



## **Non-Credit Online Course - Maximum Likelihood Estimation for Natural Resources and Ecology**

The Quantitative Fisheries Center (QFC) of Michigan State University's Department of Fisheries and Wildlife has developed and will be launching in Fall 2007 a non-credit, on-line course entitled Maximum Likelihood Estimation for Natural Resources and Ecology. The course covers nonlinear model fitting, estimation of uncertainty in model estimates (e.g., likelihood profiling), and methods of inference using multiple models (e.g., AIC model averaging). This course will provide the foundation needed to understand more advanced statistical methods, such as generalized linear modeling and Bayesian statistics. The course consists of seven primary units and a supplemental math review unit. Worked exercises and assignments using ecological and fishery related data occur throughout the units. Student progress through the course will be entirely self-paced.

### **Dates of Course:**

**Launched October 16, 2008. Sign up now!  
(registrants will have 3-months to complete the course)**

### **Registration Cost:**

**\$470 (\$100 discount\* given to QFC Contributing Partner personnel\*\*)**

### **To Enroll:**

**Go to the QFC webpage (<http://qfc.fw.msu.edu/>) and click on the MLE Course Enrollment link.**

\* To receive discount, contact [brenden@msu.edu](mailto:brenden@msu.edu) for registration coupon code.

\*\* QFC Contributing Partners – Great Lakes Fishery Commission, Illinois DNR, Michigan State University, Michigan DNR, Minnesota DNR, New York DEC, Ohio DNR, Ontario MNR