

Food and Resource Economics Graduate Studies Program 2000-2001

The Department of Food and Resource Economics at the University of Delaware offers four graduate programs for advanced study of the business and social issues of agriculture and natural resources.

- Master of Science (M.S.) in Agricultural Economics
- Master of Science (M.S.) in Operations Research/Agricultural Economics
- Doctor of Philosophy (Ph.D.) In Operations Research/Agricultural Economics
- Doctor of Philosophy (Ph.D.) In Economics/Agricultural Economics

Specific emphasis areas within these graduate degree programs include:

- International Trade and Policy
- Environmental and Natural Resource Economics
- Consumer Economics
- Rural Development
- Food Marketing
- Agricultural Finance
- Food Distribution
- Agribusiness Management
- Water Resource Management
- Risk Management
- Operations Research and Decision Analysis

**Department of Food and Resource Economics
College of Agriculture and Natural Resources
213 Townsend Hall
University of Delaware
Newark, DE 19717-1303
www.ag.udel.edu/departments/frec**

FACULTY

The department faculty have a long record of research publications in nationally and internationally recognized journals. Research results are disseminated to a broad audience ranging from farmers and local business managers to academics and policy-makers across the country. Graduate students are encouraged and assisted in publishing their research results.

J. RICHARD BACON, M.S. (University of Tennessee) *Associate Scientist:* Agricultural Marketing, Risk Management, Agricultural Education

PATRICIA BARBER, Ed.D. (University of Florida) *Associate Professor and Associate Dean:* Cooperative Extension, Outreach

JOHN C. BERNARD, Ph.D. (Cornell University) *Assistant Professor:* Experimental Economics and Economics of Biotechnology

GERALD L. COLE, Ph.D. (Michigan State University) *Professor Emeritus:* Resource Economics, Economic Development, Agricultural Policy

JOSHUA M. DUKE, Ph.D. (University of Wisconsin-Madison) *Assistant Professor:* Environmental and Resource Economics, Land Use, Law and Economics

PAUL EGGERMONT, Ph.D. (State University of New York – Buffalo) *Associate Professor:* Statistics.

CONRADO M. GEMPESAW II, Ph.D. (Pennsylvania State University) *Professor and Vice Provost for Academic Programs and Planning:* Production Economics, Agricultural Finance, Statistics

CARL GERMAN, M.S. (University of Southern Illinois) *Crops Marketing Specialist:* Cooperative Extension

STEVEN E. HASTINGS, Ph.D. (Pennsylvania State University) *Professor:* Resource Economics, Rural Development

RHONDA AULL HYDE, Ph.D. (Clemson University) *Associate Professor:* Operations Research, Decision Analysis

THOMAS W. ILVENTO, Ph.D. (Pennsylvania State University) *Acting Chair and Associate Professor:* Rural Sociology, Community Economic Development

VINCENT LaRICCIA, Ph.D. (Texas A & M University) *Associate Professor:* Statistics.

JOHN MACKENZIE, Ph.D. (University of Rhode Island) *Associate Professor:* Resource Economics, GIS, Land Use

SCOTT MALCOLM, Ph.D. (University of Pennsylvania) *Assistant Professor:* Risk Analysis

DAVID MASON, Ph.D. (University of Washington) *Professor:* Statistics.

PATRICIA TANNER NELSON, Ed.D. (Columbia University) *Family and Child Development Specialist:* Cooperative Extension

JOHN PESEK, Ph.D. (University of Michigan) *Assistant Professor:* Statistics

LIDIA REJTO, Ph.D. (Loránd Eötvös University) *Associate Professor:* Statistics.

H. DON TILMON, Ph.D. (Purdue University) *Farm Management Specialist:* Cooperative Extension

ULRICH C. TOENSMEYER, Ph.D. (University of Maryland) *Professor:* Food Marketing Management and Sales, Futures and Options Markets

FINANCIAL ASSISTANCE

The department offers several types of financial assistance: (1) teaching assistantships, (2) research assistantships, (3) tuition waivers, (4) work study assistance.

Research assistants work an average of 20 hours per week on faculty research projects, and are expected to maintain a normal course load of nine credit hours. Teaching assistants help with department instruction and are expected to maintain a normal course load of nine credit hours. Assistantships are awarded for one year period, and are renewed if the student's overall performance in the program is satisfactory. Students receiving tuition waiver are expected to participate in research projects and required to work an average of 10 hours per week, performing miscellaneous duties within the Department.

All applicants are encouraged to apply for financial assistance. The Department's assistantship stipends are fully competitive with those of other land-grant colleges in the Northeast. The University of Delaware also offers university-wide fellowships for exceptionally qualified students.



FREC Students are encouraged to participate and present papers at professional meetings.

ADMISSION PROCEDURES

Applicants for the M.S. programs are required to have satisfactorily completed an approved undergraduate program of study. On a 4.0 system,

applicants for the M.S. programs must have a general academic index of 2.5. Students who have an academic index below 2.5 may be granted provisional admission if they have Graduate Record Examination (GRE) scores above 1050 with good letters of reference. Students for whom English is not their first language must attain a minimum score of 550 (paper based) or 213 (computer based) on the TOEFL examination. Applicants for the Ph.D. programs are required to have satisfactorily completed an approved masters program of study.

It is recommended that masters degree applicants have a strong undergraduate record including intermediate level courses in microeconomics and macroeconomics. A calculus background is also desirable.

Applicants are required to take the Graduate Record Exam (GRE) and should register for the exam at least four months before the application deadline so that exam scores can be reported to the University on time. Foreign nationals accepted to the program are fully responsible for satisfying all U.S. immigration requirements.

Applicants must submit to the Office of Graduate Studies an application form along with the application fee and official copies of all previous transcripts. Applicants must submit three letters of recommendation to the Department.

In general, the deadline for submitting completed applications for entry in the fall semester is July 1; for entry in the spring semester, December 1. Early application is generally encouraged.

RESEARCH FACILITIES

The University of Delaware Library includes the Hugh M. Morris Library and the following four branch libraries: the Agriculture Library, the Chemistry Library, the Physics Library, and the Marine Studies Library. The collections of the University of Delaware Library contain over 2,000,000 volumes with an additional 390,000 government publications and another 2,300,000 microforms. Subscriptions are held to cover approximately 21,000 journals.

The College of Agriculture and Natural Resources' Computer Site consists of the Microcomputer Lab with 25 seats; a Teaching Laboratory with 19 seats; and a GIS/CAD Laboratory with 13 seats. All systems are connected to the campus network and all PCs have Windows 98 and Microsoft Office 2000. The University's campus network provides students and faculty with high-speed access to on-campus computing and information resources, and to the Internet. These central systems are accessible 24 hours a day, seven days a week via the network from many campus locations, including residence halls, computing sites, laboratories, and offices.

The Department of Food and Resource Economics is located in the newly renovated Townsend Hall. Graduate students are provided office space in the FREC Graduate Office located in Townsend Hall. The Graduate Office contains PCs connected to the University's campus network.

LOCATION & HISTORY

The University of Delaware is located in Newark, a pleasant college community of about 30,000 people. Newark is 14 miles southwest of Wilmington and halfway between Philadelphia and Baltimore off of Interstate-95. It offers the advantages of a small community yet is within easy driving distance of Philadelphia, New York, Baltimore, and Washington. The climate is moderate with temperatures ranging from 5 F or (-15 C) in the winter to 95 F or (35 C) in the summer. Snow may cover the ground for up to three weeks during the winter and rainfall is expected for about 50 days in a year.



The University of Delaware grew out of a small academy founded in 1743. It has been a degree-granting institution since 1834. In 1950 the Graduate College was organized to administer the existing graduate programs and develop new ones. In the past twenty years the University has greatly expanded the scope of its educational endeavors and has about 20,000 students. The University is a tax supported, sea and land grant private institution.



The graduate office provides desk space and access to PC's to graduate students.

CAREER OPPORTUNITIES

Graduates of the Department of Food and Resource Economics have been accepted in Ph.D. programs or found employment with private industries, state and federal government agencies, and other universities such as:

- Bank of New York
- MBNA America
- Wharton Econometrics Forecasting Agency
- United States Department of Agriculture
- NASS
- Penn State University
- University of CA, Davis
- Clemson University