

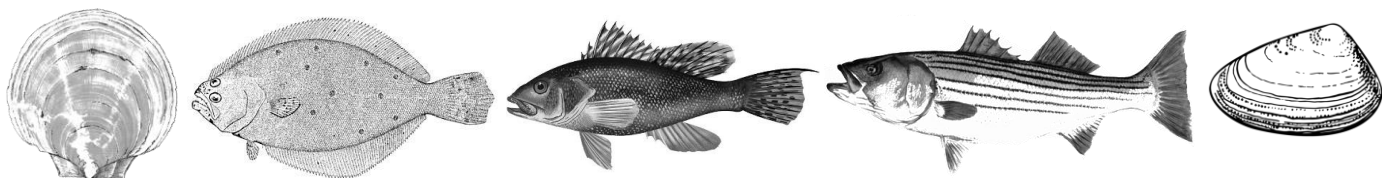
# INTRODUCTORY FISHERIES SCIENCE FOR STAKEHOLDERS (IFISSH)

Rutgers Cooperative Extension (RCE) is hosting our **Introductory Fisheries Science for Stakeholders (IFISSH)** course again in 2019.



The objective of this course is to educate stakeholders of New Jersey's commercial and recreational fisheries so that they will better understand and make progress on issues impacting their industries, including the science, management, and responsible stewardship of fishery resources.

See reverse of flyer for schedule, course topics, and confirmed speakers.



This course is open to all who are interested and will meet every Tuesday from **Jan. 29 – Apr. 2, 2019** during the evenings (**6:30–8:30 PM**) at the RCE of Ocean County in Toms River, NJ (1623 Whitesville Rd).

This will be a **“HyFlex” course**. All sessions will be **broadcasted live via webinar** for **participation in-class or remotely**.

**Cost: \$60.00/person | Register before January 22, 2019 by contacting:**  
Kelly Jurgensen, Administrative Assistant, Marine Extension Program  
kjurgensen@co.ocean.nj.us | 732-349-1152

**For more information, please contact:**  
Douglas Zemeckis, Ph.D. | County Agent III (Asst. Prof.)  
Dept. of Agriculture and Natural Resources, Rutgers University  
zemeckis@njaes.rutgers.edu | 732-349-1152



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Cooperating Agencies: Rutgers, The State University of New Jersey, U.S. Department of Agriculture, and County Boards of Chosen Freeholders. Educational programs are offered without regard to race, sex, disability, color, national origin, or age. Rutgers Cooperative Extension is an Equal Opportunity Employer.

# Introductory Fisheries Science for Stakeholders (IFISSH) – 2019 Course Schedule

All class sessions are on Tuesday nights from 6:30 – 8:30 PM and will be held at the Rutgers Cooperative Extension of Ocean County (1623 Whitesville Road, Toms River, NJ 08755).

“HyFlex” course so that students can participate live in-class or remotely via webinar.

To register, please contact Kelly Jurgensen (Administrative Assistant, Marine Extension Program): [kjurgensen@co.ocean.nj.us](mailto:kjurgensen@co.ocean.nj.us), 732-349-1152. Make checks out to “Ocean County Board of Agriculture” and mail to: RCE of Ocean County, 1623 Whitesville Road, Toms River, NJ 08755, ATTN: Kelly Jurgensen

## Class Sessions and Confirmed Speakers

### **(1) January 29: Course Introduction and Overview of Fisheries Science**

Dr. Douglas Zemeckis (Rutgers University)

#### **Historical and Contemporary Fisheries in New Jersey**

Dr. Eleanor Bochenek (Rutgers University)

### **(2) February 5: Fisheries Biology and Life History (Recruitment, Reproduction, Growth, Distribution, etc.)**

Dr. Chris Chambers (NOAA Northeast Fisheries Science Center)

Dr. Douglas Zemeckis (Rutgers University)

### **(3) February 12: Fish Response to Changing Climate off New Jersey**

Dr. Ken Able (Rutgers University)

#### **Fish Behavior, Migration, and Stock Structure**

Dr. Douglas Zemeckis (Rutgers University)

### **(4) February 19: Fisheries Oceanography**

Dr. Josh Kohut (Rutgers University)

Dr. John Manderson (NOAA Northeast Fisheries Science Center)

### **(5) February 26: Fisheries-Dependent Data: Commercial and Recreational (Observers, VTRs, VMS, MRIP)**

Josh O’Connor (NOAA Greater Atlantic Regional Fisheries Office)

Dr. Douglas Zemeckis (Rutgers University)

Dr. Richard Cody (NOAA Fisheries)

### **(6) March 5: Fisheries-Independent Data: Bottom Trawl and Other Surveys**

Dr. Gregory DeCelles (MA Division of Marine Fisheries)

Dr. Douglas Zemeckis (Rutgers University)

### **(7) March 12: Introduction to Stock Assessment**

Dr. Olaf Jensen (Rutgers University)

Dr. John Wiedenmann (Rutgers University)

### **(8) March 19: Federal and State Fisheries Management**

Jason Didden (Mid-Atlantic Fishery Management Council)

Mike Celestino (NJDEP Division of Fish and Wildlife)

### **(9) March 26: Ecosystem Approaches to Fisheries Management**

Brandon Muffley (Mid-Atlantic Fishery Management Council)

#### **Social and Ecological Factors in Fisheries Management**

Dr. Bonnie McCay (Rutgers University)

Dr. Roger Locandro (Rutgers University)

### **(10) April 2: Perspectives of Fishing Industry Stakeholders**

Speakers and Panelists TBD