THE UNIVERSITY OF NORTH CAROLINA
APPENDIX B: REQUEST FOR AUTHORIZATION TO PLAN
A NEW DOCTORAL OR FIRST PROFESSIONAL DEGREE PROGRAM

Date: March 13, 2008

Constituent Institution: East Carolina University
School/College: Harriot College or Arts and Sciences
Department: Economics

Program Identification:
CIP Discipline Specialty Title: Economics, Other
CIP Discipline Specialty Code: 45.0699.404.000 Level: D X 1st Prof. _____
Exact Title of the Proposed Degree: Economics
Exact Degree Abbreviation (EdD, PhD): PhD

Does the proposed program constitute a substantive change as defined by SACS?
   a) Is it at a more advanced level than those previously authorized? Yes ____ No X
   b) Is the proposed program in a new discipline division? Yes ____ No X

Approximate date for submitting the request to establish proposal (must be within two years of date of authorization to plan): October 1, 2009
Proposed date to establish (month and year): Date should allow at least three months for review of the request to establish, once submitted. Fall 2011

1. Describe the proposed new degree program. The description should include
   a) a brief description of the program and a statement of educational objectives

   This program provides advanced training towards a research doctorate in economics. The proposed program will be an academic rather than a professional degree program, but we also will explore internship possibilities to strengthen the practical dimension of student training. The program will include two years of general course work, culminating in comprehensive qualifying exams in theory, methodology and econometrics; one year of courses in the student’s specific specializations culminating in field exams; and one to two years of dissertation research, culminating in defense of a PhD dissertation. The first year of course work can be replaced by a master’s degree in economics. Students are expected to work as research or teaching assistants after passing the qualifying exams. The goal of the program is to train research economists with a particular focus on developing and applying theories of rational decision making under uncertainty, including expected utility theory, to selected areas that build upon and support current university strengths and strategic directions. There would be four primary areas of focus related to those strengths and directions: environmental risk; public sector risk; risk and decision making; and analytic and econometric tools of risk evaluation and response.

   The broad educational objectives of the program are to train graduates who are qualified to:

   • Advance the state of economic knowledge and educate others in the use of theoretical and analytic tools related to the above areas of focus;

   • Design and conduct high quality research to understand issues of regional importance, such as economic development and the economic and social impacts of natural hazards and their mitigation;

   • Take a leadership role in articulating the essential aspects of economic analysis in the four areas of focus described above;

   • Work as part of a team with other researchers and policy professionals to formulate policy responses to regional issues based upon rigorous analysis;

   • Design, manage, and evaluate programs and policies that address economic issues in each of the above areas for agencies of government, non-governmental organizations, and private firms.

   The program will train research specialists with skills that are directly responsive to State, regional, and national needs. Thus it will satisfy the following programmatic objectives:
• Improve emergency response capacities in coastal regions by developing effective strategies for population evacuation in cases of catastrophic events, such as hurricanes, floods, tornadoes, or wildfires;

• Provide analytic support, expertise, and qualified personnel to the insurance industry, an industry that must deal with the immediate consequences of such catastrophic events;

• Support the sustainable development of eastern North Carolina by fostering optimal natural hazards management and hazard mitigation policies;

• Create and promulgate policies to mitigate and optimally respond to the long run economic consequences of climate change and sea level rise;

• Provide effective and timely cost-benefit analyses to assist in decisions regarding investment in, and the maintenance of, social and economic infrastructure;

• Provide economic analytic support to natural scientists, social scientists, policy makers, and government decision makers in dealing with issues of sustainable economic development, hazard mitigation, and effective emergency response;

• Collaborate with natural scientists, other social scientists, and policy makers to effectively measure and fully evaluate the tradeoffs between economic development and environmental impacts.

b) the relationship of the proposed new program to the institutional mission and how the program fits into the institution’s strategic plan

Each of the four areas of program focus reflects East Carolina University’s current strengths and support its strategic directions in the areas of economic development and the improvement of human health through social science research, education, leadership, and partnership. They will also contribute to the emerging role of East Carolina University as a major doctoral-level institution.

i. Environmental Risk - Economists who study the environment must account for risk and uncertainty in their models and policy evaluations. Research based on survey techniques must incorporate probabilistic elements to accurately measure implicit prices. The design of environmental policy likewise must accommodate the risk and uncertainty that is embodied in any study of events which combine low probabilities with high expected losses, such as natural disasters. Research on these areas is essential to the development and implementation of policies for mitigating these risks; and mitigation will have a positive impact on the orderly economic development of the coastal region. This branch of the program will be consistent with the research and policy focus of the existing Center for Natural Hazards Research (CNHR) in the Thomas Harriot College of Arts and Sciences. This area of study also has a natural connection to the Institute for Interdisciplinary Coastal Science and Policy (IICSP) being developed at East Carolina University.

ii. Public Sector Risk - Current public policy concerns outside of the environmental area also can be addressed with the research techniques of the proposed program. The traditional benefit-cost evaluation of proposed changes in public policy is an area in which public policy design and implementation can be strengthened by incorporating insights from the economics of uncertainty. The current faculty has the experience and skills both with econometric methods to test theoretical constructs and with the experimental economics methodologies for testing policy alternatives. The Quarterly Regional Economic Forecast called for in the current Department of Economics Strategic Plan will be a focal point for this branch of the program. The Quarterly Forecast will be a vehicle to provide leadership and outreach to citizens and organizations in the region for economic planning.

iii. Risk and Decision Making – The proposed program will educate economic analysts with the technical skills necessary to deal with the issues of risk and uncertainty in a broad variety of contexts. In a world of certainty and perfect knowledge, the appropriate course of action becomes determinant once the objective function is fully specified. In such a static context, decision making is simple. The need for sophisticated decision making, however, arises from recognition that most interesting problems at some level involve irreducible elements of uncertainty. Specification of the appropriate utility/payoff functions, their complementary loss functions, and appropriate analytic frameworks, including but not restricted to that of “expected utility” for optimal decision making, involve challenges to which this branch of the program would be responsive. Such specification also involves behavioral economic approaches
exploring alternative explanations for what might appear to be irrational, or to involve suboptimal decisions regarding risk.

iv. Analytic and Econometric Tools of Risk Evaluation and Response – The ability to manage risks in a changing world requires continual improvement of existing theories and techniques as well as the development of new tools to deal with new challenges. This means that our graduates need to be at the frontiers of knowledge in the areas of risk analysis, capable both of training others and advancing the scientific tools available for application. This focus of the proposed program supports and strengthens the East Carolina University and Harriot College goals of education and research that support economic development while advancing the frontiers of knowledge, and will strengthen East Carolina University as the center of learning for the issues related to our region and state.

c) the relationship of the proposed new program to other existing programs at the institution

The proposed PhD program in economics with a research focus on risk is a natural extension of the economics department's current master of science in resource and applied economics. That program is successful in training economists for a variety of positions in commerce, industry, government, and nonprofit firms. It also produces a substantial number of graduates who go on to PhD work in strong departments at other universities.

The proposed program would not compete with any existing or proposed doctoral-level program at East Carolina University, but would be complementary to the existing PhD in coastal resources management, in which the economics department currently participates. That program has a strong emphasis in physical sciences, especially biology and geology, and maritime studies, whereas the proposed PhD in economics will have an analytic social science emphasis that will complement the existing social science training available in the coastal resources program. It will hence substantially expand the range of opportunities for students by enriching and strengthening the social science focus in coastal resources management and other graduate programs. A letter of support from the current director of the CRM PhD program is included in appendix A. In addition, the program has natural synergies with research activities in the Harriot College Center for Natural Hazards Research and the new Institute for Interdisciplinary Coastal Science and Policy for which it will provide highly qualified research assistants.

East Carolina University also currently offers several degree programs at the master's level to which the proposed PhD in economics, with its risk focus, would be complementary. The Department of Geography offers an MA that applies geographic information science and remote sensing technologies to coastal environments, agriculture, and fisheries. Risk analysis applied to sustainable development also would provide a valuable complement to the proposed new Master’s in Tourism Management under development at ECU.

We anticipate collaboration with other departments in providing courses that will support some aspects of the program. For example, students with research interests in environmental risk and hazard mitigation will benefit from existing geography courses such as remote sensing and advanced spatial analysis. Students likewise will benefit from a variety of advanced courses taught in our mathematics department. Letters of agreement and support from chairs of geography and mathematics are included as appendix A.

d) special features or conditions that make the institution a desirable, unique, or appropriate place to initiate such a degree program.

East Carolina University and the Harriot College of Arts and Sciences constitute an ideal environment in which to initiate the proposed PhD program in economics. There are two specific areas of institutional uniqueness to which the proposed PhD in economics with an emphasis on risk analysis would be responsive. First, the central Atlantic region is home to fisheries and agricultural industries which are socially and economically important to the region. Research on issues of importance to these industries is currently proceeding in economics and in several other academic units at East Carolina University in cooperation with the Survey Research Laboratory of the Regional Development Institute. Such research is also currently proceeding as a cooperative effort among East Carolina, North Carolina State, and North Carolina A&T Universities through the North Carolina Agromedicine Institute. There is as yet, however, no academic program in place which can integrate policy evaluation and design with the element of risk in these areas. Second, because of its geography and experience with natural disasters of recent years, the university created and supports the Center for Natural Hazards Research within Harriot College. This unit brings together faculty researchers and graduate students from a variety of disciplines to study specific issues relating to natural hazards and this work attracts substantial funding by external agencies. The Center works in close cooperation with the Center for Coastal Systems Informatics and Modeling which has recently been established at ECU as a regional engagement center of the
Renaissance Computing Institute (RENCI) at Chapel Hill. The centrality of the systematic analysis of risk and uncertainty in these studies is clear and essential to their success. The fact that the current director of the Natural Hazards Research Center and RENCI holds a tenured faculty appointment in the economics department reflects the primacy of economic analysis to the mission of the center.

The university's current involvement in each of the above areas provides a rich milieu of issues to which the proposed program can contribute solutions. Moreover, the current economics department has strengths in several areas that would be essential to the success of the program. Faculty research in the economics of health and child welfare, environmental/resouce economics, and in the economics of hazards generates high quality publications and attracts significant external support. Other faculty research agendas that would add strength to the program are proceeding in the measurement of income distribution, experimental design, economic development, dynamic econometric analysis and forecasting, and the measurement of regulatory impacts. Each of these areas of interest is buttressed with broad strengths in cross-section and time-series econometric methodology. The Department of Economics Strategic Plan calls for supplementing the existing strengths by initially recruiting four faculty specialists: one each in both micro- and macroeconomic theory, and two in the applied focus areas discussed above. Two of these faculty have been hired as of Fall 2007, and the Department is currently recruiting candidates for a third position to begin fall 2008.

2. List all other public and private institutions of higher education in North Carolina currently operating programs similar to the proposed new degree program.

No other university economics department in North Carolina offers PhD training in economics with a specific emphasis on the economics of risk applied to these areas. The only current program in the state which bears some resemblance to the proposed program is a track within the PhD of the Decision Sciences Department in the Fuqua School of Business at Duke University. That program is not formally structured as one in the economics of risk, but it does permit students to design a program of study emphasizing risk management which, however, focuses primarily on financial risks.

Nationally, there are several PhD programs which emphasize a focus on some aspect of risk, such as the Departments of Insurance in the business schools at Georgia State University, the University of Georgia, Florida State University, Temple University, the University of Pennsylvania, and the University of Wisconsin, and in the Department of Mathematical Sciences at Carnegie Mellon University. These programs focus almost exclusively on financial risk and its management through the use of sophisticated financial instruments in well-functioning markets. Although the basic mathematical tools behind the analyses are similar, the proposed program in economics differs from each of these in that it will apply modern statistical and analytical techniques of risk management to issues of regional concern such as hazard mitigation and environmental resource utilization. A unique aspect of the proposed program is the measurement and evaluation of non-market risks which arise in these areas. The program is further differentiated from those that concentrate on financial risks in that our foci frequently require the collection of primary data on non-market phenomenon, an activity in which the Economics Faculty has expertise and for which East Carolina University has a well-developed infrastructure that provides support. There are several other programs nationally which have an environmental/resource or regional focus, such as those at Middle Tennessee, Central Florida, or Virginia Tech. However, these programs do not emphasize the analysis of risk and uncertainty or the development of the specialized tools for such analysis. The proposed program will be a natural extension of the university's existing and continuing commitments in all these areas. Our goal is to develop a program that will achieve national visibility within ten years.

3. Estimate the number of students that would be enrolled in the program during the first year of operation.

The program will admit up to eight students every alternate year. Six of these will be financed initially by stipends, and up to two additional will be self-supporting through their own or other external funds not derived through the department or the university. Normal attrition is expected to eventually reduce the size of each entering cohort by 12.5 percent, with one student, on average, leaving the program by the third year. Three students of the entering cohort are expected, on average, to complete the degree requirements at the end of the fourth year, the fourth through sixth members of the full cohort are expected to complete the degree in the fifth year, and perhaps one in the sixth year. Once steady state conditions are reached in the sixth year of the program there will be an average of seventeen full-time students and three and one-half graduates per year.

[A flow chart illustrating annual changes over the first ten years of the program is included as appendix B.]
4. Indicate the current and projected demand for graduates of the proposed new degree program. Provide documentation about the sources of data used to estimate demand figures.

The U. S. Department of Labor projects steady growth in the job opportunities for economists in general at least through 2014.¹ For those with PhD training the best job opportunities are expected for those candidates with skills in quantitative techniques and their application to economic modeling and forecasting. These are precisely the types of skills that will be stressed in the proposed program in economics with a research focus on risk. Two federal agencies have recently issued a joint memorandum that stresses the need for precisely the type of risk analysis that is the central focus of the proposed degree.² The chief administrator of the Office of Information and Regulatory Affairs of the Office of Management and Budget and the associate director of the Office of Science and Technology Policy on September 19, 2007, urged all heads of executive departments and agencies to integrate risk analysis into all of their regulatory activities: "Agencies should recognize that risk analysis is a tool...in the regulatory tool kit."³ The memorandum also stresses the need for trained professionals with the requisite skills for risk assessment: "Risk assessors and economists are responsible for providing decision-makers with the best technical information available or reasonably attainable...⁴

Graduates of this program will find opportunities both within and outside of academics, although we expect most to accept non-academic positions. Outside of academics, firms and institutes that provide consulting services to the insurance industry will provide placement opportunities. Reinsurance companies will also have opportunities for our graduates. Examples include:

- ISO-Insurance Services Office
- PERI-Property Entity Risk Institute
- IBHS-Institute for Building and Home Safety
- NAHB-National Association of Home Builders
- RMS-Risk Management Solutions
- ARA-Applied Research Associates
- AIR Worldwide Corporation
- SwissRE-a reinsurer
- MunichRE-a reinsurer

The program emphasis on environmental risks, risk and regulation, and public sector risk will provide essential skills for analysts in many government agencies. A representative list is:

- OMB-Office of Management and Budget
- OSTP-Office of Science and Technology Policy
- NOAA-National Oceanic and Atmospheric Administration
- NIST-National Institute of Standards and Technology
- EPA-Environmental Protection Administration
- DOE-Department of Energy
- DOD-Department of Defense
- FEMA-Federal Emergency Management Agency
- FRB-Regional Federal Reserve Banks
- DHS-Department of Homeland Security
- FDIC-Federal Deposit Insurance Corporation
- FDA-Federal Drug Administration

Representatives of the above are currently being contacted about our proposed program to solicit their comments and advice. Discussions have been held with Mr. Scott Rayder, chief of staff of NOAA, and his suggestions incorporated. We are anticipating a letter of support from him. Other input will be taken into account as it is received. We will also explore the internship possibilities with these and similar agencies.

The tables below show the historical placement of two comparison programs, Texas Tech Department of Economics in the College of Arts and Sciences and University of Tennessee Department of Economics in the College of Business. The emphasis of our proposed program is distinct from that of these two examples, but they are comparably-sized programs at similar institutions. The ECU program should be able to attract students with similar talent, and develop them at least as well as these two comparison programs. It should be noted that both of these programs aspire to place PhD students in academic positions, while we will be focusing on the non-academic side of the market. We do, however, expect a few graduates to accept academic positions such as those noted below.
Table 1 Comparison Program I –Texas Tech University Recent Economics PhD Graduates and Placements

<table>
<thead>
<tr>
<th>COHORT YEAR</th>
<th>NUMBER of Ph.D GRADUATES</th>
<th>INITIAL APPOINTMENTS</th>
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<tbody>
<tr>
<td>1997</td>
<td>2</td>
<td>West Texas A &amp; M</td>
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<tr>
<td></td>
<td></td>
<td>Texas A&amp;M at Corpus Christie</td>
</tr>
<tr>
<td>1998</td>
<td>1</td>
<td>West Texas A&amp;M</td>
</tr>
<tr>
<td>1999</td>
<td>2</td>
<td>Austin College</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Houston Baptist University</td>
</tr>
<tr>
<td>2000</td>
<td>5</td>
<td>Yeditepe University</td>
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<td></td>
<td></td>
<td>Abant Izzet Baysal University</td>
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<tr>
<td></td>
<td></td>
<td>Public Utility Commission of Texas</td>
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<tr>
<td></td>
<td></td>
<td>University of Mississippi</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Virginia Department of Planning &amp; Budget</td>
</tr>
<tr>
<td>2001</td>
<td>3</td>
<td>Middle East Technical University</td>
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<tr>
<td></td>
<td></td>
<td>Alvernia College</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Northwest Vista College</td>
</tr>
<tr>
<td>2002</td>
<td>1</td>
<td>Jordan Telecommunications Regulatory Commission</td>
</tr>
<tr>
<td>2003</td>
<td>3</td>
<td>University of Arkansas</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Jordan University of Science &amp; Technology</td>
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<tr>
<td></td>
<td></td>
<td>Wayland Baptist University</td>
</tr>
<tr>
<td>2004</td>
<td>4</td>
<td>Bank of Jordan</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Blue Cross-Blue Shield</td>
</tr>
<tr>
<td></td>
<td></td>
<td>University of Puerto Rico</td>
</tr>
<tr>
<td>2005</td>
<td>3</td>
<td>College of St. Scholastica</td>
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<tr>
<td></td>
<td></td>
<td>University of Jordan</td>
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<td></td>
<td>Washington &amp; Jefferson College</td>
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<tr>
<td>COHORT YEAR</td>
<td>NUMBER of Ph.D GRADUATES</td>
<td>INITIAL APPOINTMENTS</td>
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</tr>
</tbody>
</table>
| 1996        | 6                        | Lincoln Memorial University  
                      | St. Andrew's College  
                      | International University of Germany  
                      | Northeast Oklahoma University  
                      | Non-Profit Corporation, Iowa  
                      | American Airlines Corporation  
                      | Tennessee Wesleyan University  
                      | Pacific Gas and Electric Company |
| 1997        | 6                        | University of Arkansas  
                      | Louisiana State University  
                      | Virginia Commonwealth University  
                      | University of Newcastle, Australia  
                      | University of Ouagadougou  
                      | Texas A&M University |
| 1998        | 3                        | Sun Trust Bank  
                      | University of Science and Arts of Oklahoma  
                      | Aspen Systems, Inc. |
| 1999        | 7                        | Salisbury State University  
                      | Georgia State University  
                      | Marshall University  
                      | Fairfield University  
                      | Federal University of Amazonas, Brazil  
                      | Pace University  
                      | University of South Carolina |
| 2000        | 6                        | The National Bank of Romania  
                      | William Paterson College  
                      | Southeastern Louisiana University  
                      | Milligan College  
                      | Hanover College  
                      | Millersville College |
| 2001        | 3                        | Georgia State University  
                      | University of Arkansas  
                      | Wilbur Smith and Associates |
| 2002        | 3                        | Kent State University  
                      | US Air Force  
                      | Cigna Health Care |
| 2003        | 5                        | University of Dallas  
                      | Kasetsart University, Thailand  
                      | PNC Financial Services Group  
                      | University of South Carolina-Aiken  
                      | University of South Alabama |
| 2004        | 4                        | Illinois State University  
                      | United States Air Force  
                      | Lincoln University, Caterbury, New Zealand  
                      | University of New England, Armidale, Australia |
| 2005        | 4                        | Tusculum College, Greenville, TN  
                      | Creighton University, Omaha, NE  
                      | Government Accountability Office, Washington, DC  
                      | Renmin University, China |

Further details regarding career opportunities for new PhD economists in the non academic sector are available at a website maintained by the American Economic Association (http://www.vanderbilt.edu/AEA/gradstudents/).
5. If there are plans to offer the program away from campus during the first year of operation:
   a) briefly describe these plans, including potential sites and possible method(s) of delivering instruction.
   b) Indicate any similar programs being offered off-campus in North Carolina by other institutions (public or private).
   c) estimate the number of students that would be enrolled in the program during the first year of operation:

   Full-time  ____________  Part-time  ____________

   There are no plans to offer the program off campus or via distance education.

6. Describe the procedures that will be used to plan the proposed program. List the names, titles, e-mail addresses, and telephone numbers of the person(s) responsible for planning the proposed program.

   The development of the proposed program has had the participation of the full tenured and tenure-track faculty since the initial planning in summer 2005. The formalities have been handled primarily by a planning committee composed of senior faculty, but all of its meetings are and will remain open. Comprehensive minutes of each meeting are distributed to each tenured and tenure-track faculty member, and comments and criticisms are regularly solicited. The current proposal reflects several specific changes that were made in response to these comments. The department faculty has met as a whole three times to discuss and vote on the development of the program. The formal proposal was then presented to the entire tenured and tenure-track faculty, our academic dean (his letter of support is included in Appendix A), the Academic Program Development Collaborative Team, the Graduate Curriculum Committee, the Graduate School Administrative Board, the Educational Policies and Planning Committee, and the East Carolina University Faculty Senate. It has received suggestions and full support from all parties. The current proposal responds to, and often incorporates, the suggestions made by each of these reviewing organizations.

   **Department of Economics:**
   Richard Ericson, Professor and Chair, ericsonr@ecu.edu, 252-328-6750
   Department Planning Committee:
   Carson Bays, Professor, baysc@ecu.edu, 252-328-2948
   John Bishop, Professor and Director of Graduate Studies, bishop@ecu.edu, 252-328-6756
   Jamie Brown Kruse, Professor of Economics, Director of Center for Natural Hazards Research, Director of RENCI @ ECU, Center for Coastal Systems Informatics and Modeling, krusej@ecu.edu, 252-328-5784
   Philip Rothman, Professor, rothmanp@ecu.edu, 252-328-6151

   **Harriot College:**
   Alan White, Dean, whiteal@ecu.edu, 252-328-6249

   **Division of Academic Affairs:**
   Marilyn Sheerem, Interim Provost and Vice Chancellor for Academic Affairs, sheerem@ecu.edu, 252-328-6242

   **Division of Research and Graduate Studies:**
   Deirdre Mageean, Vice Chancellor, mageean@ecu.edu, 252-328-9471
   Patrick Pellicane, Dean of Graduate School, pellicane@ecu.edu, 252-328-6012

7. Describe the method of financing the proposed new program (e.g., potential sources of funding). Indicate the extent to which additional state funding may be required.

   The program will be financed initially from resources already expected to be available to the university due to departmental enrollment growth, including that of the PhD program, and from the reallocation of resources between the existing master's program and the new PhD program. A steady-state average enrollment of seventeen PhD students, beginning with the fifth year of the program, will generate, according to the 2006-2007 UNC-GA funding formula, $560,000 in additional funding to the university (after accounting for the expected decrease in master's SCH), including 3.86 new FTE from the expected 446 doctoral SCH; we anticipate that some portion of these resources will be available to the department. When the initial program is fully in place, the department will need two additional FTE faculty positions beyond the eighteen FTE which the department has as of September 2007, and 2.5 FTE (or equivalent reallocation/lapsed salary funds from unused lines at the
College/AA level) allocated to support teaching assistantships and teaching by advanced graduate students, if the program is to function well.

Supported domestic (out of state) PhD students will require $33,000, including fees and tuition, per year for their first year in residence, and $22,600 per year thereafter. In state PhD students will require only $22,600 per year. Foreign students will require $33,000 throughout their time in the program. [Note that all costs and revenues, here and below, are stated in 2006-7 constant dollars, and will require inflation adjustment in the future.] Students will not be supported beyond the fifth year (fourth, if entering with master's credit). Thus once the enrollment reaches its steady-state size in the fifth year, the cost will be about $420,000/year in those years in which a new cohort is admitted and about $340,000/year in the alternate years, assuming one-third to one-half of incoming students are foreign. Approximately $160,000 of this will be available from switching existing tuition remissions and graduate assistant funds (out of the current ~$165,000) to support the best students in the PhD program. Some of these PhD students will come from the masters’ program, and some will be new admissions into the PhD program. These funds are now largely used to support foreign students in the master's program, and we expect the best of those students to be entering the Ph.D. program, rather than the masters'. We will be focussing our recruiting for the master's program on in-state students, who will not require the same level of support, thus maintaining the quality and productivity of our masters' program at a substantially lower cost.

We anticipate four additional non-resident tuition waivers (current total value: $59,200) and two instate tuition waivers (current total value: $9,400) to support the strongest PhD students, and we expect to generate advanced graduate student funding of $35,000 - $45,000/year (about two funded advanced PhD students) from research grants, largely through the Natural Hazards Research Center, from such sources as NSF, NOAA, and SeaGrant. We anticipate that the level of external support can be increased after 8 years, when we will have a steady state pool of 11 advanced PhD students capable of supporting faculty research. This meets the level of external grant funding of graduate students in most economics PhD programs, and can be expected to grow as the program matures. As reported in Hoffer, T. B. et al, 2006, "Doctorate Recipients from United States Universities: Summary Report 2005." (Chicago: National Opinion Research center), research assistantships, both externally and internally funded, support only sixteen percent of PhD students in the social sciences such as economics, a level that we will work to exceed once we have enough third year and beyond PhD students ready to work in funded research projects. Finally, we anticipate some $5,000/year will be raised for graduate student support by our Economics Department Advancement Council.

Most of the remaining financial requirement will be covered by the use of PhD students in their third through fifth years as teaching assistants, research assistants, and Instructors (2.5 FTE cash equivalent, promised by Harriot College), as is done in all other economics PhD programs. This source of support will require some flexibility by the university in allowing the economics department to use teaching lines, or funds reallocated at the college or division level, for graduate student teaching and research assistantships. Thus additional state support required to run a quality program should be limited to four new out-of-state tuition remissions and two new instate remissions for our outstanding students, to about $110,000 in funds from the approximately $530,000 net increase to the university generated by enrollment in the program, and to the granting of flexibility in the use of funds available in FTE lines for the support of graduate student teaching and research.

This request for authorization to plan a new program has been reviewed and approved by the appropriate campus committees and authorities.

Chancellor: [Signature]
Date: 3/4/18


Appendix A – Letters of Support
February 20, 2007

Dr. Richard E. Ericson
Professor and Chair
Department of Economics
East Carolina University
Greenville, NC 27858

Dear Richard,

The Department of Geography provides its unqualified and enthusiastic support for the development of a PhD program housed in your unit. We feel that the focus on environmental uncertainty and risk are themes that are regionally relevant and that we can be helpful with. It makes good sense to permit your students to participate in graduate level courses that deal with digitally explicit representations of those natural and built environments. So, graduate courses in geographic information science (GIS, GPS, Remote Sensing, and Advanced Spatial Analysis) are good options. Moreover, we look forward to continued collaboration between our instructional and research programs. We extend best wishes to you and your colleagues as you proceed with the proposal and should you have additional needs please do not hesitate to contact us.

Regards,

[Signature]

Ron Mitchelson
Professor and Chair

East Carolina University is a constituent institution of the University of North Carolina. An Equal Opportunity/Affirmative Action Employer.
MEMO TO: Dr Richard Ericson, Chair
Department of Economics

FROM: Dr Gail Ratcliff, Chair
Department of Mathematics

DATE: February 20, 2007

RE: Proposed Economics Ph.D. program

The Department of Mathematics strongly endorses the proposed Ph.D. program in the Department of Economics. We are well situated to offer the graduate-level analysis courses needed for this program, and look forward to seeing additional economics students in these courses.
MEMO TO: Dr Richard Ericson, Chair  
Department of Economics

FROM: Dr Ronnie W. Smith, Acting Chair  
Department of Mathematics  

DATE: October 23, 2007

RE: Proposed Economics Ph.D. program

The Department of Mathematics strongly endorses the proposed Ph.D. program in the Department of Economics. We are well situated to offer the graduate-level analysis courses needed for this program, and look forward to seeing additional economics students in these courses.
Dr. Richard E. Ericson
Professor and Chair
Department of Economics
East Carolina University
Greenville, NC 27858

Dear Dr. Ericson:

Thank you for sharing your plans for development of an innovative doctoral program in the Department of Economics with me. The PhD Program in Coastal Resources Management (CRM) gives its strong and unqualified support for the establishment of this distinctive program in the department. The application of economic theory and quantitative methods to the mitigation of both recurring and catastrophic risks, particularly those relating to natural hazards, resources, and the environment will expand and strengthen course and research opportunities for CRM students as well as those in the economics program. In addition, students in that program will have full access to courses and research offered through the CRM program.

The faculty in the Department of Economics have provided strong support for the CRM program, so I look forward to the enhancing both programs through this new initiative. Please let me know if there is anything I can do to ensure that this program is established in the department.

Sincerely,

Lauriston R. King
Director
Appendix B – Student Flowchart for First Ten Years of Program
Appendix C – Support Letter from Dean Allen White
MEMORANDUM

TO:       Dr. Richard Ericson
          Chair, Department of Economics

FROM:    Dr. Alan White
          Dean, Harriot College of Arts and Sciences

DATE:  November 26, 2007

RE:     Letter of Support for the Proposed PhD in Economics

I write to convey the strong support of Harriot College of Arts and Sciences for the proposed PhD in Economics. As detailed in their Request for Authorization to Plan, this PhD would focus on risk economics, in particular having the following areas of emphasis: environmental risk, public sector risk, risk and decision making, and the analytic and econometric tools of risk evaluation and response. Central strategic goals of Harriot College include promoting research and supporting the development of programs that will strengthen both the educational and research missions of the College. This program would advance these goals since the Economics Department has a strong research faculty that is capable of offering a PhD program of high quality that will both underscore their own research efforts and promote those of their students.

There are many aspects of the proposed program that will support specific College initiatives that are already established. In particular, Harriot College is the location of the Center for National Hazards Research which hosts an interdisciplinary effort to study issues related to natural hazards. A PhD program which involves the study of environmental risk would clearly enhance the efforts of this center and those of its collaborator, the Center for Coastal Systems Information and Modeling, which is a recent addition to ECU as the regional engagement center for the Renaissance Computing Institute (RENCI) at Chapel Hill.

This PhD in Economics also would further the University's firm commitment to regional outreach and in particular to promoting economic prosperity in the region. The focus on public sector risk would incorporate the economics of uncertainty into the evaluation of proposed changes in public policy. As a focal point for this part of the program, the
Dr. Richard Ericson  
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Economics department will produce *The Quarterly Regional Economic Forecast* that will aid the individuals and organizations in the region in economic planning.

Harriot College has been supportive of this PhD proposal since the program was initially discussed and has invested significant resources in the program. During the 2006-2007 academic year, the department was allocated a position in Macroeconomic Theory in support of their proposed PhD program. This year (2007-2008) the College allocated a second position and authorized the hire at the Associate Professor level in risk economics. The department was also provided a .75 SPA position in support of both the department and the Center for Natural Hazards Research. The College provided strong leadership to enable the center to acquire a suite of offices in Brewster that would now become part of the infrastructure of the PhD program.

Harriot College intends to continue to support the proposed program. Next year (2008-2009) a top priority will be allocating a position to the Economics Department for a hire in Public Economics. The proposal also requests that 2.5 positions from lapsed salary funds be allocated to the department for graduate student support. Harriot College has provided similar financial support to students in the Biomedical Physics PhD program and students in Biology and Chemistry that are participating in the Interdisciplinary PhD in the Biological Sciences, a joint program with the Brody School of Medicine. Thus, the College anticipates being able to provide funding for students in the proposed Economics PhD program. The proposal also contains a request for four additional out-of-state tuition remissions. While these are not currently available, the proposed PhD will be a priority in allocating any new remissions that are obtained by Harriot College.

Harriot College not only strongly supports the PhD as a degree that will enhance research and educational opportunities in the College but has already contributed significant resources to aid Economics in developing this program and to ensure its success. It will continue to do so. Please feel free to contact me with any questions.
Faculty Information Sheets
Department of Economics
Name  Carson W Bays

1. Rank  Professor

2. Degrees:

   PhD, Economics – University of Michigan, 1975
   MA, Economics – University of North Texas, 1968
   BA, Economics – University of Texas Arlington, 1966

3. Teaching Experience related to proposed degree (with emphasis on the past five years)

   a. Overall nature of workload assignments

      2002-2008
      Teaching  40%
      Research  30%
      Service   30%

      1986-2002
      Administration (Department Chair)  55%
      Teaching                  15%
      Research                  10%
      Service                   20%

   b. Courses:

      ECON 5000, Advanced Topics in Health Economics, Fall 2003
      ECON 5000, Advanced Topics in Law and Economics, Spring 2001

   c. Graduate student supervisory experience

      2001- Present:

      Principal Adviser for Economics MA Projects


      Committee Member for History MA Theses

      Samuel Michael, “A Cost-Effectiveness Comparison of WWI and WWII German
      Submarine Warfare," 2006

      Scott Hardy, “The Broken Arrow of Camelot,” 2005

      Cruz islands," 2004


**Prior to 2001:**

**Principal Adviser for Economics MA Projects**

Andrew Deininger, “Public School Quality and Housing Prices: Evidence from Pitt County, North Carolina”

Brian Smith, "The Perceived Quality of Public Schools"

4. Scholarly & Professional Activities related to proposed degree (with emphasis on the past five years)

a. Publications/Scholarly Activity related to proposed degree

**2001- Present:**


**Prior to 2001:**


**Current Working Papers**


b. Status of Grants & Contracts submitted related to proposed degree (including agency names, years of funding, collaborative partners)

**Prior to 2001:**


"Economic Incentives for Optimal Powerplant Reliability," Federal Energy Administration, 1979, funded.


c. Invited research presentations outside ECU

**2001- Present:**


**Prior to 2001:**


"The State of the Health Care Industry: An Economist's Perspective,"
Invited Address to the Advanced Institute for Hospital Personnel Administration and Labor Relations, New Orleans, LA 1977.

"Cost and Efficiency Differences Between Profit and Nonprofit Hospitals,"

"Two Systems of Belief About Industrial Concentration and Antitrust Policy,"
Invited Address to the legal and economic staffs of the Federal Trade Commission
District Office, Chicago, IL, 1976.

5. Other

Founding Chair of East Carolina University Economics Department, 1986-2002

Awards and Recognition

Who’s Who Among America’s Teachers, 2002, 2004


Phi Kappa Phi (2001)

Omicron Delta Kappa 1994)

Reviewer/Referee for

National Science Foundation
American Business Law Journal
Inquiry
International Journal of Research in Management Economics
Medical Care
Quarterly Review of Economics and Business
Review of Economics and Statistics
Review of Industrial Organization
Faculty Information Sheet

Name: Paul (Okmyung) Bin

1. Rank: Associate Professor

2. Degrees:
   - Ph.D., Economics, Oregon State University, June 2000
   - M.A., Economics, Korea University, February 1994
   - B.A., Hindi/Economics, Hankuk University of Foreign Studies, February 1992

3. Teaching Experience related to proposed degree (with emphasis on the past five years):
   a. Overall nature of workload assignments
      
      2001-2008
      Teaching 40%
      Research 50%
      Service 10%

   b. Courses:
      - Fall 2001: ECON 5000 Advanced Topics: Cost Benefit Analysis
      - Fall 2002: ECON 6301 Econometrics I
      - Fall 2002: ECON 5000 Advanced Topics: Cost Benefit Analysis
      - Fall 2003: ECON 6301 Econometrics I
      - Fall 2003: ECON 6300 Econ of Coastal Populations
      - Fall 2004: ECON 6301 Econometrics I
      - Fall 2004: ECON 5000 Advanced Topics: Cost Benefit Analysis
      - Spring 2005: ECON 6390 Graduate Research
      - Fall 2005: ECON 6300 Economics of Coastal Populations
      - Fall 2005: ECON 6301 Econometrics I
      - Fall 2005: ECON 5000 Advanced Topics: Economics of Coastal Populations
      - Fall 2006: ECON 6301 Econometrics I

   c. Graduate student supervisory experience (theses/dissertations):
      - Dissertation Committee for Paul Hindsley, PhD Program in Coastal Resources Management, 2007 – present
      - Dissertation Committee for Greg Meyer, PhD Program in Coastal Resources Management, 2007 – present
      - Dissertation Committee for David Gloeckner, PhD Program in Coastal Resources Management, 2007 – present
      - M.S. Thesis Advisor for Jee Hwang, Department of Economics, 2005
      - M.S. Thesis Advisor for Afua Dei-tutu, Department of Economics, 2003

4. Scholarly & Professional Activities related to proposed degree (with emphasis on the past five years):
a. Publications/Scholarly Activity related to proposed degree:


b. Status of Grants & Contracts submitted related to proposed degree (including agency names, years of funding, collaborative partners):


National Commission on Energy Policy, $50,000, Measuring the Impacts of Climate Change on North Carolina Coastal Resources, with Christopher Dumas, Ben Poulter, and John Whitehead, 2006.


East Carolina University, Division of Research and Graduate Studies Research Development Grant Program, $30,000, Spatial, Environmental and Behavioral Determinants of Valuation of Coastal Erosion Risk, with Jamie Kruse, Craig Landry, and Tom Crawford, 2005.

East Carolina University, Regional Development Services, Study on Historical Impact of Pitt County Memorial Hospital on County Revenue Stream, granted for two course release, 2005.


c. Invited research presentations outside ECU:


Bin, Okmyung, Christopher Dumas, Ben Poulter, and John Whitehead. GIS Measuring the Impacts of Climate Change on North Carolina Coastal Resources, Ecosystem Sustainability & Health of Threatened Marine Environments, May 2-4, 2007, Universiti Malaysia Terengganu, Terengganu, Malaysia.


e. Participation in scholarly collaborations with other universities, laboratories, & centers:

Measuring the Impacts of Seal Level Rise on Marine Recreational Shore Fishing in North Carolina, with John Whitehead, Ben Poulter, and Christopher Dumas.

Time-varying Viewshed Measures and Impacts on Hedonic Pricing Models: A Case Study of Ocean View in Beach Communities, with Thomas Crawford, Jamie Kruse, and Craig Landry.

Riparian Buffers and Hedonic Prices: A Quasi-Experimental Analysis of Residential Property Values in the Neuse River Basin, with Craig Landry, and Gregory Meyer.

Valuing Spatially Integrated Amenities and Risks in Coastal Housing Markets. Accepted Simultaneous Hedonic Property Markets, with Craig Landry.

Monitoring a Marine Protected Area: Trends in Elasmobranch Abundance in the Cocos Island Marine Conservation Area, with Myers, Mark, Christopher Vaughan, Stephen Polasky, and Avraham Klapfer.

Spatial Dependence and Spatial Sampling Using a Semivariogram Approach, with Geoffrey Donovan and David Butry.

Social Capital and Business Giving to Charity following a Natural Disaster: An Empirical Assessment, with Bob Edwards.


Evaluating Preferences for Rebuilding New Orleans after Hurricane Katrina, with Jamie Kruse, John Whitehead, Kenneth Wilson, Craig Landry, and Harold Stone.

Beach Site Selection and Congestion, with Craig Landry, Hans Vogelsong, Paul Hindsley, and Chris Ellis.

Coastal Development and Perceptions of Natural Hazards Risk, with Jamie Kruse, Craig Landry, Tom Crawford, and Paul Hindsley.

5. Other:
East Carolina University, Regional Development Services:
Study on Historical Impact of Pitt County Memorial Hospital on County Revenue Stream, 2005

Referee/Reviewer

American Journal of Agricultural Economics
Coastal Management Journal
Contemporary Economic Policy
Ecological Economics
International Journal of Intelligent Systems in Accounting, Finance and Management
Journal of the American Water Resources Association
Journal of Environmental Economics and Management
Public Finance Review
Florida Sea Grant
South Asian Network for Development and Environmental Economics (SANDEE) Grant
Name: John A. Bishop

1. Rank: Professor

2. Degrees:
   Ph.D., University of Alabama, 1987
   M.A., Virginia Commonwealth University, 1983
   B.A., (with Distinction) University of Virginia, 1978

3. Teaching Experience related to proposed degree (with emphasis on the past five years):
   a. Overall nature of workload assignments
      
      | 2001-2008 | Teaching | Research | Service |
      |-----------|----------|----------|---------|
      |           | 40%      | 45%      | 15%     |

   b. Courses:
      - Fall 2007: ECON 6390 Graduate Research
      - Spring 2006: ECON 6402 Microeconomic Theory II
      - Fall 2005: ECON 5800 Public Economics
      - Spring 2005: ECON 6390 Graduate Research
      - Fall 2004: ECON 6000/002 Advanced Topics: Financial Economics
      - Spring 2004: ECON 6000/001 Advanced Topics: Microeconomics
      - ECON 6000/002 Advanced Topics: Microeconomic Theory
      - Fall 2003: ECON 5000/007 Advanced Topics: Microeconomics
      - ECON 5000/008 Advanced Topics: Financial Economics
      - Spring 2003: ECON 6000/001 Advanced Topics: Research
      - Fall 2002: ECON 6000/001 Advanced Topics: Capital Markets
      - ECON 6000/002 Advanced Topics: Applied Microeconomics

   c. Graduate student supervisory experience (theses/dissertations)

      East Carolina University—Master’s Papers

      2005  Qian Fang, “Labor Market Earnings of Party Members in China”
      2004  Qi Meng, “The Effect of Cigarette Prices on Smoking Decision and Intensity in China”
      2003  Xi Pan, “Evaluating Regional Poverty in Rural China with Subjective Equivalence Scales”
      2002  Fang Wang, “The Application of Quantile Regression to Analysis of Gender Earnings Gap in China”
2000  Laziz Karimov, “Collecting and Using Labor Force Statistics with an Application to the Amount and Duration of Unemployment"
1999  Ruby Hung, “Food Stamps and Poverty”

University of Alabama--PhD Committee

2006  Keith Malone
2003  Kamol Chumrusphonlert
2000  Qi Zhang
1995  Joseph Kaliyati
1993  Hoseong Kim

4. Scholarly & Professional Activities related to proposed degree (with emphasis on the past five years):

a. Publications/Scholarly Activity related to proposed degree:

Editorial Appointments (Current):

Series Editor, Research on Economic Inequality, JAI-Elsevier
Software and Database Editor, Journal of Economic Inequality, Basil-Blackwell

Books:


Edited Volumes:


Refereed Publications:

2001-Present:


Prior to 2001:


Book Chapters and Other Publications:

2001-Present:


Prior to 2001:


Electronic Publications:


b. Status of Grants & Contracts submitted related to proposed degree (including agency names, years of funding, collaborative partners):

- Employment Policy Institute, 2007, (J. Formby), active;
- Upjohn Employment Institute, 2002, (J. Formby);
- Employment Policy Institute, 2000 (J. Formby);
- UNC Institute of Nutrition, 1995 (L. Zeager);
- Andrus Foundation 1995 (J. Formby);
- Alabama Administrative Office of Courts, 1994 (J. Formby);
- USDA-Food and Nutrition Service, 1991-92 (L. Zeager and J. Formby);
- KPMG Peat Marwick Foundation Grant, 1991 (J. Formby).

Current Working Papers:


“Measuring Aggregate Airline Flight Delays,” (with N. Rupp and B. Zheng)


“Spanish Labor Market Efficiency,” (with H. Liu and A. Grodner)


c. Invited research presentations outside ECU: More than sixty presentation at regional, national and international conferences since 2000

d. Participation in scholarly collaborations with other universities, laboratories, & centers: n/a

e. Service on related state/national/international boards or committees:

5. Other

Reviewer/Referee for:

National Science Foundation
American Economic Review
Econometrica
National Tax Journal
International Tax and Public Finance
Journal of Public Economics
Southern Economic Journal
Economica
Review of Income and Wealth
Review of Economics and Statistics
Social Science Quarterly
Applied Economics

Member of:
American Economic Association
Southern Economic Association
Name: Richard E. Ericson

1. Rank: Professor

2. Degrees:

   Ph.D., Economics, University of California-Berkeley, 1979
   M.I.A., Russian Area Studies, Columbia University SIA, 1974
   B.S.F.S., International Affairs, Georgetown University SFS, 1971

3. Teaching Experience related to proposed degree (with emphasis on the past five years)

   a. Overall nature of workload assignments

      2003-2008
      Administration  50%
      Teaching/Advising 20%
      Research 15%
      Professional Service 15%

   b. Courses:

      East Carolina University, 2003-2008
      ECON 6000 Advanced Topics in Microeconomic Theory, Fall 2003-2007

      Columbia University, 2001-2003
      Ph.D. Courses
      2000-1: Microeconomic Analysis I; Economics of Transition;
      2001-2: Political Economy of Transition;
      2002-3: Microeconomic Analysis I;

      MA Courses
      2000-1: Organization and Development of the Post-Soviet Economies;
      2001-2: The Political Economy of Transition;
      2002-3: Soviet & Post-Soviet Economies;

      Prior to 2001:

      Ph.D. Courses
      Microeconomic analysis I
      Microeconomic analysis II
      Advanced Microeconomic Theory
      General Equilibrium Theory
      Economics of Transition
      Economic Theory of Central Planning
      Topics in the Management of Centrally Planned Economies

      MA Courses
      Organization and Development of the Soviet Economy
      Legacies of the Russian and Soviet Empires
c. Graduate student supervisory experience (theses/dissertations):

Ph.D.
Columbia University
Dalida Kadyrzhanova, from 2001-2007
Emanuelle Gerratana, from 2000-2004
Jason Barr, from 2000-2002
Haksoo Ko, from 1998-2002
Taksueng Jun, from 1999-2002
Anatoli Kandel, from 1996-2001
14 others from 1988 through 2000.

MA/MS
East Carolina University
Marina Viscun, from 2005-2006
T.J. Bold, 2003-2004

Columbia University
Mark Nedlin, 2001-2003
Anna Abrams, 2002
Alexandra Mishina, 2002

4. Scholarly & Professional Activities related to proposed degree (with emphasis on the past five years)

a. Publications/Scholarly Activity related to proposed degree

2001-Present:


“Thinking about Aslund’s ‘Think Again’,,” Foreign Policy, November/December 2001, pp. 14-16.

“Does Russia have a Market Economy?” East European Politics and Societies, V. 15, #2, Summer 2001, pp. 289-316.


Prior to 2001:


“Self Evident Truths: The Challenge of Marketization,” The Harriman Institute Forum, V. 7, #1 and #2, September-October 1993, pp. 3-6.


**Book Reviews**

**2001-Present:**


**Prior to 2001:**


Unpublished Papers

**2001-Present:**


"Can the Peace Pipeline Really be a Road to Peace?" November 2007.


Prior to 2001:

“Notes on Value Transfer Through Barter,” preprocessed, April 1999.


“A Model of Soviet Enterprise Behavior,” preprocessed, September 1982


Current Research

Modeling adjustment processes during the post-Soviet transition, in particular – industrial restructuring

Analysis of transition problems and prospects of the Russian economy

Analysis of the “Theory of Moves” and its applications

Modeling economic decisions in a hazardous coastal environment

The dynamics of industrial structure – Markov Perfect Equilibrium Models


b. Status of Grants & Contracts submitted related to proposed degree (including agency names, years of funding, collaborative partners)

Prior to 2001:


NSF Grant #SES88-21722, with Dr. Ariel Pakes, University of Wisconsin, 1989 – 1991. $138,000 for research on modeling industry dynamics.

NSF Grant #SES85-20261, with Dr. Ariel Pakes, University of Wisconsin, 1986 – 1987. $105,000 for research on modeling industry dynamics.

NSF Grant #SES84-09893, 1984 – 1987. $57,000 for research on modeling plan implementation problems in the Soviet command economy.

NSF Grant #SES80-14296, 1980 – 1983. $46,000 for research on modeling central planning and plan implementation under uncertainty.


c. Invited research presentations outside ECU:

2001-Present:


"Can the Peace Pipeline Really be a Road to Peace?" Presented at the Third Harriman Institute Eurasian Pipelines Colloquium "The Pipeline Race to India and Pakistan -- Is the so-called Peace Pipeline Prospective Reality or Wishful Thinking?" at Columbia University, November 13, 2007.


"Eurasian Pipelines: The Political and Economic Gordian Knot for Russia and Kazakhstan?" Presented at the Second Harriman Institute Eurasian Pipelines Colloquium "Eurasian Pipelines and East Asia: A Path to Integration or A Marriage of Convenience?" on December 1, 2006.


Prior to 2001:


“A Model of Russia’s ‘Virtual Economy’.,” Presented at ASSA Meetings, 9 January 2000.


“Thoughts on the Economic Consequences of the Yeltsin Succession.” Presented at the Hoffman Memorial Seminar, 4 April 1997, at the Watergate hotel in Washington, DC.

“Investment and Industrial Restructuring in Transition Economies.” Presented to the UN DDSMS Interregional Workshop on Structural Investment Policy for Transition to a Market Economy, held in Almaty, Kazakhstan, on May 16-19, 1995.


5. Other

2001-Present:

Professor and Chair, Department of Economics, Thomas Harriot College of Arts and Sciences, East Carolina University, July 2003 – present.

Research Fellow, William Davidson Institute, University of Michigan, Fall 1997 – present.

Member, Board of Trustees and Executive Committee, EERC, Inc., July 2005 – present.

Chairman, International Advisory Board, EERC-Russia, July 2000 – present.

Member, International Advisory Board, EERC-Russia, December 1996 – present.


President-Elect, President, and Past President, Association for Comparative Economic Studies, 2001-3.

Economics Department Director of Graduate Studies (Ph.D. Program) at Columbia University from 1998-2003.

Visiting Professor, Kazakh National University, Almaty, Kazakhstan, March 2002.

Prior to 2001:

Director of Research, Council of Foreign Relations Russian Economic Task Force,

Visiting Professor, Urals State University, Ekaterinburg, Russia, April 1999 and March 2000.


Visiting Professor, William Davidson Institute, University of Michigan, January 1998.


Associate Professor, Department of Economics, Northwestern University, July 1983 – June 1985.

Visiting Associate Professor, Department of Economics, Yale University, January 1983 – May 1983.

Visiting Assistant Professor, Department of Economics, Northwestern University, January 1981–June 1981.

Assistant Professor, Department of Economics, Harvard University, January 1979 – June 1983.

Instructor, Department of Economics, Harvard University, July 1978 – December 1978.

Name: Andrew (Andrzej) Grodner

1. Rank: Assistant Professor

2. Degrees:
   - Ph.D., Economics, Syracuse University, 2004
   - M.A., Economics, Syracuse University, 2000
   - B.A., Economics, Warsaw University, Warsaw, Poland, 1996

3. Teaching Experience related to proposed degree (with emphasis on the past five years)
   a. Overall nature of workload assignments
      
      2004-2008
      Teaching 40%
      Research 50%
      Service 10%

   b. Courses:
      
      **Syracuse University**
      Applied Econometrics, 2003

      **East Carolina University**
      ECON2113 Principles of Microeconomics, Fall 2004-Fall 2006
      ECON5000 Advanced Topics in Poverty and Discrimination, Fall 2006
      ECON6302 Econometrics II, Spring 2005, 2006

   c. Graduate student supervisory experience (theses/dissertations):
      
      Xiangfang Liu, “A Ladder for the Insurance Underwriter,” Summer 2005

4. Scholarly & Professional Activities related to proposed degree (with emphasis on the past five years)
   a. Publications/Scholarly Activity related to proposed degree:
      


“Changing Income Inequality in OECD Countries: Updated Results from the Luxembourg Income Study” (LIS), (with Timothy M. Smeeding), In R. Hauser and I. Becker (eds.), *The Personal Distribution of Income in International Perspective*, Berlin, Germany: Springer-Verlag, 2000, pp. 205-224.

Submissions / Under Review

“Gender Earnings Differentials in Taiwan: A Stochastic Frontier Approach,” (with John A. Bishop, Haiyong Liu, and Jong-Rong Chiou).


b. Status of Grants & Contracts submitted related to proposed degree (including agency names, years of funding, collaborative partners):

   College Research Award, Thomas Harriot College of Arts and Sciences, Spring 2007.

c. Invited research presentations outside ECU:

   Warsaw Economic Meeting, Warsaw, Poland, 2006.


   Seventy Fifth Southern Economics Association Meeting, Washington, 2005


   Stata Corporation, College Station2004.


5. Other

Referee

*Journal of Human Resources*
*Southern Economic Journal*
*Journal of Economic Inequality*
*Journal of Public Economic Theory*
*Journal of Socio-Economics*
*Research on Economic Inequality*
Name: Mohammad Jahan-Parvar

1. Rank: Assistant Professor since August 2006

2. Degrees:
   - Ph.D., Economics, University of North Carolina-Chapel Hill, 2007
   - M.S., Statistics, University of North Carolina – Chapel Hill, 2003
   - M.S., Applied Economics, University of North Carolina-Chapel Hill, 1999
   - B.S., Economics, Beheshti University (National University of Iran), Tehran
     Highest Distinction (Summa cum Laude), 1997

3. Teaching Experience related to proposed degree (with emphasis on the past five years)
   a. Overall nature of workload assignments
      
      | Year     | Teaching | Research | Service |
      |----------|----------|----------|---------|
      | 2006-2008| 45%      | 45%      | 10%     |
   
   b. Courses:
      1. Graduate:
         1. Risk Management
         2. Econometrics 1
      2. Undergraduate:
         1. Intermediate Macroeconomics
         2. Introductory Macroeconomics
         3. Introduction to Financial markets an Instruments

c. Graduate student supervisory experience (theses/dissertations): n/a

4. Scholarly & Professional Activities related to proposed degree (with emphasis on the past five years)
   a. Publications/Scholarly Activity related to proposed degree:
      

   b. Status of Grants & Contracts submitted related to proposed degree (including agency names, years of funding, collaborative partners):
      
      University of North Carolina, Research Competitiveness Fund, summer of 2008, pending.

   c. Invited research presentations outside ECU:
Western Economics Association International, University of Wisconsin at Milwaukee, Southern Economic Association 2007


Financial Management Association, UNC –Chapel Hill, 2005

e. Participation in scholarly collaborations with other universities, laboratories, & centers:

   Ongoing project with professor Amarjit Budhiraja, department of statistics and operation research, UNC Chapel Hill

   Two projects with professor Ai-Ru Cheng, department of economics, UC Santa Cruz.

   A project with Professor A. Ronald Gallant, Fuqua School of Business, Duke University.

   Two projects with Professor Hassan Mohammadi, department of economics, Illinois State University.

f. Service on related state/national/international boards or committees: n/a

5. Other:

   Session Organizer and chair for Western Economic Association International 2007.
Name:  **Jamie Lynette Brown Kruse**

1. Rank:  Professor

2. Degrees:

   Ph.D., Economics, University of Arizona, 1988  
   M.S., Agricultural Economics, Colorado State University, 1983  
   B.S., with Distinction, Ag Honors, University of Nebraska, 1979

3. Teaching Experience related to proposed degree (with emphasis on the past five years)

   a. Overall nature of workload assignments

   2004-2008
   Teaching  15.3%
   Research  30.6%
   Service   5.1%
   Hazard Center Director  49.0%

   b. Courses:

   **2001-Present:**

   **East Carolina University**
   Spring 2008  ECON3144 Intermediate Micro Theory  
   Fall 2006  ECON6000/002 Graduate Topics: Research Methods for Coastal Issues  
   Spring 2006  ECON6000/002 Advanced Topics: Hazards & Risk Management  
   Fall 2005  ECON6401 Microeconomic Theory I  
   Spring 2005  ECON5910 Health Economics  
   Fall 2004  ECON6401 Microeconomic Theory I

   **Texas Tech**
   Economics of Wind Damage and Risk Management (Ph.D level)  
   Experimental and Behavioral Economics (Ph.D. level)  
   Health Care Economics (Masters, MD-MBA, and Ph.D. level)  
   Microeconomic Theory (Ph.D. level)  
   Intermediate Microeconomic Theory (undergraduate level)

   **Prior to 2001:**

   **University of Colorado-Boulder**
   Industrial Organization I & II (Ph.D. level)  
   Quantitative Analysis (Ph.D. level)  
   Mathematical Economics (undergraduate level)  
   Intermediate Microeconomic Theory (undergraduate level)
c. Graduate student supervisory experience (theses/dissertations):

   East Carolina University
   Paul Hindsley, Ph.D., in progress, committee member “Discrete Choices in Coastal Environments: Three Empirical Applications of Random Utility Models.”

   Jens Schubert, MA 2006 “Lifetime Portfolio Selection: Theory and Experiment.”

   Texas Tech
   Committee Chair


   Alper Altinanahtar, “Analysis of a Market for Transplantable Organs,” Ph.D. Economics 2004. Assistant Professor Yeditepe University, Istanbul, Turkey


   Committee Member
   Andrea Gamret, Ph.D. Wind Science and Engineering, Texas Tech University, in progress.

   Maribel Martinez, Ph.D. Wind Science and Engineering, Texas Tech University, in progress.


Prior to 2001:


4. Scholarly & Professional Activities related to proposed degree (with emphasis on the past five years)

a. Publications/Scholarly Activity related to proposed degree:

**Editorial Activity**


**Academic Publications**

**Forthcoming**


“Spatial dependencies in Wind-Related Housing Damage,” with D. De-Silva and Y. Wang, *Natural Hazards*.


**2001 - Present:**


Prior to 2001:


Other Publications


b. Status of Grants & Contracts submitted related to proposed degree (including agency names, years of funding, collaborative partners)

2001-Present:

National Science Foundation, “enabling the Next Generation of Hazards and Disasters Researchers,” mentoring panel member, $1,000 honorarium, total grant $251.012. 2008-2010.


RENCI@East Carolina University, Coastal Systems Informatics and Modeling (C-SIM) Cooperative Agreement with Renaissance Computing Institute, Principal Investigator, Program Director, total support $1.7 mil, 2006-2009.


National Science Foundation, #0553108, “Collecting Economic Impact Data: Implications for Disaster Areas and Host Regions,” Principal Investigator, $29,881, 2005-2006.


Federal Deposit Insurance Corporation, “Natural Disasters and Bank Performance,” total support $10,000, 2005-2006.


National Institute of Standards and Technology/Texas Tech University Cooperative Agreement, Wind Mitigation Initiative Year 6, total support $2.36 million, Principal Investigator for Research Thrust C: Windstorm Economics ($218,015), 2003-2004.


Prior to 2001:

National Science Foundation, Natural and Technological Hazard Mitigation Program, Cooperative Program in Wind Engineering, Co-Principal Investigator, $20,000, 1999-2000.

National Institute of Standards and Technology/Texas Tech University Cooperative Agreement, Wind Mitigation Initiative Year 2, total support $1.2 million, Principal Investigator for Research Thrust C: Windstorm Economics, ($147,824), 1999-2000.


National Science Foundation, Natural and Technological Hazard Mitigation Program, Cooperative Program in Wind Engineering, Co-Principal Investigator, total support $350,000, (15%) $52,500, 1998-9.


National Science Foundation, Natural and Technological Hazard Mitigation Program, Cooperative Program in Wind Engineering, Co-Principal Investigator, total support $320,000, (15%) $50,000, 1997-8.

Texas Tech Teaching Learning and Technology Center Faculty Incentive Grant, “Experimental Economics in the Classroom: Experiential Learning Modules,” total support $5,000, 1997-98.


c. Invited research presentations outside ECU:

2001- Present:


Texas Tech University, Wind Science and Engineering Seminar, Lubbock, TX November 2007.
National Science Foundation HSD PI’s meeting, Arlington, VA October 2007.

Hazards and Disaster Researchers’ Meeting, Boulder, CO, July 2007.

Texas Tech University, MBA Program for Physicians, Lubbock, TX, March, 2007.


Texas A&M, College Station, TX. Departmental Seminar, October 2006.

Hazards and Disasters Researchers Meeting, Boulder, CO. July 2006.

University of Tennessee, Knoxville, TN. Departmental Seminar, January 2006.

American Economic Association Meetings, Boston, MA, January 2006.


Experimental Economics and Public Policy Workshop, Appalachian State University, Boone, NC, April 2005.

University of Nebraska, Lincoln, NE, Economics Department Visiting Scholar Series, March 2005.


Southern Economic Association Meetings, San Antonio, TX, November 2003.

University of Oklahoma, Norman, OK, Departmental Seminar, March 2003.


Baylor University, Waco, TX, Economics Departmental Seminar, October 2002.


University of Fribourg, Switzerland, Economics Seminar, February 2002.

University of Zurich, Switzerland, Economics Seminar, December 2001.


**Prior to 2001:**


TAAC Meeting, Cooperative Project in Wind Engineering, Fort Collins, CO, October 1997.

Cooperative Project in Wind Engineering, Co-PI’s Meeting, Baltimore, MD, June 1997.


Economics/Ag Economics Joint Seminar, Texas Tech University, Lubbock, TX, October 1996.


e. Participation in scholarly collaborations with other universities, laboratories, & centers:

Research Associate Wind Science and Engineering Research Center, Texas Tech University.

f. Service on related state/national/international boards or committees:

Site Visit Team, National Science Foundation, Engineering Directorate, Engineering Research Center of Excellence, March 2008.


Executive Committee, North Carolina Institute for Disaster Studies, 2005-present

National Steering Committee, Hazards and Disasters Researchers Meeting, Boulder, CO 2006-present.

Panelist, National Science Foundation, Integrative Graduate Research and Education Traineeship Program (IGERT), 2005.

Panelist, National Science Foundation, Human and Social Dynamics, 2005.

Recruiting Director, Multidisciplinary Graduate Program in Wind Science and Engineering, 2002-2004.


5. Other:

Reviewer/Referee

National Science Foundation

Canadian Journal of Economics
Economic Inquiry
Energy Journal
Environmental and Resource Economics
International Conference on Wind Engineering Proceedings
International Journal of Game Theory
International Journal of Industrial Organization
Journal of Economic Behavior and Organization
Journal of Economic Education
Journal of Economic Psychology
Journal of Economics and Management Strategy
Journal of Environmental Economics and Management
Journal of Forensic Economics
Journal of Money Credit and Banking
Journal of Risk and Insurance
Physica A
Research in Experimental Economics
Resource and Energy Economics
Risk Analysis
Southern Economic Journal
Weather and Forecasting
Wildfire and Fuels Management: Risk and Human Response (edited volume)
Name: **Craig E. Landry**

1. **Rank:** Assistant Professor

2. **Degrees:**
   - Ph.D., Environmental and Resource Economics, University of Maryland, 2004
   - M.S., Environmental and Resource Economics, University of Maryland, 2002
   - M.S., Agricultural Economics, University of Georgia, 1999

3. **Teaching Experience related to proposed degree (with emphasis on the past five years)**
   a. **Overall nature of workload assignments**
      
      2003-2008
      - Teaching 40%
      - Research 50%
      - Service 10%

   b. **Courses:**
      - ECON 6000 Advanced Topics: Advanced Economics I, 2005-2006
      - ECON 6402 Microeconomics Theory II, 2004 - 2008
      - ECON 5000 Advanced Topics: Coastal Resource Economics, Fall 2004

   c. **Graduate student supervisory experience (theses/dissertations):**
      - **Committee Chair**
        Paul Hindsley (PhD Candidate in Coastal Resources Management): “Applications of the Random Utility Model to Coastal Resource Management,” current
      - **Committee Member**
        Daniel Haught (MS in Sociology): “Hurricanes and Vulnerable Populations,” 2004
        Calvin Mires (PhD Candidate in Coastal Resources Management): “Valuing Maritime Heritage,” current
        Jennifer Cobb (PhD Candidate in Coastal Resources Management): “State Laws Governing Submerged Cultural Resources,” current
4. Scholarly & Professional Activities related to proposed degree (with emphasis on the past five years)

a. Publications/Scholarly Activity related to proposed degree:


Current Projects/Working Papers

Flood Insurance Coverage in the Coastal Zone (with Mohammad Jahan-Parvar)

The Hidden Costs of Control: Evidence from a Natural Field Experiment (with Andreas Lange, John A. List, Michael K. Price, and Nicholas G. Rupp)

Riparian Buffers and Hedonic Prices: A Quasi-Experimental Analysis of Residential Property Values in the Neuse River Basin (with Okmyung Bin and Gregory F. Meyer)

Optimal Beach Erosion Management

Anchors Away: Field Experiments on Anchoring of Consumer Valuations (with Jonathan Alevy and John A. List)

Evaluating Preferences for Rebuilding New Orleans after Hurricane Katrina (with Okmyung Bin, Jamie Kruse, Harold Stone, John Whitehead, and Kenneth Wilson)

Amenity Valuation in Simultaneous Hedonic Property Markets: An Exploration of the Implications of Second Homeownership

Valuing Coastal Resource Quality with Hedonic Property Models (with Paul Hindsley)

A Semi-Parametric Estimator for Revealed and Stated Preference Data Collected via Onsite Sampling (with Haiyong Liu)

Valuing Submerged Marine Cultural Resources (with Michael Dermody, Calvin Mires, Nathan Richards, and Bradley Rogers)

Natural Hazards and Human Dynamics (with Tom Crawford, Jeff Johnson, and Jamie Kruse)
Coastal Development and Perceptions of Natural Hazards Risk (with Okmyung Bin, Tom Crawford, Richard Ericson, Paul Hindsley, Jamie Kruse, and Kenneth Wilson)

Correcting for Choice-based Sampling in the Marine Recreational Fishing Statistical Survey Data (with Brad Gentner and Paul Hindsley)

An Experimental Test of the Theory of Moves: Who Thinks Like ToM? (with Richard Ericson, Jamie Kruse, Haiyong Liu, and Lester Zeager)

b. Status of Grants & Contracts submitted related to proposed degree (including agency names, years of funding, collaborative partners):

**Current Grants:**

2008 – Appalachian State University Energy Research Council “Evaluating Preferences for Wind Turbines: An Application of Visualization Wall Technology” with Tom Allen, Todd Cherry, and John Whitehead ($39,000)

2007 – North Carolina Research Competitiveness Grant “North Carolina Coastal Hazards: Economic Implications for Severe Storms and Sea Level Rise—Flood Insurance Coverage in the Coastal Zone” with Mohammad Jahan-Parvar ($25,000)

2007 – East Carolina University Coastal Maritime Council “Hazard Management Scenarios for Coastal Communities” with Tom Allen, Paul Gares, and Dan Marcucci ($20,000)

2007 – East Carolina University Faculty Senate Research/Creative Activity Grants “Assessing Coastal Risk Exposure using Extreme Value Theory” with Mohammad Jahan-Parvar ($22,500)

2007 – North Carolina Sea Grant Fisheries Research Grant “Recreation Value and Economic Impacts of the North Carolina For-Hire Recreational Fishing Fleet” with Chris Dumas, Tim Hatcher, Jim Herstine, Rom Whitaker, and John Whitehead ($75,000)

2006 – North Carolina Renaissance Computing Initiative (RENCI): “Natural Hazards and Human Dynamics” with Tom Crawford, Jeff Johnson, and Jamie Kruse ($200,000)

2006 – East Carolina University Division of Research and Graduate Studies Research Development Grant: “The Ferrous Shipbuilding Tradition: A Comparative Nautical Anatomy” with Nathan Richards, Michael Dermody, and Bradley Rogers ($40,000)


2005 – East Carolina University Division of Research and Graduate Studies Seed Grant: “Spatial, Environmental and Behavioral Determinants of Valuation of Coastal Erosion Risk” with Jamie Kruse, Okmyung Bin, and Tom Crawford ($30,000)

c. Invited research presentations outside ECU:
“Flood Insurance Coverage in the Coastal Zone” (with Mohammad Jahan-Parvar)
Department of Agricultural and Applied Economics, University of Georgia (scheduled 17 April 2008): Athens, GA


“Amenity Valuation in Simultaneous Hedonic Property Markets: An Exploration of the Implications of Second Homeownership” Department of Agricultural Economics, Mississippi State University (November 2007): Starkville, MS

“Anchors Away: Field Experiments on Anchoring of Consumer Valuations” (with Jonathan Alevy and John A. List) Department of Economics, University of Tennessee (October 2007): Knoxville, TN


“Homeowner Preferences regarding Risk and Amenities: Applications of the Hedonic Price Method in Coastal Areas” Living Shorelines Summit Virginia Institute of Marine Sciences - College of William and Mary (6 December 2006): Williamsburg, VA.


“Preference Stability and Market Experience: An Experimental Analysis of Anchoring in the Field” (with Jonathon Alevy and John A. List) Department of Business and Economics Appalachian State University (13 October 2006): Boone, NC.


“Simultaneous Hedonic Property Markets” (with Okmyung Bin) Camp Resources XIII (12 August 2005): Wilmington, NC.


“The Economics of Beach Erosion Management” North Winyah Bay Estuarine Reserve Coastal Training Program (7 April 2004): Georgetown, SC.

“Optimal Management of Coastal Erosion on Barrier Islands, with Application to Sea Level Rise” Camp Resources XI (13 August 2003): Wilmington, NC.

e. Participation in scholarly collaborations with other universities, laboratories, & centers:

Appalachian State University
University of Chicago
University of Maryland
University of Nevada-Reno
National Oceanic and Atmospheric Administration

5. Other:

Member
American Agricultural Economics Association
Association of Environmental and Resource Economists
European Association of Environmental and Resource Economists
Southern Economic Association

Reviewer/Referee
American Journal of Agricultural Economics
Coastal Management Journal
Environmental and Resource Economics (5)
Experimental Economics
Fishery Bulletin
Human Organization
Journal of Agricultural and Applied Economics
Journal of Agricultural and Resource Economics
Journal of the American Water Resources Association
Journal of Environmental Economics and Management (7)
Journal of Public Economics
Journal of Regional Science
Journal of Risk and Insurance (2)
Marine Resource Economics
Research on Economic Inequality
Sea Grant – Delaware
Southern Economic Journal
Name: Xuan Liu

1. Rank: Assistant Professor since August 2007

2. Degrees:
   - Ph.D., Economics, Duke University, NC, 2007
   - M.P.P, College of William and Mary, Virginia, 2002
   - B.E., Economics, Peking University, Beijing, 1995

3. Teaching Experience related to proposed degree
   a. Overall nature of workload assignments
      
      2007-2008
      Teaching  50%
      Research  40%
      Service   10%
   
   b. Courses: currently developing courses of advanced macroeconomics, covering topics in business cycles, and monetary and fiscal policies (proposed for 6000 level), with a view towards expanding the courses to turn into 7000 or 8000 level courses.

   c. Graduate student supervisory experience (theses/dissertations): n/a

4. Scholarly & Professional Activities related to proposed degree (with emphasis on the past five years)
   a. Publications/Scholarly Activity related to proposed degree:

      Current Working Papers

      "Optimal and Time Consistent Monetary and Fiscal Policy in a Small Open Economy", Fall 2007.

      "Trade Openness and the Costs of Sudden Stops", Spring 2008.


"Is Surprise Inflation A Choice?" with Randall Parker, 2008.

b. Status of Grants & Contracts submitted related to proposed degree n/a.

c. Invited research presentations outside ECU:  
   North American Summer Meeting of the Econometric Society, 2007

d. Patents/disclosures/copyrights: n/a

e. Participation in scholarly collaborations with other universities, laboratories, & centers: a working paper and a work in progress in collaboration with Mattia Landoni (IMF).

f. Service on related state/national/international boards or committees: n/a

5. Other:

   Referee for Southern Journal of Economics.
Name: **Haiyong Liu**

1. Rank: Assistant Professor

2. Degrees:
   - Ph.D., Economics, University of North Carolina-Chapel Hill, 2003
   - B.S., Economic Geography, Peking University, Beijing, China, 1996

3. Teaching Experience related to proposed degree (with emphasis on the past five years)
   a. Overall nature of workload assignments
      
      **2003-2008**
      Teaching 40%
      Research 50%
      Service 10%

   b. Courses:
      
      ECON 6302 Econometrics II, Spring 2007-2008
      ECON 5000 SAS Programming, Fall 2003-2006

   c. Graduate student supervisory experience (theses/dissertations):
      
      Fang Qian, "Earnings Benefit and Party Membership in Urban China," 2005

4. Scholarly & Professional Activities related to proposed degree (with emphasis on the past five years)
   a. Publications/Scholarly Activity related to proposed degree:
      
      **2001-Present:**


Prior to 2001:


b. Status of Grants & Contracts submitted related to proposed degree (including agency names, years of funding, collaborative partners):

“School Choice, Maternal Employment and Child Achievement.”, Co-Pl (subcontract with Wilbert van der Klaauw, and Thomas Mroz, Department of Economics, UNC Chapel Hill), July 1, 2006-June 30, 2009. NIH/NICHD (1R01HD047213-01A2); funded $890,000

“Childhood Obesity and Poverty”, IRP-USDA Small Grant, July 2005-December 2006; funded $30,000

East Carolina University Research Development Grant, May 2005-December 2006; funded $14,500

“Publicly Provided Health Insurance, Maternal Employment, and Child Health,” Association for Public Policy and Management (APPAM), June 2004-December 2005; funded $20,000

c. Invited research presentations outside ECU:


Twelfth Society of Labor Economists meetings in Chicago, May 2007, ”Federal Aid and College-Going Behavior”
University of Colorado at Denver, February 2007, “Federal Aid and College Enrollment Decisions”


e. Participation in scholarly collaborations with other universities, laboratories, & centers:

Housing and Non-housing Consumption over the Life Cycle: A Structural Estimation (joint with Wenli Li (Federal Reserve Bank of Philadelphia) and Rui Yao (CUNY Baruch)), May 2007-present

China’s Nutrition Intake Inequality: 1989-2004 (with John Bishop and Buhong Zheng (University of Colorado at Denver)), December 2006-present

Gender Earnings Differentials in Taiwan: A Stochastic Frontier Approach (with John Bishop, Andrew Grodner, and Jong-Rong Chiou (Tamkang University, Taiwan)), October 2006-present

Federal Aid and College Enrollment Decisions (with Wilbert van der Klaauw (Federal Reserve Bank of NY)) February 2005-present

Early Life Health Outcomes and School Entry Progression in Cebu (With Tom Mroz (UNC-CH), Linda Adair (UNC-CH), Tetyana Shvydko (UNC-CH), and Yaraslau Zayats (UNC-CH)) July 2005-present
5. Other

Referee

Journal of Labor Economics
Journal of Business & Economic Statistic
International Economic Review
Journal of Econometrics
Southern Economic Journal
Name: Randall E. Parker

1. Rank: Professor

2. Degrees:
   
   Ph.D. University of Kentucky, 1986
   MS University of Kentucky, 1984
   BS Northern Illinois University, 1982

3. Teaching Experience related to proposed degree (with emphasis on the past five years)

   a. Overall nature of workload assignments:

      2001-2008
      Teaching  45%
      Research  45%
      Service  10%

   b. Courses:

      ECON5501 Macroeconomic Theory, Spring 2002 – Spring 2008

   c. Graduate student supervisory experience (theses/dissertations):

      2001-Present:

      Charlene Bright “An Examination of Monetary Asymmetry Using Divisia Index Data,” 2001

      Prior to 2001:


4. Scholarly & Professional Activities related to proposed degree (with emphasis on the past five years)

   a. Publications/Scholarly Activity related to proposed degree:

      Books and Manuscripts


Articles

2001-Present:


Prior to 2001:


**Book Reviews**


b. Status of Grants & Contracts submitted related to proposed degree (including agency names, years of funding, collaborative partners):

“Post-WWII Generation Economists and the Economics of the Interwar Era,” Harriot College Research Award, East Carolina University, Spring 2005.


c. Invited research presentations outside ECU:


5. Other

**Referee**

*Journal of Money, Credit and Banking*
*Journal of Macroeconomics*
*Economic Inquiry*
*Southern Economic Journal*
*Journal of Economics and Business*
*Growth and Change*
Name: Philip A. Rothman

1. Rank: Professor

2. Degrees:
   - Ph.D., New York University, 1990
   - B.A., University of Pennsylvania, 1982

3. Teaching Experience related to proposed degree (with emphasis on the past five years)
   a. Overall nature of workload assignments
      
      | 2001-2008 |        |
      |          | 45%    |
      | Teaching |        |
      | Research | 45%    |
      | Service  | 10%    |

   b. Courses:
      - ECON 5000 Advanced Topics, Time Series, Spring 2002
      - ECON 6390 Graduate Research, Spring 2003
      - ECON 6302 Econometrics II, Spring 2004
      - ECON 5501 Macroeconomic Theory, Spring 2005
      - ECON 6390 Graduate Research, Spring 2006
      - ECON 6390 Graduate Research, Spring 2007
      - ECON 6390 Graduate Research, Spring 2008

   c. Graduate student supervisory experience (theses/dissertations):
      
      **2001-Present:**

      Jingyi Chen, “Do Financial Market Variables Predict Unemployment Rate Fluctuations?” 2002


      **Prior to 2001:**


      Dewey Hales, “Does the Volatility of Economic Variables Change Over the Business Cycle?” 1999

3. Scholarly & Professional Activities related to proposed degree (with emphasis on the past five years)
a. Publications/Scholarly Activity related to proposed degree:

Editorial Positions


Associate Editor, *Studies in Nonlinear Dynamics and Econometrics*, 2001- present.

Publications

2001-Present:

“Reconsideration of the Markov Chain Evidence on Unemployment Rate Asymmetry,” forthcoming in *Studies in Nonlinear Dynamics and Econometrics*.


Prior to 2001:


c. Invited research presentations outside ECU:

2001-Present:


Presented paper titled “Multivariate STAR Unemployment Rate Forecasts” at 12th Symposium of the Society for Nonlinear Dynamics and Econometrics, Erasmus University, Rotterdam, June 4, 2007.


Presented paper titled “Multivariate STAR Unemployment Rate Forecasts” at 12th Symposium of the Society for Nonlinear Dynamics and Econometrics, Rutgers University, Michigan State University, December 12, 2006.

Presented paper titled “Multivariate STAR Unemployment Rate Forecasts” at 12th Symposium of the Society for Nonlinear Dynamics and Econometrics, Michigan State University, October 13, 2006.


Presented paper titled “Multivariate STAR Unemployment Rate Forecasts” at Loughborough University, October 14, 2003.

Presented paper titled “Multivariate STAR Unemployment Rate Forecasts” at City University (London), October 15, 2003.


Prior to 2001:


5. Other:

Reviewer/Referee

- National Science Foundation.
- American Economic Review.
- Applied Economics.
- Applied Financial Economics.
- Eastern Economic Journal.
- Economic Inquiry.
- Economic Journal.
- Empirical Economics.
- Financial Review.
- International Economic Review.
- International Journal of Forecasting.
- Journal of Applied Econometrics.
- Journal of Economic Dynamics and Control.
Journal of Economics.
Journal of Economics Behavior and Organization.
Journal of Econometrics.
Journal of Macroeconomics.
Journal of Money, Credit, and Banking.
Macroeconomic Dynamics.
Quarterly Journal of Business and Economics.
Review of Regional Studies.
Southern Economic Journal.
Studies in Nonlinear Dynamics and Econometrics.
Western Political Quarterly.
Name: **Nicholas G. Rupp**

1. Rank: Associate Professor

2. Degrees:
   - Ph.D., Economics, Texas A&M University, 2000
   - B.A., Economics, University of North Carolina-Chapel Hill, 1981

3. Teaching Experience related to proposed degree (with emphasis on the past five years)
   a. Overall nature of workload assignments
      
      | Year   | Teaching | Research | Service |
      |--------|----------|----------|---------|
      | 2001-2008 | 40%      | 50%      | 10%     |
      
   b. Courses:
      
      - ECON6401 Microeconomic Theory I, Fall 2003, Fall 2007
      - ECON5000 Advanced Topics in Industrial Organization, Spring 2006
      - ECON5000 Advanced Topics in Industrial Organization, Spring 2005
      - ECON5000 Advanced Topics in Industrial Organization, Spring 2004
      - ECON5000 Advanced Topics in Industrial Organization, Spring 2003
      - ECON5000 Advanced Topics in Industrial Organization, Spring 2002

c. Graduate student supervisory experience (theses/dissertations):
   - Tejahsree Sayanak, “Do Low Cost Carriers Provide Low Quality Service?” 2004

4. Scholarly & Professional Activities related to proposed degree (with emphasis on the past five years)
   a. Publications/Scholarly Activity related to proposed degree:
      
      


“Friendly Competition: Does the Presence of Charters Spur Public Schools to Improve?”, (with George M. Holmes and Jeff DeSimone), Education Next, Winter 2006, pp. 67-70.


b. Invited research presentations outside ECU:

Conference Presentations

2001- Present:


International Industrial Organization Conference, Boston, MA, April 2006.


AGIFORS Airline Operations Conference, Mainz, Germany, May 2005.
International Industrial Organization Conference, Atlanta, GA, April 2005, organized and chair of two airline sessions.


International Industrial Organization Conference, Chicago, IL, April 2004, also chairperson.


Prior to 2001:


University Presentations

2001- Present:

University of California Irvine, Irving, CA 2006.

Social Science Research Center Berlin (WZB), Berlin, Germany 2005.

Appalachian State University, Boone, NC 2002.

Prior to 2001:

Valdosta State University, Valdosta, GA 2000.

Louisiana Tech University, Ruston, LA 1999.

Texas A&M University, College Station, TX 1999.

University of St. Thomas, Minneapolis, MN 2000.

Virginia Commonwealth University, Richmond, VA 1999.

c. Participation in scholarly collaborations with other universities, laboratories, & centers:


5. Other:

Reviewer/Referee
American Economic Review
National Science Foundation
Eastern Economic Journal
Economic Inquiry
Journal of Economics and Business
Journal of Urban Economics
International Journal of the Economics of Business
Review of Industrial Organization
Southern Economic Journal.
Name:  **Lester A. Zeager**

1. Rank:  Professor

2. Degrees:
   - Ph.D., Economics, University of Pittsburgh, 1987
   - B.A., Economics, Millersville State College, 1981

3. Teaching Experience related to proposed degree (with emphasis on the past five years)
   a. Overall nature of workload assignments
      
      | Year       | Teaching | Research | Service |
      |------------|----------|----------|---------|
      | 2001-2008  | 40%      | 40%      | 20%     |

   b. Courses:
      - ECON5000  Economic Growth, Spring 2007
      - ECON5360  Math Economics, Fall 2006
      - ECON5150  Development Economics, Spring 2006
      - ECON5360  Math Economics, Fall 2005
      - ECON5000  Economic Growth, Spring 2005
      - ECON5360  Math Economics, Fall 2003
      - ECON5000  Economic Growth, Spring 2003
      - ECON6401  Microeconomic Theory I, Fall 2002
      - ECON6401  Microeconomic Theory I, Fall 2001
      - ECON5000  Economic Growth, Spring 2008

   c. Graduate student supervisory experience (theses/dissertations):
      **MA Thesis Chair**

      **MA Thesis Committee Member**
      Adam Driscoll (Sociology), Economic Efficiency Leads to Environmental Inequality in North Carolina’s Hog Industry, 2007

      Jacob M. Betz (History), A Tactical Reactionary: Andrew Furuseth and the 1915 La Follette Seamen’s Act, 2005.


4. Scholarly & Professional Activities related to proposed degree (with emphasis on the past five years)

a. Publications/Scholarly Activity related to proposed degree:

**2001- Present:**


**Prior to 2001:**


b. Status of Grants & Contracts submitted related to proposed degree

**Funded Prior to 2001:**

“Interpreting Cuban Refugee Crises as Games of Strategic Interaction,” East Carolina University, Research/Creative Activity Grant, Summer 2000, $10,853.

“Earnings Paths for Immigrants and Native Workers: A Longitudinal Analysis,” East Carolina University, Research/ Creative Activity Grant, Summer 1997, $7,500.

“How do Food Expenditures and Nutrition Status Respond to a Conversion from Food Coupons to Cash Assistance?” University of North Carolina - Institute of Nutrition, 1995, co-investigator with John Bishop, $1,100.

“Distributional Implications of Alternative Environmental Protection Policies: A CGE Analysis,” East Carolina University, Summer Stipend from the Vice Chancellor of Academic Affairs, Summer 1994, $6,612.

“Food Stamp Program vs. Nutrition Assistance Program: Implications for Undernutrition,” East Carolina University, Summer Stipend from the Vice Chancellor of Academic Affairs, Summer 1993, $6,612.


“Relative Undernutrition among Potential Food Stamp Recipients,” East Carolina University, Summer Stipend from the Vice Chancellor of Academic Affairs, Summer 1991, $6,238.

c. Invited research presentations outside ECU:

**2001 - Present:**


Prior to 2001:


5. Other:

Referee

Conflict Management and Peace Science
International Studies Quarterly
Journal of Conflict Resolution
Journal of Economic Education
Journal of Economic Inequality
Journal of Regional Science
Research on Income Inequality
Sociological Perspectives
World Bank Economic Review