

Office of Continuing Professional Education Cook College  
 Rutgers, The State University of New Jersey  
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**Registration Form**

(Please type or print information clearly to ensure we can send you confirmation of your registration)

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COURSE	CODE	DATE	FEE

**METHOD OF PAYMENT**

Check, money order, or purchase order enclosed for \$ \_\_\_\_\_  
 (Payable to Rutgers, the State University of New Jersey)  
 Charge to my: \_\_\_\_\_ Visa \_\_\_\_\_ MasterCard \_\_\_\_\_ American Express  
 Card Number \_\_\_\_\_ Expiration \_\_\_\_\_  
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# Professional Training for Coastal Decision-Makers

Jacques Cousteau National Estuarine Reserve (JCNERR)  
 Rutgers University Institute of Marine and Coastal Sciences  
 Cook College Office of Continuing Professional Education



- Coastal and Wetlands Regulations
- Grants and Funding
- Geographic Information Systems (GIS)
- Wastewater Disposal
- Wetlands Introduction
- Wildlife Management

**Spring 2005**



Dear Coastal Decision-Maker:

I would like to extend an invitation for you or a member of your organization to attend Rutgers University co-sponsored environmental technical and regulatory training courses at a reduced rate. Our goal is to provide training for coastal decision-makers such as yourself that is useful in your natural resource planning and decisions-making.

The Jacques Cousteau National Estuarine Reserve (JCNERR) and the Rutgers University Institute of Marine and Coastal Sciences supports the informed management of coastal resources by providing research, monitoring environmental quality, and educating both K-12 teachers and the public within the Mullica River-Great Bay watershed. Please contact us to discover how we can assist you.

If you would like additional information or would like to register for these courses, please contact the Cook College Office of Continuing Professional Education at 732-932-9271 or [ocpe@aesop.rutgers.edu](mailto:ocpe@aesop.rutgers.edu). All courses are listed online at [www.cookce.rutgers.edu](http://www.cookce.rutgers.edu).

**Seating for these courses is limited, so please take advantage of this offer immediately.** I look forward to greeting you at the courses!

Lisa M. Weiss, Watershed Coordinator  
Jacques Cousteau National Estuarine Research Reserve  
Coastal Education Center  
130 Great Bay Blvd. · Tuckerton, NJ 08087-2004  
PHONE: 609/812-0649 · FAX: 609/294-8597  
WEB SITE: [www.jcnerr.org](http://www.jcnerr.org)

**Phone:** (732) 932-9271, Monday through Friday, 8:00 a.m. - 4:30 p.m. Please have your Visa, Master Card or American Express number ready.

**FAX:** (732) 932-8726, 24 hours. Please include credit card information or a copy of your check, money order or purchase order with FAX registrations.

**Mail:** Registration Desk, Continuing Professional Education, Cook College, Rutgers, the State University of New Jersey, 102 Ryders Lane, New Brunswick, NJ 08901-8519.4 Please make checks payable to: **Rutgers, the State University**.

**On the Web:** [www.cookce.rutgers.edu](http://www.cookce.rutgers.edu)

### **Payment Policy**

All students must have prearranged for payment to be admitted to the class (purchase order, check, Visa, Master Card, American Express or money order.) You may withdraw from this course with a full refund less a \$35 (per course registered for) processing fee, provided the Cook College Office of Continuing Professional Education is notified at least three (3) full working days prior to the start of the course. Beyond that time, registrants may be responsible for the full registration fee. Substitutions are welcomed.

### **Inclement Weather**

Although it is not our policy to cancel a program unless severe weather conditions exist, if inclement weather occurs please call (732) 932-9271 after 6 a.m. on the date of the program. It is your responsibility to learn if the class is cancelled or postponed due to weather. Class cancellations will NOT be announced on the radio. Substitutions are permitted.



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## Wastewater Disposal

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### Onsite Wastewater Disposal Systems

The NJ Department of Environmental Protection (NJDEP) is now encouraging the use of advanced technologies to improve water quality and to ensure the proper functioning of wastewater treatment systems (commonly referred to as “septic systems”), particularly in situations involving repairs or corrective measures for malfunctioning systems. As a result, many changes have occurred in Trenton that will impact the design, siting and maintenance of these systems.

To meet the demands brought on by these changes, the Cook College Office of Continuing Professional Education (OCPE) has worked with personnel from the NJDEP, the Water Resources Program of Rutgers Cooperative Extension to survey wastewater professionals from across the state to revise the format and content of its onsite wastewater disposal systems course.

**Day 1** (May 4) – Regulatory considerations for standard and alternate design onsite systems, including wetlands, Treatment Works Approvals (TWAs), and NJPDES.

**Day 2** (May 11) – Future regulatory requirements, alternate systems, alternate systems and innovative technologies and the processes by which they are approved. Treatment processes from “Basics 101” to advanced processes will be discussed using plain, understandable language.

**Day 3** (May 18) – Inspections, troubleshooting and diagnostic procedures, design concepts, fixes and improvements for failing systems.

Code: EW0202CA05  
Date: May 4, 11, 18, 2005  
Time: 9:00 AM - 4:30 PM  
Location: New Brunswick, NJ  
Fee: \$100

## Wildlife Management and Wetlands Basics

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### Goose Management

The number human-to-geese interactions have been an increasing concern for athletic field managers, parks superintendents, golf course professionals, public works managers, residential and commercial property managers, and homeowners across the state.

Did you know that a goose produces 1200 pounds of droppings every year? Learn the latest techniques used to deter geese from congregating in and around golf courses, ponds, office and commercial complexes, athletic fields, recreational facilities, residential areas and parks.

#### Topics

- Current Geese Impact
- Understanding goose activity
- Traditional control methods
- Documenting goose activity
- Health concerns

Code: AA 0305CA05  
Date: March 10, 2005  
Time: 9:00 AM - 1:00 PM  
Location: Tuckerton, NJ  
Fee: \$50

### Introduction to Wetlands

If you want to begin learning about wetland identification this is the course for you! Our **field course** will teach you the basics of wetland identification and introduce you to the practice of wetland delineation. It also provides the essential background material needed for further study in the field of wetland delineation. Ralph Tiner will review the skills you need to begin to identify freshwater wetlands and their boundaries.

All course participants will receive a copy of Ralph Tiner's "In Search of Swampland: A Wetland Sourcebook and Field Guide." Textbook fee is included in the registration fee.

#### Topics

- Define a “wetland”
- Wetland Classifications
- Regulations
- Wetland Identification

Code: EH0201CA05  
Date: May 12, 2005  
Time: 9:00 AM - 4:30 PM  
Location: Tuckerton, NJ  
Fee: \$75

### Freshwater Wetlands

Having difficulty keeping up with the ever changing wetlands regulations? The NJDEP Land Use Regulation Program (LURP) will provide you with a review of the **Freshwater Wetlands Protection Act, adopted September 4, 2001**. You will learn when and how to apply for a Letter of Interpretation, Statewide General Permit, Individual Freshwater Wetlands and State Open Water Fill Permits. Types of activities exempted from the requirements of the Act and the Transition Area Regulations will also be discussed.

#### Topics

- The role of federal agencies
- Rules and Procedures
- Letter of Interpretation
- Statewide General Permits
- Individual Freshwater Permit
- State Open Water Permit
- Transition Area Waiver
- Land Use Application Form

Code: EN0401CA05  
Date: March 16, 2005  
Time: 9:00 AM - 4:30 PM  
Location: New Brunswick, NJ  
Fee: \$50

### Coastal Project Review

Once you have an understanding of the freshwater regulations, update your knowledge on the coastal regulations! This one-day course will explain the coastal zone management regulations and the state laws affecting coastal zone management. Examples of applications for residential, commercial and marina development will be presented along with discussions of delineating areas of special concern. In addition, NJDEP instructors will address common problems and questions associated with permit review.

#### Topics

- CAFRA as amended in 1993
- Wetland Act of 1970
- Waterfront Development Act
- Coastal General Permits
- Policies and Procedures
- Coastal Regulatory Programs

Code: EN0402CA05  
Date: April 21, 2005  
Time: 9:00 AM - 4:30 PM  
Location: Toms River, NJ  
Fee: \$50

### Introduction to GIS

What is a Geographic Information System? How can it uniquely fit your needs as a municipal or small organization? How do you get started? Enroll in this course. You need to learn the terms, handle the software, and meet the expert.

You will learn what Geographic Information System (GIS) is, who is using it, and how it is being used. We will jump into how GIS can be used for municipal applications such as road maintenance, zoning, public works and planning.

#### Topics

- GIS basics
- Software Options
- Terminology
- Applications
- Data Availability

Code:  
Date: April 19, 2005  
Time: 9:00 AM - 4:30 PM  
Location: Tuckerton, NJ  
Fee: \$50

### Grant Writing and Funding

Are you looking for funding? Have you been unsuccessful in past attempts to receive grant money?

In this course, you will learn how to write winning grant proposals not only for government grants but also for other private grant opportunities. We'll show you how to understand and interpret grant guidelines and how to fit your project into their specifications. This course will help you understand the proposal submission requirements and provide you with general grant writing skills.

#### Topics

- Funding Sources
- Needs Assessment
- Goals and Objectives
- Measurable Outcome
- How to Prepare a Budget
- Reporting

Code:  
Date: April 26, 2005  
Time: 9:00 AM - 4:30 PM  
Location: Tuckerton, NJ  
Fee: \$35