr.
The contemporary 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 and supervisory certificates.
Class #8103
6/27-7/28 MTR 0800-1040
FH 347 Instructor: Evangelisto

SEC 520/Staff Supervision 3 cr.
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 #8105
6/27-7/28 MTR 0800-1040
FH 348 Instructor: Wright

SEC 525/Introduction to Educational Administration 3 cr.
A comprehensive overview of the field of educational administration. An examination of the objectives, techniques and materials of educational administration 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 #8107
6/27-7/28 MTR 1045-1325
FH 347 Instructor: Wright

SEC 697/Independent Study in 1-3 cr.
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 #3177 1 cr.
SEC 697B Class #3179 2 cr.
SEC 697C Class #3181 3 cr.
Coordinator: Farber
### Educational Foundations

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 500</td>
<td>Foundations of Education</td>
<td>3 cr.</td>
<td>A synthesis of the contributions to education from the basic disciplines of history, philosophy, anthropology, religion, sociology, economics and political science. This course fulfills the requirements for multicultural education. <strong>Class #8113</strong> 6/27-7/28 MTR 1045-1325 FH 348 Instructor: Carroll</td>
</tr>
<tr>
<td>EDF 520</td>
<td>Social Problems in Education</td>
<td>3 cr.</td>
<td>Brief analysis of some modern social problems, such as crime, poverty, race conflict, and family disintegration and the role that education might assume in proposed solutions. This course fulfills the requirements for multicultural education. <strong>Class #8115</strong> 6/27-7/28 MTR 1340-1620 FH 348 Instructor: Carroll</td>
</tr>
<tr>
<td>EDF 583</td>
<td>Practicum in Urban School and Community</td>
<td>3 cr.</td>
<td>On-site experiences arranged for students in government and related institutions and agencies in the community. Covers eight-week period arranged to fit the schedule of the participating student. <strong>Class #8119</strong> Hours: TBA Instructor: Carroll</td>
</tr>
<tr>
<td>EDF 697</td>
<td>Independent Study in Educational Foundations</td>
<td>1-3 cr.</td>
<td>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 <strong>EDF 697D Class #3189</strong> 1 cr. <strong>EDF 697E Class #3191</strong> 2 cr. <strong>EDF 697F Class #3193</strong> 3 cr. Coordinator: Carroll</td>
</tr>
</tbody>
</table>

### Elementary Education

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELM 500</td>
<td>Workshop in Elementary Education: Two Centuries of Societal Change in America</td>
<td>3 cr.</td>
<td>This course especially designed for teachers of fourth grade and above, will focus upon three main themes: namely, societal change in America, historical inquiry, and curriculum development and implementation. Participants will expand their knowledge of American history, develop strategies for using historical resources, and integrate activities based on community resources into their curriculum. The culminating activity is implementation of a curriculum unit utilizing the facilities of the Clinton Historical Museum Village (The Old Red Mill in Clinton, NJ). <strong>Class #8125</strong> 6/27-7/28 TR 1030-1445 Red Mill, Clinton NJ Instructor: Haines</td>
</tr>
<tr>
<td>ELM 530</td>
<td>Exploring Children's Literature: An Educator's Perspective</td>
<td>3 cr.</td>
<td>A multidimensional and multimedia 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. Also covered: historic trends, research, and the influence of literature on the academic, social and emotional growth of the child. <strong>Class #8127</strong> 6/27-7/28 MTR 0800-1040 FH 319 Instructor: Staff</td>
</tr>
<tr>
<td>ELM 533</td>
<td>Teaching Natural/Social Science in Elementary Schools</td>
<td>3 cr.</td>
<td>Examines the purposes, scope, sequences, materials, and methodology of teaching science and social studies in elementary schools. Develops ways and means of planning, instructing and evaluating subject matter, abilities and skills. <strong>Class #8129</strong> 6/27-7/28 MTR 0800-1040 FH 256/257 Instructor: Staff</td>
</tr>
</tbody>
</table>
ELM 697/Independent Study in Elementary Education
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
Class #3205
Coordinator: Durkin

ELM 698/Department Project in Education
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 #8131
Instructor: Staff

ELM 699/Thesis/Creative Project in Education
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 #8133
Instructor: Staff

Health Education
See also: Physical Education; Safety

HED 500/Workshop in Health Education: AIDS
An in-depth study of AIDS from the basics (transmission, prevention, education, coping (psychosocial issues), to helping (volunteerism, health/social services), to caring (critical issues, research).

* This Course Is Not Covered by the Guarantee.

Class #8147
6/27-7/28
MTWR 1645-1925
FH 204
Instructor: Cochrane/Gorcynski

HED 551/Alcohol and Narcotics 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 are included.

* This Course Is Not Covered by the Guarantee.

Class #8149
6/27-7/28
MTR 1645-1925
FH 204
Instructor: Herzstein

HED 553/Drugs in Society
Study of the trends and practices of drug abuse in contemporary society, including identification and evaluation of behavior patterns of use and abuse of drugs. The drug user will be viewed from biological, medical, and psychological points of view, and the roles of professionals in these areas will be investigated.

Class #8151
6/27-7/28
MTR 1645-1925
FH 205
Instructor: Chilakos

HED 555/Seminar on Aging, Death and Dying
An exploration of all aspects of aging and death in contemporary America. Examination of roles of various professionals and current research trends. Formulation of realistic plans for living through education about death will be a primary area of focus.

Class #8152
6/27-7/28
MTR 1045-1325
FH 204
Instructor: Herzstein
### Tension Management

An in-depth study of an aspect of mind, stress, and tension management. Key concepts will be extracted from a variety of fields for discussion and formation of a personal view.

<table>
<thead>
<tr>
<th>Class #</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>8153</td>
<td>Staff</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Class #</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>8159</td>
<td>Staff</td>
</tr>
</tbody>
</table>

### PED 690/Professional Seminar

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.

<table>
<thead>
<tr>
<th>Class #</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>8161</td>
<td>Staff</td>
</tr>
</tbody>
</table>

### Physical Education

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>PED 521</td>
<td>Stress and Tension Management</td>
<td>3 cr.</td>
<td>PED 508 and graduate corequisite approved by the Faculty's approval.</td>
<td>Cooper</td>
</tr>
<tr>
<td>PED 541</td>
<td>Advanced Theory and Techniques in Golf</td>
<td>2 cr.</td>
<td></td>
<td>Oshel</td>
</tr>
<tr>
<td>PED 690</td>
<td>Professional Seminar</td>
<td>3 cr.</td>
<td></td>
<td>Rada</td>
</tr>
<tr>
<td>RDG 570</td>
<td>Corrective Techniques in Reading</td>
<td>3 cr.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RDG 697A</td>
<td>Independent Study in Reading</td>
<td>1-3 cr.</td>
<td>EDF 508 and graduate co-ordinator's approval.</td>
<td></td>
</tr>
<tr>
<td>RDG 699T</td>
<td>Thesis Creative in Reading</td>
<td>6 cr.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Reading

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDG 570</td>
<td>Corrective Techniques in Reading</td>
<td>3 cr.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RDG 697A</td>
<td>Independent Study in Reading</td>
<td>1-3 cr.</td>
<td>EDF 508 and graduate co-ordinator's approval.</td>
<td></td>
</tr>
<tr>
<td>RDG 699T</td>
<td>Thesis Creative in Reading</td>
<td>6 cr.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### RDG 570/Corrective Techniques in Reading

**Prerequisites:** an undergraduate or graduate course in the methods of teaching reading.

Deals with 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 will not be accepted for credit in the developmental reading program.

<table>
<thead>
<tr>
<th>Class #</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>8139</td>
<td>Staff</td>
</tr>
</tbody>
</table>

### RDG 697/Independent Study in Reading

**Prerequisites:** EDF 508 and graduate co-ordinator'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.

<table>
<thead>
<tr>
<th>Class #</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>8141</td>
<td>Staff</td>
</tr>
</tbody>
</table>

### RDG 699/Thesis/Creative Project in Reading

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.

<table>
<thead>
<tr>
<th>Class #</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>8143</td>
<td>Staff</td>
</tr>
</tbody>
</table>

---

**Hours:** TBA
Safety

SAF 581/Teaching Advanced First Aid and Personal Safety 3 cr.
Primarily designed to meet the needs of individuals who teach safety and emergency first aid knowledge and skills which are required for American National Red Cross instructor certification.

* This Course Is Not Covered by the Guarantee.

Class # 8163
6/13-7/1 MTWRF 1900-2150 PA 104 Instructor: Medve

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 # 8165
6/13-7/1 MTWRF 1600-1850 PA 104/Prkg. Lot 8 Instructor: Medve

SAF 587/Traffic Safety Workshop 2 cr.
(Emergency Evasive)
Investigation and application of current information on theory, techniques of teaching, and administrative procedures related to specific traffic safety problems. Programs on motorcycle education, emergency maneuvers, handicapped drivers, pedestrian safety, bicycle safety and public transportation. HPE 697/Independent Study for 1 s.h. is recommended to accompany this course.

* This Course Is Not Covered by the Guarantee.

Class # 8167
6/6-6/11 MTWRF 1800-2200 S 1000-1600 PA 104/Prkg. Lot 8 Instructor: Medve

Emphasis is placed on lesson and unit planning, assessing pupil’s needs and progress, and developing and IEP. Open to graduate students enrolled in MAT programs.
Class # 5371
6/27-7/28 MTWRF Hours: TBA Instructor: McRae

SED 501/Learning and Behavior Problems of Handicapped Children 3 cr.
Prerequisite: child psychology
An introduction to the field of special education, 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/state laws which affect services for the handicapped. (Note: This course is a prerequisite for all 500- and 600-level courses except for students in Track I.)

Class # 8175
6/27-7/28 MTR 0800-1040 FH 226 Instructor: Swanby

SED 627/Perceptual-Motor Characteristics of the Handicapped 3 cr.
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 # 8177
6/27-7/28 MTR 0800-1040 FH 222 Instructor: Weisberg

SED 650/Externship in Learning Disabilities Teacher Consultation
A period of full-time teacher consultation in a public school as a part of a child study team under the supervision of an approved learning disabilities teacher/consultant and a faculty member of the college. Minimum clock hours (at 30 hours per week) for this course are 450. A student may enroll in this course while he 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.

Special Education

SED 491/Seminar in Supervised Teaching: Observation and Participation 6 cr.
Part I: A series of pre-session orientation meetings held during the latter part of the spring semester.
Part II: A summer session consisting of limited participation in field experiences.

Prerequisites: SED 501 and EDF 508.
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), and children with behavioral 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 # 8181
6/27-7/28 MTR 1340-1620
FH 349 Instructor: Swanby

SED 693/Practicum/Seminar
Preschool Handicapped
Children 6 cr.

Prerequisites: completion of the 24 s.h. of courses or approved alternates in the program for preschool handicapped and permission of the advisor.
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 300 clock hours is required.

Class # 8183
6/27-7/28 MTWRF
Hours: TBA Instructor: Weisberg

SED 696/Practicum—Observation and Participation 6 cr.

Prerequisites: SED 501, 514, 605, 625, 643
An observation and participation program for Track II and post master's 24 s.h. approved certification graduate students. Enables students to observe and participate in programs and teaching strategies relating to special education curricula in a number of settings, examine techniques of evaluation and management outcomes, and explore resources and facilities available to meet special education needs. A fee may be required.

Class # 8185
6/27-7/28 MTWRF 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.

Class # 8187
6/27-7/28 TBA
Instructor: McRae

SED 699/Theesis in
Special Education 6 cr.

An original research or creative study under the guidance of a thesis committee approved by the Graduate Committee. Students are expected to purchase any necessary testing and/or curriculum materials needed for the proper completion of the course. Open only to students matriculated in the special education program.

Class # 8187
6/27-7/28 TBA
Instructor: McRae

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 # 8193
6/27-7/28 MTR 1045-1325
FH 155 Instructor: Jenson
SPP 542/Alternative Communication Systems 3 cr.
Prerequisites: undergraduate degree in speech pathology or equivalent or permission of the instructor and a course in childhood or adult language disorders.
An intensive study of feeding techniques, alternative symbol systems, gestural assisted nonelectronic and electronic devices and their application to the rehabilitation of communication handicapped individuals.
Class #8195
6/27-7/28 MTR 1340-1620
FH 155 Instructor: Jensen

SPP 590A/Clinical Practice 3 cr.
(Audiology)
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 #8197
Hours: TBA Instructor: Staff

SPP 590B/Clinical Practice 3 cr.
(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 #8199
Instructor: Hornyak

SPP 697/Independent Investigation 1-3 cr.
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 #3239 1 cr.
SPP 697B Class #3241 2 cr.
SPP 697C Class #3243 3 cr.
Coordinator: Jensen

SPP 698/Department Project in Speech 3 cr.
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 #8201
Hours: TBA
6/27-7/28
FH 168 Instructor: Jensen

SPP 699/Thesis/Creative Project in Speech 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 speech correction or speech pathology programs.
Hours: TBA
Class #8203
6/27-7/28
FH 168 Instructor: Jensen
IED 581/Industrial Education 3 cr.
Workshop
Advanced course dealing with topics in industrial education.

Topic: Computer Aided Drafting
Class # 8209
6/20-7/7 MTWR 1700-2040
AR 6 Instructor: Hess

IED 581/Industrial Education 3 cr.
Workshop
Advanced course dealing with topics in industrial education.

Topic: Advanced Computer Aided Drafting
Class # 8211
7/11-7/29 MTWR 1700-2040
AR 6 Instructor: Hess

IED 581/Industrial Education 1-3 cr.
Workshop
A series of workshops designed to bring vocational teachers up to date with industry and technology.

Topic: Industry Update
Class # 8213
Hours: TBA
6/20-7/28 AR 73 Instructor: Alexander

IED 697/Independent Study in 1-3 cr.
Industrial Education
In-depth exploration of a topic within a specific area of the discipline involving supervised reading, research and regular conferences with the faculty advisor.
Hours: TBA
IED 697A Class # 3255 1cr.
IED 697B Class # 3257 2cr.
IED 697C Class # 3259 3cr.

IED 698/Department Project in 3 cr.
Industrial Education
A critical independent study of an aspect of industrial education of interest to the student that is explored under faculty guidance. Open only to students matriculated in the industrial education program.
Hours: TBA
Class # 8217
6/20-7/29 Instructor: Karsnitz

IED 597/Advanced Topics in 2 cr.
Industrial Education
Topic: Aerospace Technology
Prerequisite: Registration is through Dr. Robert Weber only.
The Department of Technology Education, in cooperation with NASA and the Center for Technology Education at Trenton State College, will offer this special aerospace education workshop. Topics include air and space transportation vehicles, the technology needed for living in space, planetology, and appropriate aerospace activities for use in the middle and junior high school curriculum.
Because of limited enrollment participants will be selected on a competitive basis to attend this workshop which offers two graduate credits. Tuition is free; however, a fee of $88.00 will be assessed to cover course costs and supplies.
7/18-7/29 MTWR 0900-1600

For information or application, write to:
Trenton State College
Center for Technology Education, AR 21
Hillwood Lakes CN 4700
Trenton, NJ 08650-4700
Attention: Ms. Robyn Moonan
Telephone: 609-771-2784

* This Course Is Not Covered by the Guarantee.
ACADEMIC REGULATIONS

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 1988

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, 1988. 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 158
• 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.

Transcript of summer course work will be available after October 7.

No fee is charged.

CREDIT LOAD

Normally graduate students are limited to six semester hours of summer study and undergraduate students are limited to nine semester hours of summer study.

Any exception to these requirements may be made only upon approval by a departmental advisor or the Director of Summer Session.

REPETITION OF COURSES

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.
GRADEs

Grade reports are issued twice for summer session courses. For courses ending July 28, grades are issued by September 6. For co-op, summer independent course work, special programs, and courses ending after July 28, grades are issued by September 26.

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

The final grades are reported in letter symbols:

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

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

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

To convert the “Incomplete” grade to an acceptable letter grade, the student must fulfill course requirements not later than the date stipulated by the instructor, or the grade automatically becomes an “F.” The P/U option is not available to summer session students.
HEALTH SERVICES

The Student Health Center is located on the first floor of Norsworthy Hall (see map, p. 75), 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 AND DINING SERVICE

Living on Campus

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 6, 1988.
   b. Residence halls will be open on June 19, 1988, at 4 p.m. and close on July 28, 1988.
5. Housing and Dining Service Rates
   For 6 weeks of summer session
   - 19 meal plan $678.00
   - 14 meal plan $660.00
   - 10 meal plan $648.00

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 @$52.00/wk ............................ $312.00/session
   - Any 14 meals per week @$49.00/wk ........................... $294.00/session
   - Any 10 meals per week @$47.00/wk ........................... $282.00/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 .................................................. $2.20
   - Lunch ..................................................... $3.40
   - Dinner ..................................................... $4.70
   - Brunch .................................................... $3.40
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

Services of the College Store are available to summer session students. The College Store is located in the Student Center and offers text and trade books, supplies, and clothing. Telephone (609) 771-8267.

Summer business hours are:
Monday-Thursday 8:30 a.m.-4:30 p.m.; Friday 8:30 a.m.-12:30 p.m.
Monday, June 6, June 20, June 27 8:30 a.m.-8:00 p.m.

LIBRARY HOURS

During the 1988 Summer Session (June 20 through July 28) the library will be open during the following hours:
Monday through Thursday 7:45 a.m.-10:30 p.m.
Friday 8:30 a.m.-6:00 p.m. Closed
Saturday Closed
Sunday Closed
July 4 Closed

During the pre-session (June 6-June 17) and between July 31 and September 1, the library will be open Monday through Friday, 8:30 a.m.-4:30 p.m.

RECREATION SERVICES

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 SCHEDULE

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

BUILDING DESIGNATION CODE

<table>
<thead>
<tr>
<th>Building</th>
<th>Building Code</th>
<th>Building Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Armstrong Hall</td>
<td>AR</td>
<td>2</td>
</tr>
<tr>
<td>Bliss Hall</td>
<td>BL</td>
<td>4</td>
</tr>
<tr>
<td>Bray Hall</td>
<td>BR</td>
<td>5</td>
</tr>
<tr>
<td>Crowell Hall</td>
<td>CH</td>
<td>34</td>
</tr>
<tr>
<td>Forcina Hall</td>
<td>FH</td>
<td>43</td>
</tr>
<tr>
<td>Green Hall</td>
<td>GR</td>
<td>16</td>
</tr>
<tr>
<td>Holman Hall</td>
<td>HH</td>
<td>20</td>
</tr>
<tr>
<td>Kendall Hall</td>
<td>KE</td>
<td>21</td>
</tr>
<tr>
<td>Library</td>
<td>WL</td>
<td>36</td>
</tr>
<tr>
<td>Nursing Building</td>
<td>NU</td>
<td>37</td>
</tr>
<tr>
<td>Packer Hall</td>
<td>PA</td>
<td>28</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:

<table>
<thead>
<tr>
<th>Time</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>0800</td>
<td>8 a.m.</td>
</tr>
<tr>
<td>0900</td>
<td>9 a.m.</td>
</tr>
<tr>
<td>1000</td>
<td>10 a.m.</td>
</tr>
<tr>
<td>1100</td>
<td>11 a.m.</td>
</tr>
<tr>
<td>1200</td>
<td>12 NOON</td>
</tr>
<tr>
<td>1300</td>
<td>1 p.m.</td>
</tr>
<tr>
<td>1400</td>
<td>2 p.m.</td>
</tr>
<tr>
<td>1500</td>
<td>3 p.m.</td>
</tr>
<tr>
<td>1600</td>
<td>4 p.m.</td>
</tr>
<tr>
<td>1700</td>
<td>5 p.m.</td>
</tr>
<tr>
<td>1800</td>
<td>6 p.m.</td>
</tr>
<tr>
<td>1900</td>
<td>7 p.m.</td>
</tr>
<tr>
<td>2000</td>
<td>8 p.m.</td>
</tr>
<tr>
<td>2100</td>
<td>9 p.m.</td>
</tr>
<tr>
<td>2200</td>
<td>10 p.m.</td>
</tr>
</tbody>
</table>

M = Monday  T = Tuesday
W = Wednesday R = Thursday
F = Friday   S = Saturday
TBA = To Be Arranged
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Days</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 200</td>
<td>Introduction to Microcomputer Operating System</td>
<td>MTWF</td>
<td>6/6-6/10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0900-1200</td>
</tr>
<tr>
<td>BUS 203</td>
<td>Introduction to Spreadsheets</td>
<td>MTWF</td>
<td>6/6-6/10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1300-1600</td>
</tr>
<tr>
<td>CRJ 215</td>
<td>Juvenile Delinquency</td>
<td>MTWF</td>
<td>0830-1230</td>
</tr>
<tr>
<td>ENG 120</td>
<td>Experiencing Literature</td>
<td>MTWF</td>
<td>0800-1200</td>
</tr>
<tr>
<td>GGR 111</td>
<td>Introduction to Physical Geography</td>
<td>MTWF</td>
<td>1000-1500</td>
</tr>
<tr>
<td>HED 150</td>
<td>Contemporary Health Problems</td>
<td>MTWF</td>
<td>1700-1930</td>
</tr>
<tr>
<td>HED 356</td>
<td>Foundations of Sex Education</td>
<td>MTWF</td>
<td>0800-1200</td>
</tr>
<tr>
<td>MUS 271</td>
<td>Aural Perception I</td>
<td>MTWF</td>
<td>0800-0915</td>
</tr>
<tr>
<td>MUS 272</td>
<td>Aural Perception II</td>
<td>MTWF</td>
<td>0800-0915</td>
</tr>
<tr>
<td>MUS 371</td>
<td>Aural Perception III</td>
<td>MTWF</td>
<td>0800-0915</td>
</tr>
<tr>
<td>PED 131</td>
<td>Golf</td>
<td>MTWF</td>
<td>1530-1800</td>
</tr>
<tr>
<td>PED 201</td>
<td>Aquatics I</td>
<td>MTWF</td>
<td>1930-2200</td>
</tr>
<tr>
<td>PED 212</td>
<td>Tennis</td>
<td>MTWF</td>
<td>0800-0920</td>
</tr>
<tr>
<td>PED 541</td>
<td>Advanced Theory and Techniques in Golf</td>
<td>MTWF</td>
<td>1530-1830</td>
</tr>
<tr>
<td>PSY 333</td>
<td>Mental Health</td>
<td>MTWF</td>
<td>0930-1630</td>
</tr>
<tr>
<td>SAF 204</td>
<td>Emergency Care</td>
<td>MTWF</td>
<td>0900-1300</td>
</tr>
<tr>
<td>SAF 587</td>
<td>Traffic Safety Workshop</td>
<td>MTWF</td>
<td>1800-2200</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>S</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1000-1600</td>
</tr>
<tr>
<td>SOC 325</td>
<td>Topics in Sociology</td>
<td>MTWF</td>
<td>0930-1530</td>
</tr>
</tbody>
</table>

**Withdrawal Dates**

- 50%—6/8
- Final—6/9

**Course Descriptions**

- **BUS 200 Introduction to Microcomputer Operating System**
- **BUS 203 Introduction to Spreadsheets**
- **CRJ 215 Juvenile Delinquency**
- **ENG 120 Experiencing Literature**
- **GGR 111 Introduction to Physical Geography**
- **HED 150 Contemporary Health Problems**
- **HED 356 Foundations of Sex Education**
- **MUS 271 Aural Perception I**
- **MUS 272 Aural Perception II**
- **MUS 371 Aural Perception III**
- **PED 131 Golf**
- **PED 201 Aquatics I**
- **PED 212 Tennis**
- **PED 541 Advanced Theory and Techniques in Golf**
- **PSY 333 Mental Health**
- **SAF 204 Emergency Care**
- **SAF 587 Traffic Safety Workshop**
- **SOC 325 Topics in Sociology**
6 WEEK, 3 DAY  

Withdrawal Dates  
50%—6/28  
Final—6/30  

0800-1015  
REL 151 Comparative Religion  
MTR  

1030-1245  
PHI 101 Introduction to Philosophy  
MTR  
SOC 101 Introductory Sociology  
MTR  

1300-1515  
PHI 120 Introduction to Logic  
MTR  

1700-1915  
AAS 105 African-American History before 1865  
MTR  
SOC 315 Minority Group Relations  
MTR  
VOC 391 Foundations of Vocational Education  
MTR  

1930-2145  
VOC 393 Managing Learning in Vocational Education  
MTR
<table>
<thead>
<tr>
<th>Time</th>
<th>Course</th>
<th>Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>0830-1010</td>
<td>MAT 101 Foundations of Mathematics I</td>
<td>MTWR</td>
</tr>
<tr>
<td></td>
<td>MAT 115 Statistics I</td>
<td>MTWR</td>
</tr>
<tr>
<td>1025-1205</td>
<td>CSC 108 Elements of Computing</td>
<td>MTWR</td>
</tr>
<tr>
<td></td>
<td>MAT 104 Mathematics in the Liberal Arts</td>
<td>MTWR</td>
</tr>
<tr>
<td></td>
<td>MAT 227 Calculus I</td>
<td>MTWR</td>
</tr>
<tr>
<td>1250-1430</td>
<td>CSC 215 Introduction to Computer Science</td>
<td>MTWR</td>
</tr>
<tr>
<td></td>
<td>PSY 203 Statistics in Behavioral Science</td>
<td>MTWR</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Course</th>
<th>Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>1715-1855</td>
<td>CSC 108 Elements of Computing</td>
<td>MTWR</td>
</tr>
<tr>
<td></td>
<td>MAT 099 Intermediate Algebra</td>
<td>MTWR</td>
</tr>
<tr>
<td></td>
<td>MAT 101 Foundations of Mathematics I</td>
<td>MTWR</td>
</tr>
<tr>
<td></td>
<td>MAT 115 Statistics I</td>
<td>MTWR</td>
</tr>
<tr>
<td></td>
<td>MAT 120 Elementary Mathematical Analysis</td>
<td>MTWR</td>
</tr>
<tr>
<td></td>
<td>PSY 102 Introduction to Psychology II</td>
<td>MTWR</td>
</tr>
<tr>
<td>1915-2055</td>
<td>CSC 215 Introduction to Computer Science</td>
<td>MTWR</td>
</tr>
<tr>
<td></td>
<td>MAT 115 Statistics I</td>
<td>MTWR</td>
</tr>
<tr>
<td></td>
<td>MAT 227 Calculus I</td>
<td>MTWR</td>
</tr>
<tr>
<td></td>
<td>MAT 228 Calculus II</td>
<td>MTWR</td>
</tr>
</tbody>
</table>

Withdrawal Dates
- 50%—6/28
- Final—6/30

6 WEEK, 4 DAY
6/20-7/28
Withdrawal Dates
50% — 7/1
Final — 7/5

0800-1040
BUS 560 Curriculum Design and Development
ENG 246 The Film
ENG 612 Shakespeare
ELM 530 Exploring Children's Literature
ELM 533 Teaching Natural/Social Science in Elementary School
HED 358 Perspectives on Aging, Death and Dying
HIS 115 Introduction to U.S. History: Early
PSY 313 Learning, Memory, and Motivation
PED 351 Stress Management
PED 521 Stress and Tension Management
RDG 324 Reading/Language Arts in Elementary Education
RDG 328 Teaching Reading in the Middle and Sr. High School
SEC 514 Curriculum Theory and Practice
SEC 520 Staff Supervision
SED 501 Learning and Behavior Problems of Handicapped Children
SED 627 Perceptual-Motor Characteristics of Handicapped

1045-1325
EDF 500 Foundations of Education
ENG 109 Composition II
ENG 222 Short Story
ENG 502 Research Methods in Language and Literature
GOL 398 Selected Topics in Geology
GOL 597 Advanced Topics in Geology
HED 555 Seminar on Aging, Death and Dying
PSY 224 Adolescent Psychology
PSY 623 Advanced Child Growth and Development
RDG 422 Diagnosis of Reading Difficulties
RDG 570 Creative Techniques in Reading
SEC 525 Introduction to Educational Administration
SPP 518 Childhood Aphasia

1340-1620
EDF 520 Social Problems in Education
EDF 570 School Law: Legal Status of Teacher and Pupil
GOL 120 Introduction to Geology
5 WEEK, 3 DAY

HIS 101 Western Civilization to 1648
MTR

MUS 150 Survey of Music Literature
MTR

MUS 160 Music Fundamentals
MTR

PSY 316 Psychology of Personality
MTR

SED 664 Research Trends in Education of Developmentally Handicapped
MTR

SPP 542 Alternative Communication Systems
MTR

1645-1925

BNF 505 Foundations of Computer Information Systems
MTR

CPS 501 Introduction to Counseling and Personnel Services
MTR

HED 453 Alcohol and Narcotics Workshop
MTR

HED 551 Alcohol and Narcotics Education
MTR

HED 553 Drugs in Society
MTR

HIS 102 Western Civilization from 1648
MTR

MGT 310 Management of Organization Behavior
MTR

MGT 445 Managing Social Impact of Business
MTR

MUS 522 Choral Materials Seminar
MTR

MUS 673 Seminar in Advance Interpretative Instrumental Conducting
MTR

POL 110 American National Government
MTR

1935-2215

AST 161 Descriptive Astronomy
MTR

BUS 511 Organizational Communication for Business
MTR

CPS 525 Guidance: Elementary and Middle School
MTR

MUS 565 Vocal Pedagogy II
MTR

MUS 590 Principles of Education in Instrumental Music
MTR
Withdrawal Dates
50%—7/1
Final—7/6

0800-1000
ART 101 Foundations of Art
MTWR
PSY 101 Introduction to Psychology I
MTWR

1030-1230
ART 101 Foundations of Art
MTWR
ENG 345 Studies in Literature
MTWR

PSY 222 Child Psychology
MTWR
PSY 331 Introduction to Abnormal Psychology
MTWR

1245-1445
ART 105 Introduction to Art History
MTWR

1700-1900
ART 201 Printmaking
MTWR
ART 302 Advanced Printmaking
MTWR
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Days</th>
<th>Time</th>
<th>Dates</th>
<th>Percentage</th>
<th>Final Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 181</td>
<td>Principles of Biology I</td>
<td>MTWR</td>
<td>1730-2050</td>
<td>6/13-7/7</td>
<td>50%</td>
<td>6/21</td>
</tr>
<tr>
<td>BIO 182</td>
<td>Principles of Biology II</td>
<td>MTWR</td>
<td>1730-2050</td>
<td>7/11-8/4</td>
<td>50%</td>
<td>7/19</td>
</tr>
<tr>
<td>BIO 183</td>
<td>General Biology I</td>
<td>MTWR</td>
<td>0815-1300</td>
<td>6/13-7/7</td>
<td>50%</td>
<td>6/21</td>
</tr>
<tr>
<td>BIO 184</td>
<td>General Biology II</td>
<td>MTWR</td>
<td>0815-1300</td>
<td>7/11-8/4</td>
<td>50%</td>
<td>7/19</td>
</tr>
<tr>
<td>BIO 461</td>
<td>Coastal Plain Ecology</td>
<td></td>
<td>1900-2300</td>
<td>7/25</td>
<td>50%</td>
<td>7/29</td>
</tr>
<tr>
<td>CHM 201</td>
<td>General Chemistry I</td>
<td>MTWR</td>
<td>0800-1300</td>
<td>6/13-7/7</td>
<td>50%</td>
<td>6/21</td>
</tr>
<tr>
<td>CHM 202</td>
<td>General Chemistry II</td>
<td>MTWR</td>
<td>0800-1300</td>
<td>7/11-8/4</td>
<td>50%</td>
<td>7/19</td>
</tr>
<tr>
<td>CHM 350</td>
<td>Fundamentals of Biochemistry</td>
<td>MTWR</td>
<td>1700-2100</td>
<td>5/30-6/10</td>
<td>50%</td>
<td>6/2</td>
</tr>
<tr>
<td>CHM 351</td>
<td>Organic Chemistry I</td>
<td>MTWR</td>
<td>0930-1320</td>
<td>6/6-7/8</td>
<td>50%</td>
<td>6/15</td>
</tr>
<tr>
<td>CHM 352</td>
<td>Organic Chemistry II</td>
<td>MTWR</td>
<td>0930-1320</td>
<td>7/11-8/12</td>
<td>50%</td>
<td>7/21</td>
</tr>
<tr>
<td>CTH 100</td>
<td>Speech I: Public Speaking</td>
<td>MTR</td>
<td>1045-1325</td>
<td>6/27-7/28</td>
<td>50%</td>
<td>7/5</td>
</tr>
<tr>
<td>CTH 212</td>
<td>Television Production I</td>
<td>MTWR</td>
<td>0800-1200</td>
<td>6/6-7/1</td>
<td>50%</td>
<td>6/14</td>
</tr>
<tr>
<td>CTH 212</td>
<td>Television Production I</td>
<td>MTWR</td>
<td>1300-1700</td>
<td>6/6-7/1</td>
<td>50%</td>
<td>6/14</td>
</tr>
<tr>
<td>MAT 229</td>
<td>Calculus II</td>
<td>MTWR</td>
<td>0830-1200</td>
<td>8/1-8/25</td>
<td>50%</td>
<td>8/9</td>
</tr>
<tr>
<td>PHY 201</td>
<td>General Physics I</td>
<td>MTWR</td>
<td>0800-1210</td>
<td>6/6-7/1</td>
<td>50%</td>
<td>6/13</td>
</tr>
<tr>
<td>PHY 202</td>
<td>General Physics II</td>
<td>MTWR</td>
<td>1700-2110</td>
<td>6/6-7/1</td>
<td>50%</td>
<td>6/13</td>
</tr>
<tr>
<td>PHY 202</td>
<td>General Physics II</td>
<td>MTWR</td>
<td>0800-1210</td>
<td>7/5-7/28</td>
<td>50%</td>
<td>7/12</td>
</tr>
<tr>
<td>SPA 101</td>
<td>Spanish I</td>
<td>MTWR</td>
<td>1715-2100</td>
<td>6/6-6/23</td>
<td>50%</td>
<td>6/9</td>
</tr>
<tr>
<td>SPA 102</td>
<td>Spanish II</td>
<td>MTWR</td>
<td>1715-2100</td>
<td>6/27-7/14</td>
<td>50%</td>
<td>6/30</td>
</tr>
</tbody>
</table>
SPECIAL SCHEDULING
SCHOOL OF BUSINESS

ACC 260  Accounting Principles I
MTWR
0800-1030  6/6-7/1
50% WD: 6/9-Final WD: 6/13

ACC 261  Accounting Principles II
MTWR
0800-1030  7/5-7/28
50% WD: 7/11-Final WD: 7/12

BUS 200  Introduction to Microcomputer Operating System
MTWRF
1300-1600  6/13-6/17
50% WD: 6/14-Final WD: 6/15

BUS 201  Introduction to Word Processing
MTWRF
0900-1200  6/13-6/17
50% WD: 6/14-Final WD: 6/15

BUS 203  Introduction to Spreadsheets
MTWRF
0900-1200  6/20-6/24
50% WD: 6/21-Final WD: 6/22

BUS 204  Introduction to Micro Database System
MTWRF
1300-1600  6/20-6/24
50% WD: 6/21-Final WD: 6/22

ECO 201  Principles of Economics: Macro
MTWR
0930-1200  7/1-7/28
50% WD: 7/7-Final WD: 7/12

ECO 202  Principles of Economics: Micro
MTWR
1040-1310  6/6-6/30
50% WD: 6/9-Final WD: 6/14

ECO 230  Business and Economic Statistics
MTWR
0800-1030  6/6-6/30
50% WD: 6/9-Final WD: 6/14

ECO 231  Applied Economics and Business Statistics
MTWR
0800-1030  7/1-7/28
50% WD: 7/7-Final WD: 7/12

MKT 340  Marketing Principles
MTWRF
1400-1640  6/6-6/24
50% WD: 6/9-Final WD: 6/10

*Classes scheduled to meet on Monday, July 4 will meet on Friday, July 1.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Days</th>
<th>Start Time - End Time</th>
<th>Dates</th>
<th>50% WD - Final WD</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPS 500</td>
<td>Workshop on Developing Student Assistance Program</td>
<td>MTWRF</td>
<td>0830-1530</td>
<td>6/27-6/30</td>
<td>7/5-7/8</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50% WD: 6/29-Final WD: 6/30</td>
</tr>
<tr>
<td>CPS 540</td>
<td>Family Counseling</td>
<td>MTR</td>
<td>1700-2130</td>
<td>6/6-6/24</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50% WD: 6/7-Final WD: 6/9</td>
</tr>
<tr>
<td>CPS 550</td>
<td>Alcoholism Counseling</td>
<td>MTR</td>
<td>1700-2130</td>
<td>6/6-6/24</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50% WD: 6/7-Final WD: 6/9</td>
</tr>
<tr>
<td>CPS 675</td>
<td>Group Counseling</td>
<td>MTR</td>
<td>1700-2130</td>
<td>6/6-6/24</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50% WD: 6/7-Final WD: 6/9</td>
</tr>
<tr>
<td>HED 497</td>
<td>Workshop in Health Education: AIDS</td>
<td>MTWR</td>
<td>1800-2100</td>
<td>6/2-6/23</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50% WD: 6/7-Final WD: 6/9</td>
</tr>
<tr>
<td>HED 500</td>
<td>Workshop in Health Education: AIDS</td>
<td>MTWR</td>
<td>1800-2100</td>
<td>6/2-6/23</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50% WD: 6/7-Final WD: 6/9</td>
</tr>
<tr>
<td>PED 204</td>
<td>Human Anatomy and Physiology</td>
<td>MTWR</td>
<td>0800-1200</td>
<td>6/20-7/8</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50% WD: 6/22-Final WD: 6/23</td>
</tr>
<tr>
<td>PED 203</td>
<td>Human Anatomy and Physiology</td>
<td>MTWR</td>
<td>0800-1200</td>
<td>6/20-7/8</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50% WD: 6/22-Final WD: 6/23</td>
</tr>
<tr>
<td>PED 204</td>
<td>Human Anatomy and Physiology</td>
<td>MTWR</td>
<td>0800-1200</td>
<td>7/11-7/28</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50% WD: 7/13-Final WD: 7/14</td>
</tr>
<tr>
<td>SAF 335</td>
<td>Driver Education</td>
<td>MTWR</td>
<td>1600-1850</td>
<td>6/13-7/1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50% WD: 6/16-Final WD: 6/17</td>
</tr>
<tr>
<td>SAF 581</td>
<td>Teaching Advanced First Aid</td>
<td>MTWR</td>
<td>1900-2150</td>
<td>6/13-7/1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50% WD: 6/16-Final WD: 6/17</td>
</tr>
<tr>
<td>SAF 582</td>
<td>Driver Education Teacher Certification</td>
<td>MTWR</td>
<td>1600-1850</td>
<td>6/13-7/1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50% WD: 6/16-Final WD: 6/17</td>
</tr>
<tr>
<td>SEC 491</td>
<td>Seminar in Supervised Teaching</td>
<td>MTWR</td>
<td>0830-1300</td>
<td>6/13-7/20</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50% WD: 6/21-Final WD: 6/23</td>
</tr>
<tr>
<td>SED 491</td>
<td>Seminar in Supervised Teaching</td>
<td>MTWR</td>
<td>Hours: TBA</td>
<td>6/27-7/28</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50% WD: 7/1-Final WD: 7/6</td>
</tr>
</tbody>
</table>
NUR 404  Elements of the Research Process
MWF
1700-2000  5/31-6/17
(Begins T, 5/31)
50% WD: 6/6-Final WD: 6/10
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Days</th>
<th>Time</th>
<th>Start Date</th>
<th>End Date</th>
<th>WD Percentage</th>
<th>Final WD</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELE 090</td>
<td>Electronics/Physics Review</td>
<td>MTWFS</td>
<td>0830-1600</td>
<td>7/22-8/13</td>
<td></td>
<td>50% WD: 7/27</td>
<td>Final WD: 7/29</td>
</tr>
<tr>
<td>ELE 492</td>
<td>Senior Project I</td>
<td>T</td>
<td>1915-2115</td>
<td>6/7-8/26</td>
<td></td>
<td>50% WD: 6/21</td>
<td>Final WD: 6/28</td>
</tr>
<tr>
<td>IED 581</td>
<td>Advanced Computer Aided Drafting</td>
<td>MTWR</td>
<td>1700-2040</td>
<td>7/11-7/29</td>
<td></td>
<td>50% WD: 7/13</td>
<td>Final WD: 7/14</td>
</tr>
<tr>
<td>INE 466</td>
<td>Industrial Education Workshop:</td>
<td>MTWR</td>
<td>1700-2040</td>
<td>7/11-7/29</td>
<td></td>
<td>50% WD: 7/13</td>
<td>Final WD: 7/14</td>
</tr>
</tbody>
</table>
Map of the TSC Area

ROUTES TO THE CAMPUS

Railroad
Trenton is on the main service line of AMTRAK. The railroad station is in the city, five miles from the campus. The NJ Transit-Mercer "G-Trenton State College" bus goes from the station directly to the campus.

Plane
The Mercer County Airport is located within two miles of the campus. It serves airlines offering daily flights between Trenton and Washington, D.C., Philadelphia and Chicago. 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 North Jersey using the New Jersey Turnpike should exit at New Brunswick (Exit 9). Take Route 18N to Route 1; then follow Route 1 South. Leave Route 1 at I-295 to 95 and travel south (toward Pennsylvania). *Take Exit 4, Pennington Road South. Continue on Pennington Road (Route 31) south through the traffic light (at Ewingville Road intersection) to the college. The college is on the left about .4 miles from the light.

From Pennsylvania:
Follow I-95 North and cross the Scudder Falls Bridge to Route 31 (Pennington Road) Exit 4A. Follow from * above.

From Asbury Park-Freehold area:
Take Route 33 West to Hightstown. Continue to light at Stockton St. (Route 571W). Turn right (toward Princeton) and proceed to Penns Neck. Turn left onto Route 1 South; leave Route 1 at I-295 to 95 travel south (toward Pennsylvania). Follow from * above.

From Northwest New Jersey:
Follow Route 202 until it intersects Route 31 at Flemington. Continue along Route 31 (Pennington Road) until you reach the college. This is about .4 mile past the traffic light at Ewingville.

From South Jersey:
Heading north on Route 206, take I-295 North (toward Princeton/Pennsylvania). Follow from * above.