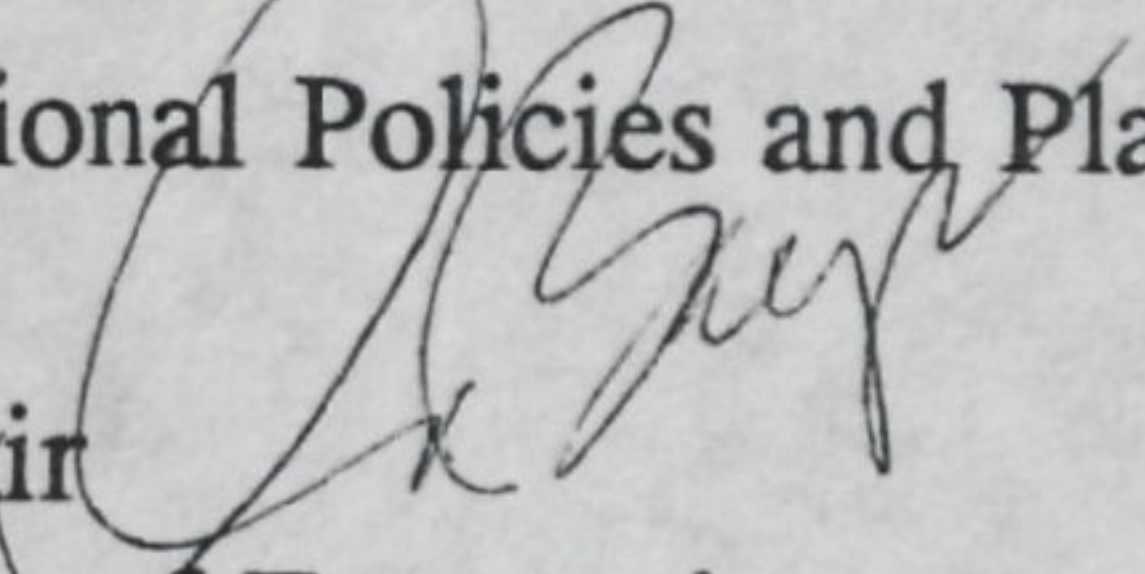


approved by EPPC: 5-24-94
approved by Faculty Senate
~~Attachment 2.~~
9-13-94

Department of Economics
Brewster Building

919-757-6006
919-757-6743 Fax

TO: Members, Educational Policies and Planning Committee

FROM: Carson Bays, Chair 
Department of Economics

RE: May 17, 1994

DATE: Attached Request for Permission to Establish the MS in
Resource Economics

I attach sixteen copies of the complete document. This proposal has been reviewed and approved by the Graduate Council and the Graduate Curriculum Committee. The seventeen new courses which have been developed to support the program have also been reviewed and approved by the appropriate curriculum committees.

REQUEST FOR AUTHORIZATION TO ESTABLISH A NEW DEGREE PROGRAM
THE UNIVERSITY OF NORTH CAROLINA

Date: May 17, 1994

Constituent Institution: East Carolina University

API Discipline Specialty Title: Economics
API Discipline Specialty Number: 2204

Program Track: Master of Science in Resource Economics

I. DESCRIPTION OF THE PROGRAM

- A. The proposed degree program is a two-year master of science degree in Resource Economics. It applies the analytical framework of modern economic theory and the quantitative skills of applied econometrics to the issues of: coastal resources, including coastal natural resources such as fisheries; health care; and regional economic issues such as poverty and regional development. The program builds on the existing research strengths of the Department of Economics faculty in the applied microeconomic analysis of these issues.
- B. The educational objectives of the program are to train students in those aspects of neoclassical economic theory and econometric technique which are most pertinent to the analysis of issues of resource economics. Students will acquire a general knowledge of macroeconomic theory and a more detailed knowledge of microeconomic theory and its applications to resource issues. Courses in econometrics and research methodology also will provide the bases for applied research in the economics of coastal resources, health care, and poverty and regional development.
- C. There is no direct overlap with any program currently offered at East Carolina University. All courses will be taught by members of the Economics Department.

There are five current graduate programs at East Carolina University which deal indirectly with topics related to those of the proposed MS in Resource Economics:

The Center on Aging offers a Certificate in Gerontology which involves 21 semester hours of graduate work in aging studies.

The Department of Environmental Health offers a 34 semester-hour MS which may include a focus upon environmental health management.

The Department of ~~Geography~~ offers an MA with Planning Concentration, a 39 semester-hour program which permits specialization in urban and regional planning.

The Department of Geology offers a MS in Geology which may include courses on the impact of growth upon coastal resources and environment.

The Department of Political Science offers a master of public administration of 45 semester hours which may include specializations in planning (with the Department of Geography) or in community health administration (with the Department of Community Health).

None of these programs approach the issues of coastal resources, health economics, and poverty and regional development from an economic perspective. Such an approach will be complementary to those taken by current programs which deal indirectly with these issues.

East Carolina University soon will seek planning authorization for a Ph.D. in Coastal Resources Management. Students from that program would likely enroll in some core and elective courses within the Economics Department, but the proposed MS in Resource Economics is not dependent upon such participation.

- D. There are five masters level economics degree programs now offered by other universities in North Carolina. All are west of East Carolina.

<u>University</u>	<u>Distance from East Carolina University in Miles</u>
Duke University (Durham)	110
North Carolina State University (Raleigh)	87
UNC at Chapel Hill	126
UNC at Charlotte	233
UNC at Greensboro	165

- E. The following master's programs in Economics are highly regarded within the profession. Although none of these programs have a specific emphasis upon resource economics, they each have a general emphasis upon applied theory:

The University of Delaware (Newark, DE)

Auburn University (Auburn, AL)

George Mason University (Fairfax, VA)

Miami University (Oxford, OH).

F. The following induced work-load matrices reflect projections of the impacts of the introduction of the proposed program upon enrollments for the first four years of the program, 1995-1999. Estimated enrollments for the year prior to introduction of the program are included as baseline data. The projections are based upon the following assumptions:

1. The first-year admissions of eight students will increase to the planned maximum of fifteen at year 3;
2. The annual cohort survival rate will be 75 percent;
3. The program will therefore reach its steady state enrollment of twenty-six during the year 4.

**Projected Induced Work
Load Matrix, 1994-95 (Baseline Year)
(FTE Faculty = 12)**

Course Level Program	1000-2000	3000-4000	Total Student Credit Hours
General College	5751	252	6003
Majors/ Minors	51	948	999
Other	450	450	900
Total Student Credit Hours	6252	1650	7902

(Other matrices on following pages)

G. The proposed program focuses applications of neoclassical economic theory to the issues of marine and coastal resources, health economics, and regional economics. It differs from each of the programs listed in Section D above in important details.

Projected Induced Work
Load Matrix, 1995-96 (First Year of Graduate Program)
(FTE Faculty = 12)

Course Level Program	1000-2000	3000-4000	5000-6000	Total Student Credit Hours
General College	5751	252	0	6003
Majors/Minors	51	708	240	999
Other	450	420	30	900
Graduate	0	24*	144	168
Total Student Credit Hours	6252	1404	414	8070

(* first-year graduate enrollment in undergraduate courses to correct deficiencies)

Projected Induced Work
Load Matrix, 1996-97 (Second Year of Graduate Program)
(FTE Faculty = 13)

Course Level Program	1000-2000	3000-4000	5000-6000	Total Student Credit Hours
General College	5751	252	0	6003
Majors/Minors	51	708	240	999
Other	450	420	30	900
Graduate	0	24*	306	330
Total Student Credit Hours	6252	1404	576	8232

(* first-year graduate enrollment in undergraduate courses to correct deficiencies)

Projected Induced Work
Load Matrix, 1997-98 (Third Year of Graduate Program)
(FTE Faculty = 13)

Course Level Program	1000-2000	3000-4000	5000-6000	Total Student Credit Hours
General College	5751	252	0	6003
Majors/ Minors	51	708	240	999
Other	450	420	30	900
Graduate	0	24*	405	429
Total Student Credit Hours	6252	1404	675	8331

(* first-year graduate enrollment in undergraduate courses to correct deficiencies)

Projected Induced Work
Load Matrix, 1998-99 (Fourth Year of Graduate Program)
(FTE Faculty = 13)

Course Level Program	1000-2000	3000-4000	5000-6000	Total Student Credit Hours
General College	5751	252	0	6003
Majors/ Minors	51	708	240	999
Other	450	420	30	900
Graduate	0	24*	435	459
Total Student Credit Hours	6252	1404	705	8361

(* first-year graduate enrollment in undergraduate courses to correct deficiencies)

North Carolina State University offers Master's degrees in Agricultural Economics, Economics, and Management. The Master of Economics and MS in Management are non-thesis degrees while the MS in Agricultural Economics and the MA in Economics require a thesis.

The University of North Carolina at Chapel Hill offers a Master of Arts with a variety of field specializations, none of which permit a focus comparable to that of the proposed program.

The Master of Science at the University of North Carolina at Charlotte emphasizes elective options in areas typical of a business school curriculum: money, banking and finance; international trade and finance; economic analysis for business decision making; and business forecasting.

The Master of Arts at the University of North Carolina at Greensboro is a Business School degree offering two tracks. The Applied Economics track emphasizes quantitative skills, while the traditional Economics track substitutes courses such as the history of economic thought for the more quantitative courses.

The proposed program will apply economic theory and econometric technique to the study of issues germane to the eastern region of the State.

II. JUSTIFICATION FOR THE PROGRAM

- A. The proposed degree in Resource Economics is a timely and appropriate addition to the graduate program of East Carolina University. It is directly responsive to the University's missions in teaching, research, and service.

There are several characteristics of the environment of East Carolina University which make the program an appropriate one. First, the University is located in a region of commercially important fisheries and wetlands. The growth of tourism combined with other increases in recreational demand have caused sharp conflict with commercial users of the region's natural endowments. Issues concerning the correct valuation and efficient usage of these common property resources by both commercial and recreational interests are of continuing policy relevance. Second, the creation of the East Carolina School of Medicine was a response to the need for improvement in tertiary medical services within the eastern part of the State. Questions of efficiency in the use of medical resources and of the impact upon health levels are significant societal issues and are logical topics for economic research. Third, the University is centrally located within a region of substantial poverty and its concomitant factors of low educational attainment, high infant mortality, and low health status. The prospect of regional development following the establishment of the proposed Global Transpark in Kinston likely will affect

these factors. Identification and measurement of such effects will be enhanced by the application of objective scholarship.

Student demand for the proposed program derives from two basic sources: 1. students who seek advanced training in resource economics as a terminal degree; 2. students who wish to pursue the MS in Economics as preparation for further work at the doctoral level. No other college or university in the eastern region of the State offers a graduate degree in Economics, and no other institution in the entire State offers a program specializing in resource economics. The Department currently receives from 12 to 15 inquiries each year regarding graduate work in Economics from students outside the University. There is also substantial interest in a graduate program among those of our own undergraduates who plan graduate study.

The program will strengthen the existing undergraduate program at East Carolina University by the addition of seven new courses which may be taken by advanced undergraduates as well as by graduates. Three of these courses, Mathematical Economics, Resources I, and Health Economics will replace similar undergraduate courses. The other four courses which may be taken by undergraduates are in areas not adequately covered in the existing undergraduate curriculum.

Complementarities exist between the proposed program and those existing master degree programs listed in I-C above which permit electives to be selected outside of the home department. As examples, students in Environmental Health might consider study of U. S. environmental policy in ECON 6172 - Resources II, and could also benefit from the benefit-cost perspectives in ECON 5910 - Health Economics; MPA students in the Department of Political Science could benefit from ECON 5800 - Public Economics and ECON 6125 - Regulation. Moreover, the program will also support the proposed Ph.D. in Coastal Resource Management which will soon be submitted for planning approval.

B. The projected enrollments below are based upon the following assumptions:

1. The initial cohort of eight students will increase to eleven in year 2 and to fifteen in year 3;
2. New admissions will remain stable at fifteen starting with year 3;
3. Seventy-five percent of each cohort will return in the second year.

Projected Enrollment for Four Years

	Year 1 (1995-96)	Year 2 (1996-97)	Year 3 (1997-98)	Year 4 (1998-99)
TOTALS	8	17	23	26

III. PROGRAM REQUIREMENTS AND CURRICULUM

A. 1. Admission requires the following minima:

- a. An overall undergraduate GPA of 2.5 on a 4.0 scale from an accredited institution, or;
- b. A GPA of 3.0 on a 4.0 scale in either the undergraduate work in Economics or work taken during the senior year;
- c. Acceptable score on the General Portion of the Graduate Record Examination;
- d. Acceptable score on TOEFL for non-native speakers;
- e. Undergraduate courses in introductory statistics and differential calculus; undergraduate intermediate microeconomics and macroeconomics are strongly recommended;
- f. A completed application.

2. Applicants must submit the following documents:

- a. Two copies of official transcripts of all undergraduate and graduate course work carried out in all institutions attended since high school graduation;
- b. Scores from Graduate Record Examination taken within last five years;
- c. Three academic letters of recommendation.

- B. 1. The program requires thirty-three semester hours of course work. Core requirements in economic theory, econometric technique, and research methodology constitute twenty-four of these hours with the remaining nine hours being electives in economics. There are no required or elective courses outside of the Department of Economics.

2. The program includes seventeen courses. Ten of these are open only to graduate students. Of the eight courses in the core, five are open only to graduate students.
3. An average grade of B is required.
4. No more than twelve hours of credit will be accepted for transfer.
5. A comprehensive exam is administered after the completion of the first six required courses. The examination will test skills in applied theory and econometrics. The purpose of the early administration is to provide students a clear indication of their progress before the end of the program.

There is no thesis. The final component of the ECON 6390 Research course is a research project. It is conceived as the culmination of students' analytical work and is designed to demonstrate applied research skills. The project involves a paper and a formal presentation in a faculty-student research workshop. The teacher of the course will share evaluation responsibilities with "second readers" who agree to supervise research papers. An acceptable grade on both presentation and paper is necessary to complete the program.

6. There is no foreign language requirement. The core courses include twelve hours of research skills in quantitative methods and research methodology:

ECON 5360 - Mathematical Economics
 ECON 6301 - Econometrics I
 ECON 6302 - Econometrics II
 ECON 6390 - Research.

7. The time limit for completing all credit (including transfer credit) is six years.
- C. Courses numbered in the 5000 range may be taken by advanced undergraduates as well as by graduate students. Courses numbered in the 6000 range are restricted to graduate students. Specific course numbers are a transformation of the alphanumeric classification scheme used by the *Journal of Economic Literature*.

Courses List (* Indicates Required Courses)

Course Number and Title

Prerequisites

ECON 5000 General Topics

Advanced Undergraduate or Graduate Status

ECON 5150 Development

Advanced Undergraduate or Graduate Status

Course Number and TitlePrerequisites

*ECON 5170 Resources I	Advanced Undergraduate or Graduate Status
*ECON 5360 Mathematical Economics	Differential calculus; Advanced Undergraduate or Graduate Status
*ECON 5501 Macroeconomic Theory	Advanced Undergraduate or Graduate Status
ECON 5800 Public Economics	Advanced Undergraduate or Graduate Status
ECON 5910 Health Economics	Advanced Undergraduate or Graduate Status
ECON 6102 Labor Supply	Econometrics II Microeconomic Theory I
ECON 6125 Regulation	Econometrics II Microeconomic Theory I
ECON 6172 Resources II	Resources I
*ECON 6301 Econometrics I	Elementary Statistics
*ECON 6302 Econometrics II	Econometrics I
ECON 6335 Discrete Choice Econometrics	Econometrics II Microeconomic Theory I
ECON 6353 Forecasting	Econometrics II Macroeconomic Theory Microeconomic Theory II
*ECON 6390 Research	Econometrics II Macroeconomic Theory, Mathematical Economics, Microeconomics I Resources I
*ECON 6401 Microeconomic Theory I	Graduate Status
*ECON 6402 Microeconomic Theory II	Microeconomic Theory I

Course Sequence

First Year

Fall - 9 Hours

- *ECON 5360 - Mathematical Economics
- *ECON 6301 - Econometrics I
- *ECON 6401 - Microeconomic Theory I

Spring - 9 Hours

- *ECON 5501 - Macroeconomic Theory
- *ECON 6302 - Econometrics II
- *ECON 6402 - Microeconomic Theory II
- *Comprehensive Examination

Second Year

Fall - 9 Hours

- *ECON 5170 - Resources I
- ECON Elective
- ECON Elective

Spring - 6 Hours

- *ECON 6390 - Research
- ECON Elective

IV. FACULTY

- A. The following faculty will be directly involved in the proposed program. *Vitae* of each are included in the appendix.

<u>Faculty</u>	<u>Ph.D. University</u>	<u>Research Fields</u>
Dr. Marjorie Baldwin	Syracuse, 1988	Economics of Disabilities; Labor; Health
Dr. Carson Bays	Michigan, 1975	Regulation; Antitrust; Health
Dr. John Bishop	Alabama, 1987	Poverty and Inequality; Public Finance; Public Choice

<u>Faculty</u>	<u>Ph.D. University</u>	<u>Research Fields</u>
Dr. Ju-Chin Huang	NC State, May 1994	Econometrics; Resource and Environmental Economics; Applied Microeconomics
Dr. Randall Parker	Kentucky, 1986	Macroeconomics; Economic History; Monetary Economics
Dr. Leola Ross	Southern Methodist, Fall 1994	Industrial Organization; Public Finance; Applied Game Theory
Dr. Philip Rothman	New York, 1990	Econometrics; Applied Macroeconomics; Forecasting
Dr. Edward Schumacher	Florida State, Fall 1994	Labor; Health; Industrial Organization
Dr. George Van Houtven	Maryland, 1993	Resource and Environmental Economics; Applied Microeconomics
Dr. John Whitehead	Kentucky, 1990	Resource and Environmental Economics; Applied Microeconomics
Dr. Lester Zeager	Pittsburgh, 1987	Labor; Public Finance; Development; Migration

- B. The Faculty of the Department of Economics has twelve full-time faculty positions. The eleven tenured or tenure-track faculty will be directly involved in the proposed program. The teaching and advising responsibilities of the one fixed-term faculty member are limited to the undergraduate program.

The twelve positions include one expansion tenure-track position which will be staffed by Fall 1994. The proposed program therefore can be accommodated during its first year of operation without affecting the current undergraduate program. In fact, the introduction of the seven 5000-level courses which may be taken by advanced undergraduates will increase the variety and rigor of course offerings to undergraduates. Three of these courses will replace three existing 4000-level undergraduate courses.

Current faculty size therefore is sufficient to begin in fall 1995. Projected program growth will require the addition of one faculty position for the second year, 1996-97.

- C. Funds to support the additional position in 1996-97 will come from either expansion, conversion, or internal reallocation.
- D. The existing course load of faculty will not be affected by the introduction of the proposed program. This conclusion is based upon the following assumptions:

The Department will receive one additional faculty position by fall 1996;

Three of the proposed 5000-level courses will replace three existing 4000-level undergraduate courses;

The current ECON 2250 - Introduction to Econometrics, which is now offered each semester, will be offered once yearly and will be designated for BS majors only. BA majors will take an introductory statistics course currently offered by the Mathematics Department.

Each of the faculty have active research interests in at least one of the topic or skill areas encompassed by the proposed program. The second year of the program is designed to involve students in faculty research as part of their training. The resulting complementarity between teaching and research should enhance both.

The current community service activities of faculty members are closely related to their areas of research competence. The type and extent of such activities will not be adversely affected by the proposed program. Indeed, the enhancement to the research mission of the Department which will attend the advanced training of students will increase opportunities for such service contributions.

V. LIBRARY

- A. During the last five years the Department of Economics has allocated its library budget and designed its requests for additions to the serials holdings with the eventual goal of the development of a graduate program in Resource Economics. The current holdings of the Joyner Library and the Health Sciences Library therefore are adequate to begin the program. (A letter from the Director of Academic library Services confirming this is included in the Appendix).
- B. The Department will continue to work closely with Academic Library Services to ensure that increases in print and electronic sources of scholarly information and data will sustain the projected growth of the program during the first five years. No additional library support is anticipated in areas outside of Economics.

- C. Current research activities now require that faculty must occasionally use the resources of other libraries via the Inter-Library Loan Department of the Joyner Library to supplement resources not available at Joyner or the Health Sciences Library. Faculty have less frequently made direct use of the library facilities at North Carolina State University, the University of North Carolina at Chapel Hill, and Duke University. No significant increase in Inter-Library Loan usage or in direct use of other university libraries is contemplated as a result of the proposed program.

VI. FACILITIES AND EQUIPMENT

- A. The facilities available for the proposed program are the existing classroom space and the Kim Social Science Computing Laboratory in the Brewster Building. The latter contains the following:

1. Twelve terminals networked to the IBM academic mainframe computer;
2. Twenty-six 486-based PC's with such network connections;
3. Eighteen 386-based PC's with LAN connection to laser printers;
4. Six 650 Quadra machines;
5. Two multimedia workstations;
6. One IBM laser printer connected to the IBM mainframe.

These machines are currently installed with software appropriate for the proposed program. In addition to variety of wordprocessor, spreadsheet, and date base programs these machines are also installed with a number of programs with specific applications to Economics, such as GAUSS, SAS-PC, and SPSS-PC.

- B. A portion of the graduate courses will be scheduled in late afternoon and evening. The current usage of the classrooms and the computing lab facilities therefore will not be adversely affected by introduction of the proposed program.
- C. The Director of the Office of Computer and Information Services has confirmed that existing computer services, including both the facilities of the Kim Lab and of the mainframe academic computer, will be adequate to support the proposed program. (A letter from the Director of Computing and Information Systems confirming this is included in Appendix).
- D. No additional sources of financial support for facilities and equipment are required.

VII. ADMINISTRATION

The position of Economics Graduate Program Director will be filled by a permanently-tenured faculty member. The Director's duties will be to: provide information about the program to prospective students; assign graduate research assistants; advise graduate students; assist with job placement; serve as the Economics Department representative to the Graduate Council; serve as executive officer of the Economics Department Graduate Committee, and; carry out those evaluation duties described in Section XII of this document. The Economics Graduate Program Director is responsible to the Chair of the Economics Department.

The Dean of the Graduate School communicates with the Graduate Program Director through the Department Chair. The Chair is responsible to the Dean of the Graduate School and to the Dean of the College of Arts and Sciences for the administration of the program. The organization chart of the Academic Affairs Division is included on the following page.

VIII. ACCREDITATION

Economics is a traditional discipline within the liberal arts and sciences. Accreditation is neither necessary nor appropriate.

IX. SUPPORTING FIELDS

The proposed program is not dependent upon any other subject-matter field or academic program for support.

X. ADDITIONAL INFORMATION

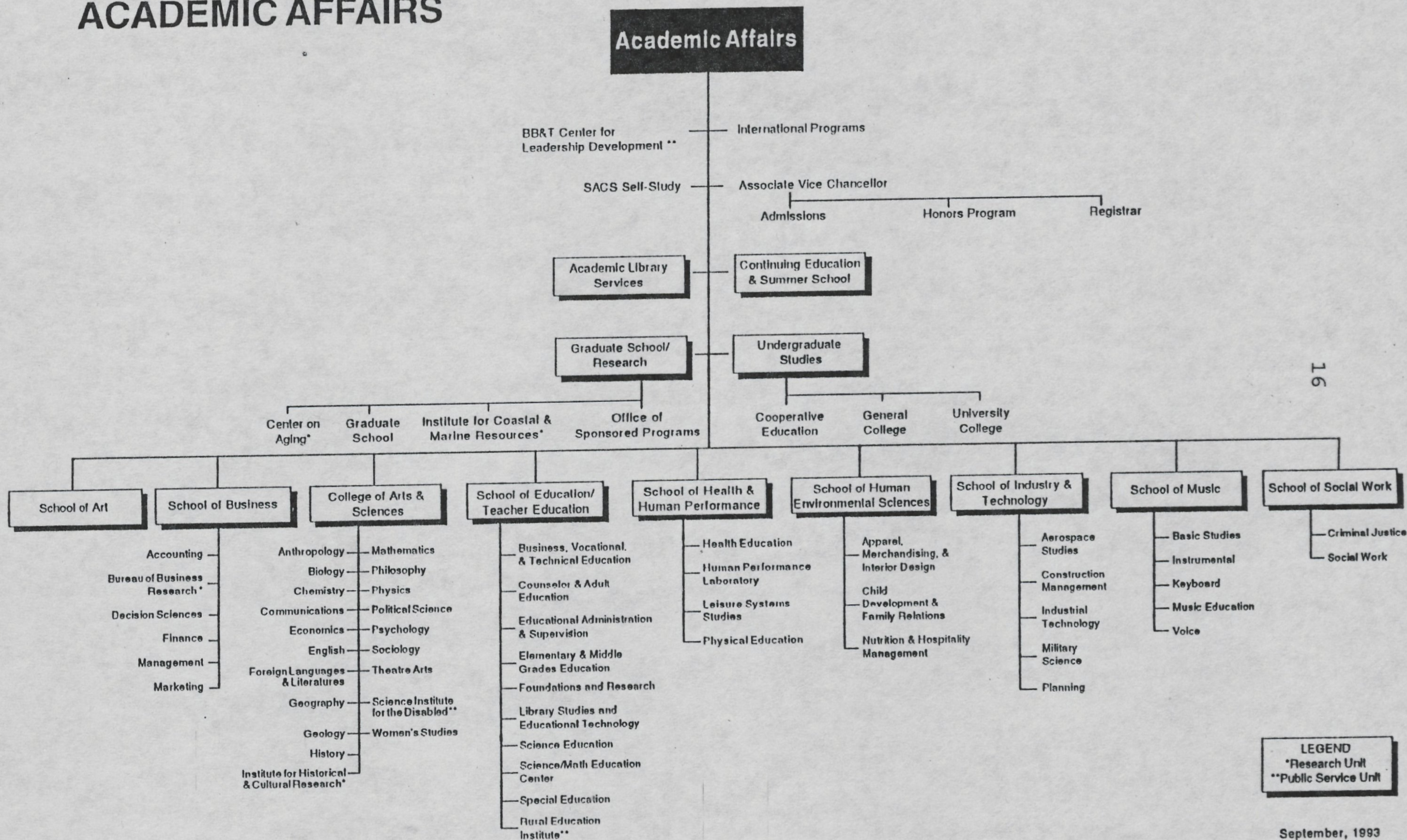
The attached faculty *Vitae* provide details of the background, training, and research interests of the current staff who will participate in the proposed program. These do not reveal, however, some salient aspects of this faculty and its special history.

Economics at one time was a component of the School of Business but has existed as an independent department within the College of Arts and Sciences since 1986. The original faculty remained in the Business School and was reconstituted into a department of decision science to support the School of Business curricula. The original Economics concentration within the general business degree was dropped at approximately the same time that two entirely new undergraduate Economics degree programs were developed within the College of Arts and Sciences.

The faculty members of the current Economics Department each have joined East Carolina since the discipline was moved from the Business School to the College of Arts and Sciences. The long term goal in faculty recruiting has been to attract and retain

ORGANIZATION CHART

ACADEMIC AFFAIRS



16

LEGEND
 *Research Unit
 **Public Service Unit

September, 1993

teaching scholars with interests in those Resource Economics areas germane to this proposed degree. The current faculty therefore share a similarity of vision and a unity of purpose which is unusual in an academic unit.

This synergy has contributed to accomplishments in both teaching and research. The Department includes two College Teaching Award finalists and one winner of the University Award for Teaching Excellence. The rate of research productivity, as measured by publications in referred academic journals, exceeds that of many much larger academic units.

The Department therefore combines maturity and enthusiasm in a combination ideal to execute a master of science degree of high quality and value.

XI. BUDGET

SUMMARY OF ESTIMATED ADDITIONAL COSTS FOR PROPOSED PROGRAM

INSTITUTION East Carolina University DATE May 17, 1994
 Program (API #, Name, Level) 2204, Economics, Masters
 Degree to be Granted Masters of Science Program Year First (1995-96)

 ADDITIONAL FUNDS REQUIRED - BY SOURCE

	Reallocation of Present Institutional Resources	Enrollment Increase Funds	Federal or Other (Identify)	New Allocations	Total
<u>101 Regular Term Instruction</u>					
1201 SPA Regular Salaries	\$ _____	\$ _____	\$ _____	\$ <u>7,837</u>	\$ <u>7,837</u>
Clerk typist III (half-time)	(_____)	(_____)	(_____)	(<u>7,837</u>)	(<u>7,837</u>)
1810 Social Security	\$ <u>300</u>	\$ _____	\$ _____	\$ <u>300</u>	\$ <u>600</u>
1820 State Retirement	\$ <u>430</u>	\$ _____	\$ _____	\$ <u>429</u>	\$ <u>859</u>
2000 Supplies and Materials	\$ <u>1,333</u>	\$ <u>667</u>	\$ _____	\$ _____	\$ <u>2,000</u>
2300 Educational Supplies	(<u>467</u>)	(<u>233</u>)	(_____)	(_____)	(<u>700</u>)
2600 Office Supplies	(<u>866</u>)	(<u>434</u>)	(_____)	(_____)	(<u>1,300</u>)
3000 Current Services	\$ <u>2,000</u>	\$ <u>1,000</u>	\$ _____	\$ _____	\$ <u>3,000</u>
3100 Travel	(<u>1,333</u>)	(<u>667</u>)	(_____)	(_____)	(<u>2,000</u>)
3200 Communication	(<u>667</u>)	(<u>333</u>)	(_____)	(_____)	(<u>1,000</u>)
5000 Capital Outlay(Equipment)	\$ <u>3,334</u>	\$ <u>1,666</u>	\$ _____	\$ _____	\$ <u>5,000</u>
5100 Office Equipment	(<u>667</u>)	(<u>333</u>)	(_____)	(_____)	(<u>1,000</u>)
5200 EDP Equipment	(<u>2,000</u>)	(<u>1,000</u>)	(_____)	(_____)	(<u>3,000</u>)
5300 Educational Equipment	(<u>667</u>)	(<u>333</u>)	(_____)	(_____)	(<u>1,000</u>)
TOTAL-Regular Term Instruction	\$ <u>7,397</u>	\$ <u>3,333</u>	\$ _____	\$ <u>8,566</u>	\$ <u>19,296</u>
<u>151 Libraries</u>					
Serials	\$ <u>1,250</u>	\$ <u>625</u>	\$ _____	\$ _____	\$ <u>1,875</u>
Books	\$ <u>1,250</u>	\$ <u>625</u>	\$ _____	\$ _____	\$ <u>1,875</u>
TOTAL-libraries	\$ <u>2,500</u>	\$ <u>1,250</u>	\$ _____	\$ _____	\$ <u>3,750</u>
TOTAL ADDITIONAL COSTS...	\$ <u>9,897</u>	\$ <u>4,583</u>	\$ _____	\$ <u>8,566</u>	\$ <u>23,046</u>

SUMMARY OF ESTIMATED ADDITIONAL COSTS FOR PROPOSED PROGRAM

INSTITUTION East Carolina University DATE May 17, 1994
 Program (API #, Name, Level) 2204, Economics, Masters
 Degree to be Granted Masters of Science Program Year Second (1996-97)

ADDITIONAL FUNDS REQUIRED - BY SOURCE

	Reallocation of Present Institutional Resources	Enrollment Increase Funds	Federal or Other (Identify)	New Allocations	Total
<u>101 Regular Term Instruction</u>					
1201 SPA Regular Salaries	\$ _____	\$ _____	\$ _____	\$ <u>7,837</u>	\$ <u>7,837</u>
Clerk typist III (half-time)	(_____)	(_____)	(_____)	(<u>7,837</u>)	(<u>7,837</u>)
1310 EPA Academic Salaries	\$ <u>25,000</u>	\$ _____	\$ _____	\$ <u>25,000</u>	\$ <u>50,000</u>
Assistant Professor	(<u>25,000</u>)	(_____)	(_____)	(<u>25,000</u>)	(<u>50,000</u>)
1810 Social Security	\$ <u>2,213</u>	\$ _____	\$ _____	\$ <u>2,212</u>	\$ <u>4,425</u>
1820 State Retirement	\$ <u>3,170</u>	\$ _____	\$ _____	\$ <u>3,169</u>	\$ <u>6,339</u>
1830 Medical Insurance	\$ <u>868</u>	\$ _____	\$ _____	\$ <u>867</u>	\$ <u>1,735</u>
2000 Supplies and Materials	\$ <u>1,333</u>	\$ <u>667</u>	\$ _____	\$ _____	\$ <u>2,000</u>
2300 Educational Supplies	(<u>467</u>)	(<u>233</u>)	(_____)	(_____)	(<u>700</u>)
2600 Office Supplies	(<u>866</u>)	(<u>434</u>)	(_____)	(_____)	(<u>1,300</u>)
3000 Current Services	\$ <u>2,000</u>	\$ <u>1,000</u>	\$ _____	\$ _____	\$ <u>3,000</u>
3100 Travel	(<u>1,333</u>)	(<u>667</u>)	(_____)	(_____)	(<u>2,000</u>)
3200 Communication	(<u>667</u>)	(<u>333</u>)	(_____)	(_____)	(<u>1,000</u>)
5000 Capital Outlay(Equipment)	\$ <u>3,334</u>	\$ <u>1,666</u>	\$ _____	\$ _____	\$ <u>5,000</u>
5100 Office Equipment	(<u>667</u>)	(<u>333</u>)	(_____)	(_____)	(<u>1,000</u>)
5200 EDP Equipment	(<u>2,000</u>)	(<u>1,000</u>)	(_____)	(_____)	(<u>3,000</u>)
5300 Educational Equipment	(<u>667</u>)	(<u>333</u>)	(_____)	(_____)	(<u>1,000</u>)
TOTAL-Regular Term Instruction	\$ <u>37,918</u>	\$ <u>3,333</u>	\$ _____	\$ <u>39,085</u>	\$ <u>80,336</u>
<u>151 Libraries</u>					
Serials	\$ <u>2,500</u>	\$ <u>1,250</u>	\$ _____	\$ _____	\$ <u>3,750</u>
Books	\$ <u>2,500</u>	\$ <u>1,250</u>	\$ _____	\$ _____	\$ <u>3,750</u>
TOTAL-libraries	\$ <u>5,000</u>	\$ <u>2,500</u>	\$ _____	\$ _____	\$ <u>7,500</u>
TOTAL ADDITIONAL COSTS...	\$ <u>42,918</u>	\$ <u>5,833</u>	\$ _____	\$ <u>39,085</u>	\$ <u>87,836</u>

SUMMARY OF ESTIMATED ADDITIONAL COSTS FOR PROPOSED PROGRAM

INSTITUTION East Carolina University DATE May 17, 1994
 Program (API #, Name, Level) 2204, Economics, Masters
 Degree to be Granted Masters of Science Program Year Third (1997-98)

ADDITIONAL FUNDS REQUIRED - BY SOURCE

	Reallocation of Present Institutional Resources	Enrollment Increase Funds	Federal or Other (Identify)	New Allocations	Total
101 Regular Term Instruction					
1201 SPA Regular Salaries	\$ _____	\$ _____	\$ _____	\$ <u>7,837</u>	\$ <u>7,837</u>
Clerk typist III (half-time)	(_____)	(_____)	(_____)	(<u>7,837</u>)	(<u>7,837</u>)
1310 EPA Academic Salaries	\$ <u>25,000</u>	\$ _____	\$ _____	\$ <u>25,000</u>	\$ <u>50,000</u>
Assistant Professor	(<u>25,000</u>)	(_____)	(_____)	(<u>25,000</u>)	(<u>50,000</u>)
1810 Social Security	\$ <u>2,213</u>	\$ _____	\$ _____	\$ <u>2,212</u>	\$ <u>4,425</u>
1820 State Retirement	\$ <u>3,170</u>	\$ _____	\$ _____	\$ <u>3,169</u>	\$ <u>6,339</u>
1830 Medical Insurance	\$ <u>868</u>	\$ _____	\$ _____	\$ <u>867</u>	\$ <u>1,735</u>
2000 Supplies and Materials	\$ <u>1,333</u>	\$ <u>667</u>	\$ _____	\$ _____	\$ <u>2,000</u>
2300 Educational Supplies	(<u>467</u>)	(<u>233</u>)	(_____)	(_____)	(<u>700</u>)
2600 Office Supplies	(<u>866</u>)	(<u>434</u>)	(_____)	(_____)	(<u>1,300</u>)
3000 Current Services	\$ <u>2,000</u>	\$ <u>1,000</u>	\$ _____	\$ _____	\$ <u>3,000</u>
3100 Travel	(<u>1,333</u>)	(<u>667</u>)	(_____)	(_____)	(<u>2,000</u>)
3200 Communication	(<u>667</u>)	(<u>333</u>)	(_____)	(_____)	(<u>1,000</u>)
5000 Capital Outlay(Equipment)	\$ <u>3,334</u>	\$ <u>1,666</u>	\$ _____	\$ _____	\$ <u>5,000</u>
5100 Office Equipment	(<u>667</u>)	(<u>333</u>)	(_____)	(_____)	(<u>1,000</u>)
5200 EDP Equipment	(<u>2,000</u>)	(<u>1,000</u>)	(_____)	(_____)	(<u>3,000</u>)
5300 Educational Equipment	(<u>667</u>)	(<u>333</u>)	(_____)	(_____)	(<u>1,000</u>)
TOTAL-Regular Term Instruction	\$ <u>37,918</u>	\$ <u>3,333</u>	\$ _____	\$ <u>39,085</u>	\$ <u>80,336</u>
151 Libraries					
Serials	\$ <u>2,500</u>	\$ <u>1,250</u>	\$ _____	\$ _____	\$ <u>3,750</u>
Books	\$ <u>2,500</u>	\$ <u>1,250</u>	\$ _____	\$ _____	\$ <u>3,750</u>
TOTAL-libraries	\$ <u>5,000</u>	\$ <u>2,500</u>	\$ _____	\$ _____	\$ <u>7,500</u>
TOTAL ADDITIONAL COSTS...	\$ <u>42,918</u>	\$ <u>5,833</u>	\$ _____	\$ <u>39,085</u>	\$ <u>87,836</u>

XII. EVALUATION PLANS

- A. The main criterion of evaluation will be the value added by the proposed degree.
- B. Value added will be measured in three ways. First, the Graduate Director will have the responsibility of tracking the graduates and reporting to the Faculty the following information: the proportion of graduates employed in positions judged to be related to the proposed degree; and the proportion pursuing further graduate training in Ph.D. programs. These reports will commence with the first cohort of graduates and will be repeated each subsequent year.

Second, each graduate will be surveyed within two years of completion regarding the relevance of the program to their current professional activities. The survey will elicit views regarding overall strengths and weaknesses of the program and of specific courses.

Third, external reviewers will be retained to evaluate the program at the beginning of the third year of operation. The reviewers will be asked to evaluate the program progress relative to their best professional judgement of high quality masters programs throughout the country.

- C. Projected productivity levels, measured in numbers of graduates, are as follows:

<u>Year 1 (95-96)</u>	<u>Year 2 (96-97)</u>	<u>Year 3 (97-98)</u>	<u>Year 4 (98-99)</u>	<u>TOTAL</u>
<u>0</u>	<u>6</u>	<u>8</u>	<u>11</u>	<u>25</u>

- D. The following scholars are recommended as potential reviewers of the proposed program:

Dr. Glenn C. Blomquist, Pollard Professor of
Health Economics and Professor of Public Administration
Department of Economics
University of Kentucky
Lexington, Kentucky 40506
(606) 257-3924

Dr. John P. Formby, Hayes Professor of Economics
Department of Economics, Finance, and Legal Studies
University of Alabama
Tuscaloosa, Alabama 35487
(205) 348-8667

Dr. Michael Grossman, Distinguished Professor of
Economics and Director of Health Economics, National Bureau of
Economic Research, Inc.
City University of New York Graduate School
269 Mercer Street, 8th Floor
New York, NY 10003
(212) 995-3462

Dr. Kenneth A. Lewis, Tyler Chaplin Professor of Business
Department of Economics
University of Delaware
Newark, Delaware 19716
(302) 831-2564

- E. The evaluation plan includes the review by external experts described in XII B, above. In addition to the review at the beginning of the third year, the reviewers will be asked to review the program again at the beginning of the sixth year to assess how effectively the program has incorporated any suggested improvements noted at the initial evaluation. Each of these reviews will be integrated into the evaluation and assessment mechanisms of the University's Strategic Plan.

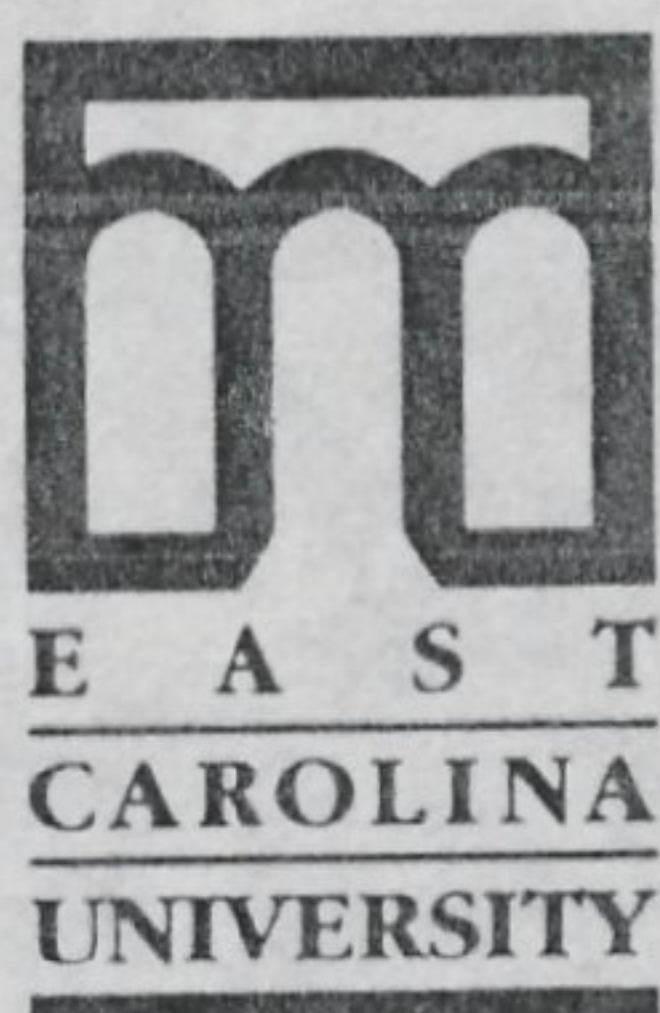
Data proposed degree was authorized for planning: April 26, 1990

Proposed date of initiation of proposed degree program: August 23, 1995

Chancellor: _____

APPENDIX

LETTERS OF SUPPORT



MEMORANDUM

Computing and
Information Systems
Austin Building

919-757-6401

TO: Carson Bays, Chair
Department of Economics

FROM: Blake C. Price *BCP*
Director

DATE: January 5, 1994

RE: Proposals for Graduate Courses Requiring Computer Usage

I have reviewed the following proposals for courses requiring computer resources: ECON 6102, ECON 6301, ECON 6302, ECON 6335, ECON 6353, ECON 6390.

At this time, we have sufficient resources on the academic computing mainframe and in the Kim Lab to accommodate the increased usage required by these courses.

Thank you for the information concerning these new offerings and I wish you success in implementing them.

/cp



April 13, 1994

Academic Library Services
Joyner Library

919-757-6514
919-757-4834 Fax

Office of the Director
757-6514

Special Collections
757-6671

Circulation
757-6518

Government Documents
757-6533

Academic Communication
Support Services/MCNC
757-4866

Media and Teaching
Resources
757-6222

Microforms
757-6680

Music Library
757-6250

Periodicals
757-6293

Reference and Collection
Development
757-6677

Technical Services
Cataloging
Acquisitions
Binding
757-6692

Interlibrary Services
757-6068

North Carolina Collection
757-6601

TO: Dr. Carson Bays

FROM: Ken Marks ~~XX~~

SUBJECT: Library Resources for Masters in Resource Economics

The Masters in Resource Economics will emphasize an interdisciplinary program, for which the library can provide support in many ways. One of the largest sources of support currently available is the Health Sciences Library. The newly approved doctoral programs in coastal and marine studies, for which the library is building collections, will also benefit the resource economics program. The Yankee approval plan covers a broad range of subjects and can easily be refined to meet new needs.

The number of students involved is small and they do not write theses.

Access to current journal literature will be adequate through the new document delivery services, Proquest products, and interlibrary loan.

The Economics Department was awarded an extra \$2500 in the 1993-94 budget year for support of new programs.

CONCLUSION: Library resources appear adequate to support a new masters degree in Resource Economics.

FACULTY *VITAE*

VITA

Marjorie L. Baldwin

March 1994

PERSONAL:

123 Antler Road
Greenville, NC 27834
(919) 756-2991

OFFICE:

Department of Economics
East Carolina University
Greenville, NC 27858-4353
(919) 757-6383

EDUCATION

Ph.D. in Economics, The Maxwell School, Syracuse University, Syracuse, New York,
December 1988.

M.A. in Economics, Syracuse University, Syracuse, New York, January 1987.

B.S. in Education, State University College at Oswego, New York, January 1971.

EXPERIENCE

Assistant Professor of Economics, East Carolina University, August 1989-present.
Honors and awards: 1992 East Carolina University Teaching Excellence Award.

REFEREED PUBLICATIONS

"Estimating Wage Discrimination Against Workers with Disabilities." Forthcoming, Cornell Journal of Law and Public Policy.

"Gender Differences in Wage Losses from Impairments: Evidence from the SIPP," with Lester Zeager and Paul Flacco. Forthcoming, Journal of Human Resources.

"Labor Market Discrimination Against Men with Disabilities," with William G. Johnson. Journal of Human Resources 29 (Winter 1994): 1-19.

"Estimating the Employment Effects of Labor Market Discrimination," with William G. Johnson. Review of Economics and Statistics 74 (August 1992): 446-455. (Abstracted in Journal of Economic Literature.)

"A Test of the Measures of Non-Discriminatory Wages Used to Study Wage Discrimination," with William G. Johnson. Economics Letters 39 (1992): 223-227.

"Evidence on the Occupational Segregation of Women with Disabilities." Journal of Disability Policy Studies 2 (1991): 31-47.

"An Analysis of Racial Differences in Wage Distributions," with John A. Bishop. Economics Letters 37 (1991): 91-95.

"An Asymmetric Information Theory of Labor Market Discrimination." Southern Economic Journal 57 (April 1991): 1148-1154.

OTHER PUBLICATIONS

"First Spells of Work Absences Among Ontario Workers," with Richard J. Butler and William G. Johnson. Forthcoming, Research in Canadian Workers' Compensation. Edited by Richard P. Chaykowski and Terry Thomason. Kingston, Ontario: IRC Press.

"The Americans with Disabilities Act: Will It Make a Difference?" with William G. Johnson. Forthcoming, "Disability Policy as an Emerging Field of Public Policy Research," Policy Studies Journal. Edited by Sara Watson and David Pfeiffer. Excerpted in In The Mainstream (May/June 1993): 8-11.

"The Sources of Employment Discrimination: Prejudice or Poor Information," with William G. Johnson. Forthcoming, Advances in Employment Issues. Edited by David Saunders. Greenwich, CT: JAI Press.

"Wage Losses and Benefits in Ontario Workers' Compensation." Labor Law Journal 41 (August 1990): 540-545.

"Labor Market Discrimination: An Asymmetric Information Theory and New Empirical Estimates." In IRRA Proceedings of the Forty-first Annual Meeting, pp. 495-501. Edited by Barbara B. Dennis. Madison, WI: Industrial Relations Research Association, 1989.

WORK IN PROGRESS

"Labor Market Discrimination against Women with Disabilities," with William G. Johnson. Under revision for Industrial Relations.

"Post-Injury Employment Patterns in Ontario," with Richard J. Butler and William G. Johnson. Under revision for Industrial and Labor Relations Review.

"The Employment Effects of Wage Discrimination Against Black Men," with William G. Johnson. Under revision for Industrial and Labor Relations Review.

SELECTED PRESENTATIONS

"Labor Market Discrimination Against Men with Disabilities: Estimates from the 1990 SIPP," presented at the American Economic Association Meetings, Boston, January 4, 1994.

"Pay Equity in Ontario: Is It Closing the Wage Gap?" presented at the Southern Economic Association Meetings, New Orleans, November 23, 1993.

"A Double Burden of Discrimination: Women with Disabilities," presented at the Annual Meeting of the Society for Disability Studies, Seattle, June 18, 1993.

"The Americans with Disabilities Act: Will It Make a Difference?" presented at the American Political Science Association Meetings, Washington, August 29, 1991.

"Labor Market Discrimination Against Persons with Disabilities," presented at the Equal Employment Opportunity Commission, Washington, December 28, 1990.

"Labor Market Discrimination Against Persons with Disabilities," presented at the National Institute on Disability and Rehabilitation Research, Washington, June 14, 1990.

"Estimates of the Employment Effects of Wage Discrimination against Nonwhites and Females," presented at the American Economic Association Meetings, Atlanta, December 28, 1989.

GRANTS

Canadian Studies Faculty Research Grant. "The Employment Effects of Comparable Worth in Ontario."

Workers' Compensation Board of Ontario, Canada. "Wage Losses and Benefits under Bill 162." Co-investigator.

National Institute for Disability and Rehabilitation Research. "Labor Market Discrimination against Handicapped Persons." Co-investigator.

Department of Labor, Bureau of Labor Management Relations and Cooperative Programs. Dissertation grant.

VITAE

NAME: Carson W. Bays, Jr.

POSITION: Professor and Chair, Economics

ADDRESS: HOME: 1103 W. Wright Rd.
Greenville, North Carolina 27858
(919) 758-5909

OFFICE: Department of Economics
East Carolina University
Greenville, North Carolina 27858
(919) 757-6006

BIRTHDATE: December 31, 1943

EDUCATION:

B.A. University of Texas at Arlington - 1966
M.A. University of North Texas - 1968
Ph.D. University of Michigan - 1975

TEACHING EXPERIENCE:

Bishop College, Dallas, Texas, 1967-70: Principles of
Economics, Intermediate Theory, Industrial Organization, Statistics.

University of Illinois at Chicago, 1974-82: Microeconomic
Theory, Industrial Organization (graduate and undergraduate), Antitrust and
Regulation, Health Economics.

Northern Illinois University, Spring 1982 (visiting): Health Economics

East Carolina University, 1982-present: Intermediate
Microeconomic Theory, Industrial Organization, Antitrust and Regulation.

AWARDS AND RECOGNITION

General Electric Award to participate in "Recent
Developments in Applied Economics," University of Chicago, Summer 1969.

Teaching Fellowship, University of Michigan, 1972.

Public Health Fellow, University of Michigan, 1973-74.

Biography published in *Who's Who in Finance and Industry*,
Marquis Publishing Company, 1991.

ADMINISTRATIVE EXPERIENCE (selected):

Member, Planning Committee for Master of Administrative
Science degree, College of Business, University of Illinois at Chicago,
1977-79.

Co-Director, University Honors Program, University of
Illinois at Chicago, 1981-82.

Coordinator for Economics, Joint Department of Sociology,
Anthropology, and Economics, East Carolina University, 1982-1986.

Chair, Department of Economics, East Carolina University,
1986-present.

Chair of The Following Administrative Committees:

Chair Search Committee, Department of English, 1988-89

College of Arts and Sciences Strategic Planning
Committee, 1989-91; 1993-present

Task Force on the Structure of Continuing Education,
1990-91

Member of the Following Administrative Committees at East
Carolina University:

Dean's Advisory Committee on Tenure and Promotion,
1988-present (Chair 1993-94)

Search Committee for Director of Continuing Education,
1991-92

College of Arts and Sciences Constitution Drafting
Committee, 1991-92

University Steering Committee on Strategic Planning,
1992-present

RESEARCH:

Publications

"Admitting Physicians and Returns to Scale in the Production of Hospital Services." *Profile of Medical Practice 1978*, Chicago: American Medical Association, 1978: 129-139.

"Balancing the Benefits and Costs of the Tying Prohibition," *The American Business Law Journal*, (Spring 1990): 161-167.

"Case Mix Differences Between Profit and Nonprofit Hospitals," *Inquiry*, (March 1977): 14-21.

"Cost Comparisons of Profit and Nonprofit Hospitals," *Social Science & Medicine*, (December 1979): 219-225.

"The Determinants of Hospital Size: A Survivor Analysis," *Applied Economics*, (April 1986): 359-377.

"Patterns of Hospital Growth: The Case of Profit Hospitals," *Medical Care*, (September 1983): 850-857.

"Prospective Payment and Hospital Efficiency," *Quarterly Review of Economics and Business*, (Spring 1980): 76-86.

"Specification Error in the Estimation of Hospital Cost Functions," *The Review of Economics and Statistics*, (May 1980): 302-305.

"Tying Arrangements Should be *Per Se* Legal," *The American Business Law Journal*, (Winter 1989): 625-663.

"Utility Productivity and Regulatory Incentives," *Quarterly Review of Economics and Business*, (Summer 1980): 51-56.

"Why Most Private Hospitals are Nonprofit," *Journal of Policy Analysis and Management*, (Spring 1983): 366-385.

Work Under Review

"Inferring Welfare Change from Changes in Consumer Budget Proportions"

"Do Supreme Court Decisions Matter? Tying Arrangements 1966-1990"

Work in Progress

"Measurement of Physician Hospital Productivity"

"Is Kodak a Reprise of Fortner?"

Technical Reports

"Economic Incentives for Power Plant Productivity," UIC
Energy Resources Center Working Paper, January 1979.

"Regulation and the Durability of Public Utility Capital,"
UIC Energy Resources Center Working Paper, June 1979.

"Evaluability Assessments of Selected Aspects of Illinois
Commerce Commission Regulation, " Final Report to the Illinois General
Assembly, March 1982 (co-author).

Grants and Paid Consulting

Principal Investigator, "Optimal Scale in Teaching
Hospitals," research contract with the Area Health Education System of the
University of Illinois Medical Center, Summer 1974.

Faculty Research Associate for "Implementation of Projects
Addressing Power Plant Productivity and Generating and Transmission System
Efficiency and Reliability," project funded by the Federal Energy
Administration, Summer 1978.

Consultant, American Hospital Association, 1977-78.

Principal Investigator, "A Dynamic Model of Hospital
Investment," UIC Research Board Grant, Fall-Winter 1978-79.

Faculty Research Associate for "Economic Incentives for
Optimal Powerplant Reliability," project funded by Federal Energy
Administration, January-June 1979.

UIC College of Business Released Time Award, Spring 1980.

Technical Adviser to the Illinois General Assembly Joint
Select Committee on the Sunset Deregulation Act, October 1981-February
1982.

Expert Witness, Cook County Court, Chicago, IL, 1981;
Wilson County Superior Court, Wilson, NC 1988.

Professional Presentations (selected)

Speech, "Two Systems of Belief About Industrial Concentration and Antitrust Policy," delivered to the legal and economic staffs of the Federal Trade Commission District Office, Chicago, Illinois, July 1976.

Paper, "Cost and Efficiency Differences Between Profit and Nonprofit Hospitals," presented at the American Economic Association meetings, Atlantic City, New Jersey, September 1976.

Speech, "The State of the Health Care Industry: An Economist's Perspective," delivered to the Advanced Institute for Hospital Personnel Administration and Labor Relations, New Orleans, Louisiana, July 1977. Served as panelist along with Rep. Philip Crane (R-IL) and Professor Seymour Lippit for a symposium on economic and political issues in health at the same meeting.

Paper, "Specification Error in the Estimation of Hospital Cost and Production Functions," presented at the Health Services Research Workshop of the University of Chicago, November 1977.

Resource Person, "Seminar in Proposal Development," North Carolina State University, April 1983; March 1984.

Paper, "Tying and Leverage: The Tangled Legacy of Fortner II," presented at Session, "Antitrust Policy," Southern Economic Association meetings, November 1986.

Paper, "An Empirical Analysis of Tying Arrangements: 1966-1990," American Economic Association meetings, January 1993.

COMMUNITY SERVICE:

Annual guest lecturer for Pitt County School in-service teacher training programs.

Member, Greenville Citizens Committee on Cable Television, October 1986-1991.

Member, Sheppard Memorial Library Board of Trustees, 1993-present

Guest speaker three to six times per year for regional professional and civic organizations.

Curriculum Vitae

JOHN A. BISHOP

PERSONAL

Department of Economics
East Carolina University
Greenville, North Carolina 27858
Phone-919-757-6006
Bitnet-ECBishop@ECUVM1

EDUCATION:

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

FACULTY AND UNIVERSITY APPOINTMENTS:

Associate Professor of Economics, East Carolina University, August 15, 1993.
Assistant Professor of Economics, East Carolina University, 1988-93
Visiting Assistant Professor of Economics, University of Alabama, 1987-88.

ACADEMIC HONORS AND AWARDS:

College Research Award, East Carolina University, 1991.
Univ. of Alabama, College of Commerce Outstanding Dissertation Award,
1987-88.
Post Doctoral Research Fellowship, Luxembourg Income Study, Summer 1988.
Outstanding Graduate Student, Univ. of Alabama, College of Commerce,
1986-87.
Graduate Research Council Fellowship, 1985-86.
Cochrane-Hunt Fellowship, 1985-87.
Outstanding Graduate Student in Economics, Va. Commonwealth Univ., 1983.

FIELDS OF SPECIALIZATION:

<i>Research:</i>	Income Inequality and Poverty; Tax Progressivity.
<i>Teaching:</i>	Public Finance; Public Choice; Microeconomics. Served on two master thesis and one Ph.D. dissertation committee

DISSERTATION:

Title: "Statistical Inference with Lorenz and Generalized Lorenz Curves:
An Interstate and Inter-temporal Comparison."
Chair: John P. Formby

GRANTS RECEIVED:

USDA Food and Nutrition Service Research Grant, 1991-92.
Peat Marwick Foundation Grant, 1991.
ECU Off-Campus Scholarly Assignment, Spring 1991.
ECU Summer Research Stipend, Summer 1989; Summer 1992.

REFEREED PUBLICATIONS:

- "International Comparisons of the Redistributive Effects of Taxes," *Journal of Income Distribution*, (with K. Victor Chow and John P. Formby), forthcoming.
- "International Comparisons of Welfare and Poverty: Stochastic Dominance Orderings for 10 Countries," *Canadian Economics Journal*, (with John P. Formby and W. James Smith), forthcoming.
- "Macroeconomic and Other Determinants of the U.S. Income Distribution, 1947-1990," *Journal of Income Distribution*, (with John P. Formby and Ryoichi Sakano), forthcoming.
- "Evaluating a Neglected Dimension of Economic Development: Mortality, Risk Aversion and Uncertainty," *International Review of Economics and Finance*, (with John P. Formby and Lester A. Zeager), forthcoming.
- "Explaining Interstate Differences in Income Inequality," *Review of Economics and Statistics*, (with J. Formby and P. Thistle), August 1992.
- "Nutrition and Nonparticipation in the US Food Stamp Program," *Applied Economics* (with J. Formby and L. Zeager), September 1992.
- "Are Regional Income Distributions Converging?," *American Economic Review*, (with J. Formby and P. Thistle), March, 1992.
- "Welfare Rankings of State Income Distributions," *Social Science Quarterly* (with L. Zeager and J. Formby), March 1992.

"Tests for Lorenz Dominance: A Study of Inequality in Nine Countries," *Economica*, (with J. Formby and W. Smith), November 1991.

"Rank Dominance and International Comparisons of Income Distributions," *European Economic Review*, (with J. Formby and P. Thistle), October 1991.

"An Analysis of Racial Differences in Wage Distributions," *Economics Letters*, (with Marjorie Baldwin), September 1991.

"Relative Deprivation and Economic Welfare: A Statistical Investigation With Gini-Based Welfare Indices," *Scandinavian Journal of Economics* (with S. Chakraborti and P. Thistle), September 1991.

"A Stochastic Dominance Analysis of the Effects of Growth and Recessions on the U.S. Income Distribution, 1967-1986," *Southern Economic Journal*, (with V. Chow and J. Formby), April 1991.

"Lorenz Dominance and Welfare: Changes in the U.S. Distribution of Income, 1967-1986," *Review of Economics and Statistics*, (with J. Formby and W. Smith), February 1991.

"Changes in U.S. Earnings Distributions: 1982-1986," *Applied Economics*, (with J. Formby and P. Thistle), March 1991.

"Risk Aversion, Income Redistribution, and Median Voter Behavior," *Public Choice*, (with J. Formby and W. Smith), 68, 1991.

"An Asymptotically Distribution-Free Test for Sen's Welfare Index," *Oxford Bulletin of Economics and Statistics*, (with P. Thistle and S. Chakraborti), February 1990.

"Risk Aversion and Rent-Seeking Redistributions: Free Agency in the National Football League," *Southern Economic Journal*, (with J. Formby and J. Finch), July 1990.

"Stochastic Dominance and Statistical Comparisons of Income Distribution Functions," *Quality and Quantity*, (with J. Formby), vol. 24, 1990.

"Constructing Poverty Rankings for State Subregions," *Review of Regional Studies*, (with L. Zeager), Spring 1990.

"Asymptotically Distribution-Free Statistical Inference for Generalized Lorenz Curves," *Review of Economics and Statistics*, (with S. Chakraborti, and P. Thistle), November 1989.

"Large Sample Tests for Absolute Lorenz Dominance," *Economics Letters* (with P. Thistle and S. Chakraborti), Vol. 26, 1988.

"Pigovian Taxes and 'Full' Property Rights," *Eastern Economic Journal*, April-June 1988.

"Health Scare, Excise Taxes and Advertising Ban: A Reply," *Southern Economic Journal*, (with J. Yoo), January 1988.

"Health Scare, Excise Taxes and Advertising Ban in Cigarette Demand and Supply," *Southern Economic Journal*, (with J. Yoo), October 1985.

BOOK CHAPTERS AND OTHER PUBLICATIONS:

"Taxpayer Noncompliance and the Distribution of Income and Tax Burdens in the United States: Evidence from Recent TCMP Audits," in *Taxation, Poverty and Income Distribution*, with John P. Formby and K. Victor Chow, edited by John Creedy, Edward Elgar and Co., forthcoming 1993.

"Lorenz and Stochastic Dominance Comparisons of European Income Distributions," in *Studies in Contemporary Economics: Income and Wealth Distribution*, with J. Formby and R. Sakano, edited by C. Dagum and A. Lemmi, forthcoming 1993.

"A Dominance Approach to Evaluating the US Distribution of Income," with J. Formby, in *The Changing Distribution of Income in an Open US Economy*, edited by Jeffery Bergstrom, North-Holland, Fall 1993.

"The Political Economy of Income Distribution and Growth: Insights Gained by Applying the Dominance Method," with V. Agarwal and John Formby, Sejong Institute, Seoul, Colloquium Series 92-01, 1992.

"Statistical Inference, Income Distribution and Social Welfare," in *Research in Income Inequality*, Vol. 1, with John P. Formby and Paul D. Thistle, edited by D.J. Slottje, JAI Press, Greenwich, CT, pp. 49-82, 1989.

"A Profile of Economic Poverty In Eastern North Carolina," in *Poverty in Eastern North Carolina*, with Lester A. Zeager, July 1990.

"Divorce and Married Women's Labor Supply," *Southern Review of Political Economy*, 4, 9-19, Spring 1986.

REVIEWING AND ACTIVITIES IN PROFESSIONAL ORGANIZATIONS:

Reviewed papers for *Journal of Public Economics*, *Southern Economic Journal*, *Economica*, *Review of Economics and Statistics*, *Social Science Quarterly*, *Applied Economics*, *Journal of Macroeconomics*.

More than twenty-five papers have been presented at regional, national, and international scholarly conferences.

Member of American Economic Association, Southern Economic Association, and Public Choice Society.

Ju-Chin Huang

Department of Economics
A-423 Brewster Bldg.
East Carolina University
Raleigh, N.C. 27858-4353

Phone: 919-757-6742 (Office)
919-321-1690 (Home)
Fax: 919-757-6743

EDUCATION:

Ph.D. (joint) Economics and Statistics, North Carolina State University
M. Sc., Economics, North Carolina State University, 1988
B. S., Agricultural Economics, National Taiwan University, Taipei, Republic of China, 1985.

CITIZENSHIP: Republic of China (Taiwan)

FIELDS OF CONCENTRATION FOR Ph.D.:

Advanced Econometrics
Environmental and Resource Economics

DISSERTATION:

New Discrete Choice Models for Valuing Environmental Amenities: Theory and Evaluation of Techniques

Co-Chairs: Dr. V. Kerry Smith, Economics
Dr. Douglas W. Nychka, Statistics

HONORS AND MEMBERSHIPS:

Gamma Sigma Delta, The Honor Society of Agriculture
Mu Sigma Rho, The National Statistical Honor Society
American Agricultural Economics Association
American Economics Association
Association of Environmental and Resource Economists
American Statistical Association

WORKING PAPERS AND PUBLICATIONS:

Smith, V. Kerry and **Ju-Chin Huang**. 1993. "Can Markets Value Air Quality? A Meta-Analysis of Hedonic Property Value Models," submitted for publication in Journal of Political Economy.

Smith, V. Kerry and **Ju-Chin Huang**. 1993. "Hedonic Models and Air Pollution: Twenty-Five Years and Counting," Environmental and Resource Economics 3, No. 4, 381-394.

Liu, Shiping, **Ju-Chin Huang**, and Gregory L. Brown. 1993. "Modeling Consumer Demand Adjustment with Lack of Trust," Presented in the annual meeting of Eastern Economics Association, March.

Huang, Ju-Chin. 1993. "Weak Complementarity: An Application in the Multiproduct Framework."

Huang, Ju-Chin. 1990. "An Almost Ideal Demand System for Housing Characteristics."

EXPERIENCE:

1. Research:

Graduate Research Assistant, North Carolina State University, 1986 to present
Evaluating welfare measures for non-marketed goods with corner solutions
Meta Analysis in Contingent Valuation Studies
Meta Analysis in Property Value Studies

Research Intern, Resources for the Future, Washington D.C., Summer, 1989

Research Assistant, Statistics Office, Council for Agriculture, Taipei, Republic of China, 1986
Edited Agricultural Year Book and Statistic Abstracts of International Trade in Agriculture

Research Assistant, Institute of Economics, Academia Sinica, Taipei, Republic of China, 1985
Analyzed the Impacts of Deregulating Apple Imports.

Summer Research Internship, Information Management Division, Council of Agricultural Development, Taipei, Republic of China, 1984
Agricultural Data Management

2. Teaching:

Instructor, Principles of Microeconomics and Intermediate Microeconomics
Department of Economics, East Carolina University, 1993

Instructor, Intermediate Microeconomics
Department of Economics, North Carolina State University, 1992

Teaching Assistant, North Carolina State University, 1986 - 1991

Responsible for grading homework, tests and conducting review sessions.

Graduate level: Microeconomics, Intermediate Econometrics, Mathematics for
Economists

Undergraduate level: Intermediate Microeconomics, Economics and Business
Statistics

REFERENCES:

Dr. V. Kerry Smith, Resource and Environmental Economics Program, Dept. of
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Dr. Raymond Palmquist, Chair, Dept. of Economics, Campus Box 8110, North
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Dr. Walter N. Thurman, Dept. of Agricultural and Resource Economics, Campus
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VITA

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PROFESSIONAL EXPERIENCE

Associate Professor (Tenured), Department of Economics, East Carolina University, August 1992 - Present.

Assistant Professor, Department of Economics, East Carolina University, 1986 - Spring 1992.

PUBLICATIONS

"An Empirical Analysis of Oil Price Shocks During the Interwar Period," with W. Douglas McMillin. Forthcoming in Economic Inquiry.

"Accounting for the Great Depression: A Historical Decomposition," with James Fackler. Forthcoming in Journal of Macroeconomics.

"A Comparison of Two Methods for Estimating Uncertainty with an Application to Aggregate Consumption Behavior." Applied Economics, vol. 24, 1992, 701-707.

"Income Uncertainty and the Onset of the Great Depression." Economic Inquiry, vol. 30, 1, January 1992, 154-171.

"Federal Debt, Tax-Adjusted q , and Macroeconomic Activity," with W. Douglas McMillin. Journal of Money, Credit, and Banking, vol. 23, 1, February 1991, 100-109.

"Some Evidence on the Effect of Income Uncertainty on Aggregate Consumption." Journal of Macroeconomics, vol. 12, 4, Fall 1990, 653-662.

"Anticipated Money, Unanticipated Money, and Output: 1873-1930," with James Fackler. Economic Inquiry, vol. 28, 4, October 1990, 774-87. Abstracted in the Journal of Economic Literature, vol. 29, 1, March 1991, 422.

"Some Evidence on the Persistence of Price and Output Shocks in the Pre-World War I and Post-World War II Eras." Economic Notes, vol. 19, 3, 1989, 413-22. Abstracted in the Journal of Economic Literature, vol. 28, 3, September 1990, 1523.

PAPERS SUBMITTED

"Worldwide Deflation in the Great Depression," with James Fackler. Submitted to Economic Inquiry.

"Further Evidence on the Stabilization of Postwar Economic Fluctuations," with Philip Rothman. Submitted to Economic Letters.

Papers in Progress

"An Empirical Test of the Debt-Deflation Hypothesis," with James Fackler.

"Documenting the Accumulation of Medium- and Long-Term Debt Prior to 1929," with James Fackler.

"Could a Credit Aggregate Target Have Prevented the Great Depression?"

"Have Postwar Economic Fluctuations Been Stabilized?: New Evidence Using Markov Switching," with James Fackler and Philip Rothman.

"The International Transmission of Shocks During the Great Depression," with James Fackler.

EDUCATION

Ph.D. Economics - 1986	University of Kentucky	Lexington, Kentucky
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M.A. Economics - 1984	University of Kentucky	Lexington, Kentucky
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B.S. Economics - 1982	Northern Illinois University	Dekalb, Illinois
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FIELDS OF RESEARCH INTEREST

Effectiveness of and Determinants of Monetary and Fiscal Policy
Business Cycles
Economic History

FIELDS OF TEACHING INTEREST

Macroeconomic Theory and Policy
Economic History

PROFESSIONAL MEMBERSHIPS

American Economic Association

Western Economic Association

Southern Economic Association

Referee: Journal of Macroeconomics

Journal of Money, Credit, and Banking

Southern Economic Journal

PRESENTATIONS

"Documenting the Accumulation of Medium- and Long-Term Debt Prior to 1929," to be presented at the sixty-third Southern Economics Association meetings, New Orleans, 1993.

"An Empirical Analysis of Supply Shocks During the Interwar Period," presented at the sixty-second Southern Economics Association meetings in Washington, DC, 1992.

"Was the Deflation during the Great Depression Anticipated? An International Investigation," presented at the sixty-first Southern Economic Association meetings in Nashville, 1991, Emory University, 1993.

"Accounting for the Great Depression: A Historical Decomposition," presented at the sixtieth Southern Economic Association meetings in New Orleans, 1990.

"Some Evidence on the Effect of Income Uncertainty on Aggregate Consumption," presented at the fifty-ninth Southern Economic Association meetings in Orlando, 1989.

"Anticipated Money, Unanticipated Money, and Output: 1873-1930," presented at the Federal Reserve Bank of Kansas City, Louisiana State University, East Carolina University, and the University of Kentucky.

"The Behavioral Response to Helmet Use in the National Hockey League," presented at the fifty-sixth Southern Economic Association meetings in New Orleans, 1986.

REFERENCES

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Dr. James S. Fackler
Department of Economics
University of Kentucky
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Dr. Steven Holland
Department of Economics
University of Kentucky
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LEOLA B. ROSS

Curriculum Vitae

Office Address

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East Carolina University
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Date of Birth: May 25, 1966

Citizenship: USA

Education:

Ph.D. in Economics
M.A. in Economics
B.A. in Economics &
Political Science

Southern Methodist University, expected August 1994
Southern Methodist University, August 1993

Drew University, May 1987

Academic Scholarships and Awards:

Graduate Research Award Program VII, National Research
Council's Transportation Research Board, 1993.

Graduate Fellowship, Southern Methodist University,
1990-1994.

Research Assistantship, Southern Methodist University,
Summer 1993.

Dissertation:

*An Analysis of Price Wars in the U.S. Airline Industry:
1990-1992*, Kathy J. Hayes, Advisor

Research Interests:

Industrial Organization - Applied Industry Studies
Public Finance - Bureaucracy and Efficiency
Microeconomic Theory - Applied Game Theory

Teaching Interests:

Industrial Organization - Undergraduate/Graduate
Public Finance - Undergraduate/Graduate
Microeconomic Theory - Undergraduate/Graduate
Health Care Economics - Undergraduate
Statistics and Econometrics - Undergraduate

Publications:

Ross, L.B., "A Dynamic Analysis of Oligopolistic Behavior in the U.S. Airline Industry", *Transportation Record*, (Forthcoming) 1994.

Presentations:

Hayes, K.J., L. Razzolini and L.B. Ross, "An Alternative Model of Local Government Resource Allocation Decisions", Regional Science Association International, Annual Meeting, November 11-13, 1993, in Houston, TX.

Hayes, K.J. and L.B. Ross, "A Study of the Domestic U.S. Airline Industry: 1990-1992", Southern Economics Association, Annual Meeting, November 21-23, 1993, in New Orleans, LA, and American Economics Association, Annual Conference, January 2-5, 1994, in Boston, MA.

Ross, L.B., "A Dynamic Analysis of Oligopolistic Behavior in the U.S. Airline Industry", Transportation Research Board, Annual Meeting, January 12-14, 1994, in Washington D.C.

Ross, L.B., "A Buyers Guide to Airline Tickets", American Economics Association, Annual Conference, January 1-4, 1995. (Forthcoming)

Research In Progress:

Hayes, K.J. and L.B. Ross, "The Decomposition and Recomposition of the Theil Coefficient: An Application to the Airline Industry Structure", Richard B. Johnson Center for Economic Studies Working Paper #9307.

Hayes, K.J. and L.B. Ross, "A Study of the Domestic U.S. Airline Industry: 1990-1992", Richard B. Johnson Center for Economic Studies Working Paper #9309.

Hayes, K.J., L. Razzolini and L.B. Ross, "An Alternative Model of Local Government Resource Allocation Decisions", Richard B. Johnson Center for Economic Studies Working Paper #9310.

Hayes K.J. and L.B. Ross, "A Study of Price Wars In the U.S. Airline Industry: 1990-1992" (Revision and update of Working Paper #9309).

Hayes K.J., L. Razzolini and L.B. Ross, "Using Charitable Contributions to Eliminate Adverse Selection".

Razzolini, L. and L.B. Ross, "Does the Behavior of the Slack Maximizing Bureaucrat Change Over Time?"

Professional Memberships:

American Economics Association
Southern Economics Association
Omicron Delta Epsilon, International Honor Society in Economics

Experience:

Southern Methodist University
Dallas, TX 1990-1994

Research Assistant:
Empirical Public Finance
Empirical Development
Economics
Econometrics

Austmet Inc.
Stamford, CT 1987-1990
Financial Supervisor

Teaching Assistant:
Industrial Organization
Microeconomics Principles
Intermediate Macroeconomics
Masters Econometrics

References:

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Curriculum Vitae

Philip Rothman

EDUCATION

New York University, Department of Economics.
Ph.D. in Economics, 1990.

University of Pennsylvania, School of Arts and Sciences.
B.A. in Economics and B.A. in Russian Language and Literature, 1982.

PUBLICATIONS

"Fractional Integration Analysis of Long-Run Behavior for U.S. Macroeconomic Time Series," (with N. Crato), Economics Letters, forthcoming.

"Further Evidence of Stochastic Trends with Portuguese Data," (with N. Crato) Estudos de Economia, forthcoming.

"International Evidence on Business Cycle Nonlinearity," 1993 Proceedings of the American Statistical Association Business and Economic Statistics Section, forthcoming.

"Review of Chaotic Dynamics," Journal of Economic Behavior and Organization, forthcoming.

"Time Irreversible Stock Returns," in Business Cycles: Theory and Empirical Methods, W. Semmler (ed.), Kluwer Academic Press, forthcoming.

"Time Reversibility," (with J. Ramsey) in Encyclopedia of Business Cycles, Panics, Crises, and Depressions, D. Glasner (ed.), Garland Press, forthcoming.

"Comment on 'Nonlinear Monetary Dynamics'", (with J. Ramsey) Journal of Business and Economic Statistics, 12, January 1994, 135-136.

"The Comparative Power of the TR Test Against Simple Threshold Models," Journal of Applied Econometrics, 7, Supplement, December 1992, S187-S196. Republished in Dynamics, Chaos, and Econometrics, H. Pesaran and S. Potter (ed.), John Wiley and Sons, 1993, 229-237.

"Further Evidence on the Asymmetric Behavior of Unemployment Rates Over the Business Cycle," Journal of Macroeconomics, 13, 1991, 291-298.

"The Statistical Properties of Dimension Calculations Using Small Data Sets: Economic Applications," (with J. Ramsey and C. Sayers) International Economic Review, 13, 1990, 991-1020. Republished in Cycles and Chaos in Economic Equilibrium, J. Benhabib (ed.), Princeton University Press, 1992, 394-428.

WORKING PAPERS

"Forecasting Asymmetric Unemployment Rates," submitted to Review of Economics and Statistics.

"Fractional Noise Forecasts of Exchange Rates," submitted to Empirical Finance.

"More Uncertainty about the Unit Root in GNP," submitted to Journal of Business and Economic Statistics.

"Time Irreversibility and Business Cycle Asymmetry," (with J. Ramsey) submitted to Journal of Money, Credit, and Banking.

"Further Evidence on the Stabilization of Postwar Economic Fluctuations," (with R. Parker) submitted to Economics Letters.

"Near Unit Root Processes and the KPSS Trend Stationary Test."

"Higher Order Residual Analysis for Simple Bilinear and Threshold Autoregressive Models."

"Time Irreversibility of Stationary Time Series: Estimators and Test Statistics," (with J. Ramsey).

"Is the Size Distribution of Income Stationary?"

"Independence and Changes in the Size Distribution of Income."

PROFESSIONAL EXPERIENCE

East Carolina University, Assistant Professor, 1992-present.

On tenure-track. Teaching courses in Microeconomic and Macroeconomic Theory, Econometrics, and Forecasting.

University of Delaware, Assistant Professor, 1990/92.

Two years on tenure-track. Taught courses in Microeconomic and Macroeconomic Theory, and Econometrics. Served on one M.A. Economics thesis committee and one Ph.D. Statistics thesis committee.

New York University.

Adjunct Assistant Professor, Summers 1990/91.

Taught M.S. courses in Statistics, Econometrics, and Microeconomic Theory.

CONFERENCE PARTICIPATION

Presented paper entitled "Time Irreversibility and Business Cycle Asymmetry" at session of the Econometric Society Winter Meetings, Boston, MA, January 4, 1994.

Presented paper entitled "Independence and Changes in the Size Distribution of Income" at special nonlinear time series session of the Eastern Economic Association Meetings, Washington, DC, March 17, 1993.

Presented paper at Business and Economic Statistics Section of the American Statistical Association session at the Joint Statistical Meetings, August 12, 1992.

Session chair for and presented paper entitled "Forecasting Asymmetric Unemployment Rates" at Society for Economic Dynamics and Control session at ASSA meetings, New Orleans, LA, January 4, 1992.

Presented paper entitled "Higher Order Residual Analysis" at session of Econometric Society Winter Meetings, New Orleans, LA, January 5, 1992.

Presented paper entitled "The Comparative Power of the TR Test Against Simple Threshold Models" at the UCLA/Journal of Applied Econometrics conference on "Nonlinear Dynamics and Econometrics," Los Angeles, CA, April 5, 1991.

Presented paper entitled "Time Irreversibility of Stationary Time Series: Estimators and Test Statistics" at the Institute for Mathematics and its Applications Summer Conference on "New Directions in Time Series Analysis," University of Minnesota, Minneapolis, MN, July 6, 1990.

Panel Discussant at National Bureau of Economic Research Universities Research Conference on "Asset Pricing and Financial Markets," Cambridge, MA, May 11, 1992.

REFEREEING

Referee for National Science Foundation.
Referee for American Economic Review.
Referee for Eastern Economic Journal.
Referee for The Economic Journal.
Referee for The Financial Review.
Referee for International Economic Review.
Referee for Journal of the American Statistical Association.
Referee for Journal of Business and Economic Statistics.
Referee for Journal of Macroeconomics.
Referee for Review of Regional Studies.
Referee for Western Political Quarterly.

AWARDS

East Carolina University, College of Arts and Sciences College Research Award.
Awarded August 1993.

Ehrlich Memorial Prize for best dissertation in NYU Department of Economic,
1990.

Edward J. Schumacher

Office Address

Department of Economics
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Areas of Study

Labor Economics, Industrial Organization, Health Economics

Education

Ph.D. in Economics, The Florida State University, Expected Spring 1994, GPA: 3.9

M.A. in Applied Economics, University of North Carolina, Greensboro, Spring 1989,
GPA: 3.9

BA in Economics, University of North Carolina, Greensboro, Summer 1987, GPA: 3.1

Dissertation

Title: "Wage and Employment Determination in the Labor Market for Nurses"

Dissertation Advisor: Barry T. Hirsch

Expected Defense: Spring 1994

Papers

Hirsch, Barry T. and Edward J. Schumacher, "Labor Earnings, Discrimination and the Racial Composition of Jobs", *Journal of Human Resources*, 27(4) Fall 1992, p. 602-628.

Hirsch, Barry T. and Edward J. Schumacher, "Monopsony Power and Relative Wages in the Labor Market for Nurses", submitted for publication.

Presentations

"Labor Earnings, Discrimination and the Racial Composition of Jobs", Presented at the American Economic Association's Annual Meetings, December 1990, and at the Southern Economic Association's Annual Meetings, November 1990.

"Monopsony Power and Relative Wages in the Labor Market for Nurses", presented at FSU Micro/Macro Workshop, October 1993, and the Southern Economic Association's Annual Meetings, November 1993.

Activities and Awards

- 1993: Co-editor, Graduate Student Economic Journal
- 1990: The John P. Formby Award For Research Excellence, University of North Carolina, Greensboro
- 1989: The Bryan School of Business and Economics Medal For Academic Achievement, University of North Carolina, Greensboro

Professional Experience

May 1993 - Present

Instructor, The Florida State University. Courses taught: Principles of Macroeconomics and Principles of Microeconomics.

Summer 1992

Instructor, The Florida State University. Courses taught: Introductory Economics.

August 1991 - May 1993

Teaching Assistant, The Florida State University. Assisted in teaching large lecture sections of Principles of Microeconomics and Macroeconomics.

January 1991 - Summer 1991

Instructor, University of North Carolina, Greensboro. Courses taught: four sections of Business Statistics and corresponding computer lab, utilizing PC-SAS and mainframe SAS.

August 1989 - December 1990

Staff Economist, R.L. Banks & Associates, Inc. Responsibilities included economic and statistical analysis, investigative research, technical writing and marketing for an Economic and Engineering Consulting firm based in Washington, D.C.

References

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CURRICULUM VITAE

GEORGE VAN HOUTVEN

March 1994

Education

- | | |
|------|---|
| 1993 | Ph.D. in Economics, University of Maryland |
| 1986 | Completed courses for M.A. in Economics, Catholic University of Louvain (Belgium) |
| 1985 | B.A. in Economics, Johns Hopkins University |

Experience

- | | |
|--------------|--|
| 1993 | Assistant Professor, Department of Economics, East Carolina University |
| 1991 to 1993 | Research Assistant, Resources for the Future and University of Maryland (Dr. Maureen Cropper) |
| Fall 1990 | Teaching Assistant, University of Maryland, (Dr. Clopper Almon). Graduate course in applied econometrics, macro-modeling and forecasting |
| 1990 | Summer Intern, Resources for the Future, (Dr. Carol A. Jones) |
| 1987 to 1990 | Instructor, University of Maryland. Principles of micro and macroeconomics (Departmental teaching award, 3 semesters) |

Research

"When is a Life Too Costly to Save? Evidence from Three EPA Programs," Ph.D. Dissertation, Department of Economics, University of Maryland, July 1993.

"When is a Life Too Costly to Save? The Evidence from Environmental Regulations," Resources for the Future, Center for Risk Management, Discussion Paper CRM 93-02, July 1993 (with Maureen Cropper)

- submitted to Journal of Law and Economics, 3/93.

"When is a Life Too Costly to Save? The Evidence from Environmental Regulations," Resources, No. 114, Winter 1994 (with Maureen Cropper) p. 6-10.

"The Value of Superfund Cleanups: Evidence from EPA Decisions" (with Shreekant Gupta and Maureen Cropper)

- submitted to The RAND Journal of Economics, 1/94.

"Do Benefits and Costs Matter in Environmental Regulation? An Analysis of EPA Decisions Under Superfund," Resources for the Future, Center for Risk Management, Discussion Paper CRM 93-04, August 1993 (with Shreekant Gupta and Maureen Cropper), forthcoming in Superfund Reauthorization: Theoretical and Empirical Issues, Richard Revesz, ed., to be published by Resources for the Future

"Bureaucratic Discretion in Environmental Regulations: The Air Toxics and Asbestos Ban Cases"

- accepted (12/93) by Roger Congleton, editor, for inclusion in Political Economy of Environmental Protection: Analysis and Evidence, which is to be submitted to University of Michigan Press for publication.

"Cleanup Decisions Under Superfund: Do Costs and Benefits Matter?," Resources, No. 111, Spring 1993 (with Maureen Cropper and Shreekant Gupta) p. 13-17.

Papers Presented

"Balancing Costs and Benefits in Regulatory Decisions: An Analysis of EPA Decisionmaking"

presented with Dr. Maureen Cropper

- NBER Summer Institute, Workshop of Environmental Economics, August 1992
- M.I.T., Workshop on Energy and Environmental Policy Research, April 1992
- ASSA/AEA Annual Meeting (Anaheim, CA), January 1993
- Resources for the Future, Seminar Series, October 1993

"Do Benefit-Cost Considerations Play a Role in Superfund Decisions?"

presented with Dr. Maureen Cropper and Shreekant Gupta

- Resources for the Future, Seminar Series, October 1992
- Southern Economic Association Meetings (New Orleans), November 1993

Reviewing Activities

Referee for Risk Analysis

Department and University Committees

Academic Program Committee and Library Representative, 1993-94

John C. Whitehead

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Personal: Born February 16, 1963; Married, No children

Education

Ph.D. Economics, University of Kentucky, Lexington, KY, May
1990.

Dissertation: "The Effect of Substitutes on Existence Value and Nature
Preservation in Benefit Cost Analysis," Chair: Glenn C. Blomquist.

Fields of Concentration: Natural Resource and Environmental Economics,
International Economics.

Dissertation Research Fellow, "Applied Microeconomics Research Program,"
Kentucky EPSCoR, National Science Foundation Grant (RII-8610671).

M.A. Economics, University of Kentucky, Lexington, KY, December 1987.

B.A. Economics, Centre College, Danville, KY, May 1985.

Omicron Delta Epsilon, 1985.

Academic Experience

Assistant Professor, Department of Economics, East Carolina University, August
1989 - Present; Associate Graduate Faculty, November 1991 - Present.

Teaching and Research Assistant, Department of Economics, University of
Kentucky, August 1985-May 1989.

Professional Interests

A. Research

Natural Resource Valuation, Environmental Policy, Outdoor Recreation, International
Environmental Problems, Benefit-Cost Analysis, Applied Microeconomics

B. Teaching

Natural Resource and Environmental Economics, Microeconomic Theory,
International Trade, Principles of Economics

Publications

A. Refereed Journal Articles

"Specification Bias in Contingent Valuation from Omission of Relative Price Variables," with Thomas Hoban and William Clifford, Southern Economic Journal (forthcoming April 1994).

"The Implicit Price of Sulfur in Bituminous Coal," with Timothy Stanton, Applied Economics (forthcoming).

"Item Nonresponse Bias in Contingent Valuation: Should CV Researchers Impute Values for Missing Independent Variables?" Journal of Leisure Research (forthcoming).

"Conservation Organizations and the Option to Preserve: An Application to Debt-for-Nature Swaps," with Catherine M. Chambers and Paul E. Chambers, Ecological Economics (forthcoming February 1994).

"Economic Valuation of Wetland Resources: A Review of the Value Estimates," Journal of Environmental Systems (forthcoming).

"Environmental Preservation and Corporate Involvement: Green Products and Debt-for-Nature Swaps" with Catherine M. Chambers and Paul E. Chambers, Review of Business, 15, 17-21, 1993.

"Testing for Nonresponse and Sample-Selection Bias in Contingent Valuation: Analysis of a Combination Phone/Mail Survey," with Peter Groothuis and Glenn Blomquist, Economics Letters 41, 215-220, 1993.

"Contingent Values for Coastal and Marine Wildlife: Specification, Validity, and Valuation Issues," Marine Resource Economics, 8 (2): 119-132, 1993.

"Sample Nonresponse Bias and Aggregate Benefits in Contingent Valuation: An Examination of Early, Late, and Non-Respondents," with Michael Dalecki and Glenn C. Blomquist, Journal of Environmental Management, 38: 133-143, 1993.

"Environmental Preservation Demand: Altruistic, Bequest, and Intrinsic Motives," with Carol Thompson, American Journal of Economics and Sociology, 52 (1): 19-30, 1993.

"Measuring Resource Use Value from Recreation Participation," Southern Journal of Agricultural Economics, 24 (2): 113-120, 1992.

"Benefits of Quality Changes in Recreational Fishing: A Single-Site Travel Cost Approach," Journal of Environmental Systems, 21 (4): 319-326, 1991-1992.

"Economic Benefits of Improved Water Quality: A Case Study of North Carolina's Tar-Pamlico River," with Peter A. Groothuis, Rivers 3 (3): 170-178, 1992.

"Ex-Ante Willingness to Pay with Supply and Demand Uncertainty: Implications for Valuing a Sea Turtle Protection Program," Applied Economics, 24 (9): 981-988, 1992.

"Measuring Contingent Values for Wetlands: Effects of Information about Related Environmental Goods," with Glenn C. Blomquist, Water Resources Research, 27 (10): 2523-2531, 1991.

"A Link Between Behavior, Information, and Existence Value," with Glenn C. Blomquist, Leisure Sciences 13 (2):93-110, 1991.

"Environmental Interest Group Behavior and Self-Selection in Contingent Valuation Mail Surveys," Growth and Change 22 (1): 10-21, 1991.

"Measuring Willingness to Pay for Wetlands Preservation with the Contingent Valuation Method," Wetlands, 10 (2):187-201, 1990.

"A Comment on 'Differential Campsite Pricing,'" Journal of Leisure Research 22 (3):276-279, 1990.

B. Other Articles

"Economic Value of Threatened and Endangered Species: A Case Study of Coastal Nongame Wildlife," Transactions of the 57th North American Wildlife and Natural Resources Conference, Wildlife Management Institute, Washington, DC, 1992.

"Polychotomous Choice Valuation Questions," with Richard Ready and Glenn Blomquist, in Benefits and Costs in Natural Resources Planning, Proceedings of the Western Regional Research Project W-133, Fourth Interim Report, ed. by Catherine Kling, June, 1991.

C. Grant Reports

"Contingent Valuation Technical Analysis," in Public Attitudes Toward Water Quality and Management Alternatives in the Albemarle-Pamlico Estuarine System, by Thomas Hoban and William Clifford, Phase II Report, Project No. 89-6, Albemarle-Pamlico Estuarine Study, U.S. Environmental Protection Agency and North Carolina Department of Environment, Health, and Natural Resources, Raleigh, NC, August, 1992.

"Contingent Valuation Technical Analysis," in Public Attitudes Toward Air and Water Quality in Gaston County, Final Report Submitted to the Gaston County Quality of Natural Resources Committee, by Thomas J. Hoban, Extension Sociology, N.C. Cooperative Extension Service, Raleigh, NC., October 1991.

Measuring Public Benefits of Nongame Wildlife in Eastern North Carolina, Final Report Submitted to the North Carolina Wildlife Resources Commission, Nongame Small Grants Program, Raleigh, NC, April 1991.

The Effect of Alternative and Reclaimed Areas on the Value of Wetlands (with Glenn C. Blomquist), Office of Surface Mining Reclamation and Enforcement, U.S. Department of the Interior, Technical Report 597, Pittsburgh, PA, January 1991.

Review and Assessment of Certificate of Need, Investigator with Glenn C. Blomquist (Principle Investigator) and Richard W. Furst (Reader), Final Report Submitted to Humana Hospital, Louisville, KY, May 1989.

D. Book Reviews

"Pleasure vs. Preservation," review of Outdoor Recreation Policy: Pleasure and Preservation, ed. by John D. Hutcheson, Jr., Francis P. Noe, and Robert E. Snow, in Growth and Change, pp. 376-378, Summer 1992.

Review of The Environmental Factor: Its Impact on the Future of the World Economy and Your Investments, by Michael Silverstein, in Environmental History Review, pp. 112-113, Summer 1991.

"Environmental Watchdogs," review of Wildlife in the Public Interest: Nonprofit Organizations and Federal Wildlife Policy, by James A. Tober, in Growth and Change, pp. 95-96, Fall 1990.

Funded Research

A. Externally Funded

"Measuring Public Benefits of Nongame Wildlife in Eastern North Carolina," North Carolina Wildlife Resources Commission, Nongame Small Grants Program, May 1990 - April 1991.

"The Effect of Alternative and Reclaimed Areas on the Value of Wetlands," Co-Principal Investigator with Glenn C. Blomquist, U.S. Department of the Interior, Office of Surface Mine Reclamation and Enforcement, September 1989 - September 1990.

"Review and Assessment of Certificate of Need," Investigator with Glenn C. Blomquist (Principle Investigator) and Richard W. Furst (Reader), Humana Hospital, Louisville, KY, January 1989 - May 1989.

B. Internally Funded

"The Economic Value of Water Quality and Wildlife Habitat in the Albemarle-Pamlico Estuarine System," East Carolina University, Faculty Senate Research/Creative Activity Committee, Summer Research Stipend, 1992.

"Measuring the Effects of Quality Uncertainty on the Benefits of Natural Resource-Related Outdoor Recreation." East Carolina University, Faculty Senate Research/Creative Activity Committee, Academic Year Grant, 1990 - 1991.

Current Research

A. Working Papers

"Contingent Valuation when Respondents are Ambivalent," with Richard Ready and Glenn Blomquist.

"Special Interests and Comparative State Policy: An Analysis of Environmental Quality Expenditures," with Timothy Stanton.

"Wetlands Valuation and Policy Analysis: The Case of Kentucky Wetlands and Surface Coal Mining," with Glenn C. Blomquist.

"Resource Quality Information and Validity of Willingness to Pay in Contingent Valuation" with Glenn C. Blomquist.

"An Analysis of Implicit Markets for the Characteristics of Backpacking Equipment," with Catherine Chambers and Paul Chambers.

"Preservation Choice and Conservation Organization Behavior," with Catherine M. Chambers and Paul E. Chambers.

"WTP for Quality Improvements: Comparative Statics and Theoretical Interpretations of CV Results."

"Debt-for-Nature Swaps as Noncooperative Outcomes" with Paul E. Chambers and Richard Jensen.

"Assessing the Validity and Reliability of Contingent Values: A Comparison of On-site Users, Passive Users, and Nonusers," with Glenn Blomquist, Thomas Hoban and William Clifford.

"Determinants of Willingness to Pay for Local Environmental Quality" with Thomas Hoban and Leon Danielson.

"Measurement Issues with Iterated, Continuous/Interval Contingent Valuation Data" with Thomas Hoban and William Clifford.

"Sample Bias in Contingent Valuation: A Comparison of the Correction Methods" with Peter A. Groothuis, Thomas Hoban and William Clifford.

"A Willingness-to-Accept Contingent Valuation Estimate of the Compensation Required to Site a Hazardous Waste Disposal Facility," with Peter A. Groothuis and George Van Houtven.

"Determinants of Scores on General Economics Exams: A Pooled Cross-Section, Time Series Analysis"

Research Presentations

A. Papers Presented at Professional Meetings

Southern Economic Association, "Specification Bias in Contingent Values from Omission of Relative Price Variables," New Orleans, LA, November 1993.

Southern Economic Association, "The Implicit Price of Sulfur in Bituminous Coal," New Orleans, LA, November 1993.

Eastern Economic Association, "Specification Bias in Contingent Values from Omission of Relative Price Variables," Washington, DC, March 1993.

Eastern Economic Association, "Implicit Markets for Backpacking Equipment Characteristics," Washington, DC, March 1993.

Southern Economic Association, "Special Interests and Comparative State Policy: An Analysis of Environmental Quality Expenditures," Washington, DC, November 1992.

57th North American Wildlife and Natural Resources Conference, "Economic Value of Threatened and Endangered Species: A Case Study of Coastal Nongame Wildlife," April 1992.

Southern Economic Association, "Polychotomous Choice Valuation Questions," Nashville, TN, November 1991.

Eastern Economic Association, Association of Environmental and Resource Economists, "Quality Information and Reliability in Resource Valuation" Pittsburgh, PA, March 1991.

Southern Economic Association, "Measuring the Value of Wetlands Preservation: The Influence of Types of Wetlands and Substitutes," New Orleans, LA, November 1990.

Eastern Economic Association, Association of Environmental and Resource Economists, "A Link Between Behavior, Information, and Existence Value," Cincinnati, OH, March 1990.

American Economic Association, Association of Environmental and Resource Economists, "Substitute Environmental Goods and Existence Value," (presented with Glenn C. Blomquist) Atlanta, GA, December 1989.

Midwest Economic Association, "The Effect of Substitute Environmental Goods on Nonuse Value," Cincinnati, OH, March 1989.

B. Other Presentations

Triangle Camp Resources, "Sample Bias in Contingent Valuation: A Comparison of the Correction Methods," Beaufort, NC, August 1993.

Economics Seminar, East Carolina University, "Assessment of the Validity and Reliability of Use and Nonuse Values," October 1993.

Resource and Environmental Economics Workshop, North Carolina State University, "Assessment of the Validity and Reliability of Use and Nonuse Values," May 1993.

Economics Seminar, East Carolina University, "Special Interests and Comparative State Policy: An Analysis of Environmental Quality Expenditures," September 1992.

Economics Seminar, East Carolina University, "Measuring Resource Use Value from Recreation Participation," October 1991.

Economics Seminar, East Carolina University, "Quality Information and Reliability in Resource Valuation," October 1990.

Natural Resource Economics Workshop, North Carolina State University, "Substitute Environmental Goods and Existence Value," February 1990.

Uncertainty Workshop, Economics Department, East Carolina University, "Nonmarket Valuation of Environmental Goods Under Uncertainty, November 1989.

Applied Microeconomics Workshop, University of Kentucky, "The Effect of Substitute Environmental Goods on Nonuse Value," November, 1988.

Service

A. University

Participating Faculty Member, Statistical Consulting Laboratory, Fall 1993 - Present
Committee on the Status of Women, 1991 - Present Chair - Women's Sports
Subcommittee 1991 - 1993

Chancellor's Forum, 1990

Survey Research Laboratory Faculty Advisory Board, Fall 1991

B. Department

Graduate Program/Research Committee, Fall 1993 - Present

Faculty Senate Alternate, Fall 1993 - Present

Advisory/Recruiting Committee, 1991 - 1993

Academic Program Committee, 1990 - 1992

Ad-Hoc Graduate Planning Committee, Spring 1991

Ad-Hoc SACS Committee, Spring 1990

Library Representative, 1990 - 1992

C. Professional

Discussant, "Energy and the Environment: II" Session, Southern Economic Association, New Orleans, LA, November 1993.

Discussant, "Environmental Issues" and "Technological Change" Sessions, Eastern Economic Association, Washington, DC, March 1993.

Discussant, "Creating Incentives for Global Environmental Change" Session, American Economic Association/Association of Environmental and Resource Economists, Anaheim, CA January 1993.

Discussant, "Evaluation of Environmental Amenities" Session, Southern Economic Association, Nashville, TN, November 1992.

Chairperson, "Environmental Economics II" Session, Southern Economic Association, Nashville, TN, November 1991.

Discussant, "Valuation and Control of Environmental Quality" Session, Eastern Economic Association, Pittsburgh, PA, March 1991.

Discussant, "Environmental Regulation and Efficiency" Session, Eastern Economic Association, Cincinnati, OH, March 1990.

Referee, Journal of Environmental Economics and Management, 1990, 1992, 1993.

Referee, Ecological Economics, 1992, 1993.

Referee, Growth and Change, 1990, 1993, 1994.

Referee, Quarterly Journal of Business and Economics, 1993.

D. Community

"The economics of a healthy river," Currents, Washington, NC: Pamlico-Tar River Foundation, Volume 12, Number 2, Page 6, Winter 1993.

Texasgulf Environmental Impact Statement - Extended Review Committee, Pamlico-Tar River Foundation, 1991 - 1992.

Presentation "Contingent Valuation Technical Analysis of Public Attitudes Toward Air and Water Quality in Gaston County," to the Gaston County Quality of Natural Resources Committee, November 1991.

Presentation "Measuring Economic Damage to Wetlands from Surface Coal Mining," to the North Carolina State University Ecology Seminar (ECO 690), Raleigh, NC, February 1991.

E. Professional Membership

American Economic Association
Southern Economic Association
Association of Environmental and Resource Economists
American Agricultural Economics Association
Southern Agricultural Economics Association
International Society of Ecological Economists

References

Dr. Glenn C. Blomquist
Professor of Economics
and Public Administration
Department of Economics
University of Kentucky
Lexington, KY 40506-0034
(606) 257-3924

Dr. Carson Bays
Chair and Professor of Economics
Department of Economics
East Carolina University
Greenville, NC 27858-4353
(919) 757-6006

Dr. Thomas J. Hoban
Extension Sociology Specialist
Department of Sociology
Box 8107
Raleigh, NC 27695-8107
(919) 515-2670

Curriculum Vitae

DR. LESTER A. ZEAGER

PERSONAL:

Born: December 14, 1958, Hershey, PA, USA.

SSN: 184-48-8164

Address: Department of Economics, Brewster Bldg., East Carolina University, Greenville, NC, 27858.

Phone: Office (919) 757-6408; Home (919) 758-6782.

FAX: 919-757-6743. Bitnet: ECZeager@ECUVM1.

EDUCATION:

Ph.D. University of Pittsburgh, 1987.

B.A. Millersville State College, 1981.

FACULTY AND UNIVERSITY APPOINTMENTS:

1993- Associate Professor of Economics, East Carolina University.

1987-93 Assistant Professor of Economics, East Carolina University.

1986-87 Instructor, East Carolina University.

RESEARCH AND TEACHING INTERESTS:

Poverty Measurement and Poverty Policy, Work Disabilities, Labor Migration and Turnover, Development Economics, Labor Economics, Public Finance.

REFEREED PUBLICATIONS:

"Comparing Earnings Profiles in Urban Areas of an LDC: Rural-to-Urban Migrants vs. Native Workers," (with Wim Vijverberg) Journal of Development Economics, forthcoming.

"Gender Differences in Wage Losses from Impairments: Estimates from the SIPP," (with Marjorie Baldwin and Paul Flacco) Journal of Human Resources, forthcoming.

"Evaluating a Neglected Dimension of Economic Development: Mortality, Risk Aversion, and Uncertainty," (with John Bishop and John Formby) International Review of Economics and Finance, forthcoming.

"Steady-State Labor Turnover as Optimal Household Behavior," (with Gene Gruver) Journal of Regional Science, February 1994, pp. 75-90.

"Agricultural Price Policy in a Less Developed Economy with Endogenous Urban Wages," (with Gene Gruver) Journal of Economic Development, June 1993, pp. 127-141.

"Nutrition and Nonparticipation in the U.S. Food Stamp Programme," (with John Bishop and John Formby) Applied Economics, September 1992, pp. 945-949.

"Disabilities, Mandatory Worksite Modifications, and Employment: Some Potential Policy Dilemmas," (with Paul Flacco) Public Finance Quarterly, April 1992, pp. 256-270.

"Welfare Evaluations of State Income Distributions," (with John Bishop and John Formby) Social Science Quarterly, March 1992, pp. 166-176.

"Constructing Poverty Rankings for State Subregions: A Case Study of North Carolina," (with John Bishop) Review of Regional Studies, Spring 1990, pp. 24-33.

"Economic Incentives for an Urban Bias in Development Policies," (with Gene Gruver) Bulletin of Economic Research, January 1990, pp. 55-62.

"The Competitive Firm with Uncertainty in the Rate of Labor Turnover," (with Paul Flacco) Southern Economic Journal, October 1989, pp. 457-466.

OTHER PUBLICATIONS:

"Evaluating the Impact of the Food Stamp Program on Poverty in the 1980s," (with John Bishop and John Formby) A Research Report to the United States Department of Agriculture, Food and Nutrition Service, April 30, 1993.

"A Profile of Economic Poverty in Eastern North Carolina," (with John Bishop) Proceedings of the 1988 Conference on Poverty: Poverty in Eastern North Carolina, East Carolina University, pp. 44-56.

GRANTS AWARDED:

"Food Stamp Program vs. Nutrition Assistance Program: Implications for Undernutrition," East Carolina University, Summer Stipend from the Research/ Creative Activity Committee, 1993.

"Evaluating the Impact of the Food Stamp Program on Poverty in the 1980's," U.S. Department of Agriculture, 1991-92, co-investigator with John Bishop and John Formby (principal investigator).

"Relative Undernutrition among Potential Food Stamp Recipients," East Carolina University, Summer Stipend from the Vice Chancellor of Academic Affairs, 1991.

PAPERS UNDER REVIEW AT REFEREED JOURNALS:

"On Comparing Tax Progressivity of U.S. States: When do the Indexes Tell the Same Story?" (with John Bishop and John Formby) revised and resubmitted to Public Finance Quarterly.

"Policies to Assist Workers with Disabilities: Wage vs. Training Subsidies," (with Paul Flacco) revised and resubmitted to Public Finance Quarterly.

"The Impact of Food Stamps on U.S. Poverty in the 1980s: A Marginal Dominance Analysis," (with John Bishop and John Formby) submitted to Economica.

"Relative Undernutrition in Puerto Rico under Alternative Food Assistance Programs," (with John Bishop and John Formby) submitted to Economic Development and Cultural Change.

PRESENTATIONS AT PROFESSIONAL MEETINGS:

"Comparing Earnings Profiles in Urban Areas of an LDC: Rural-to-Urban Migrants vs. Native Workers," (with Wim P.M. Vijverberg) Development and Comparative Systems Workshop, Department of Economics, University of Pittsburgh, Pittsburgh, PA, March 1994.

"Food Stamps and Poverty in the United States: A Dominance Analysis," (with John Bishop and John Formby) International Seminar on Economic Policy and Income Distribution, The Hebrew University, Israel, May 1993.

"The Role of Food Stamps in Predicting the Intensity of Poverty," (with John Bishop and John Formby) Southern Economic Association Meetings, Washington, D.C., November 1992.

"Gender Differences in Wage Losses from Impairments," (with Marjorie Baldwin and Paul Flacco) Western Economic Association International Meetings, San Francisco, CA, July 1992.

"Wage Determination under Employer Uncertainty: A Unified Analysis for Workers with Disabilities, Immigrants, and other Minorities," (with Marjorie Baldwin and Paul Flacco) Southern Economic Association meetings, Nashville, TN, November 1991.

"What do Disability Programs Provide: Insurance against Disability or Relief from Poverty?" (with Marjorie Baldwin and John Bishop) Western Economic Association International meetings, Seattle, WA, June 1991.

"A Theory of Steady State Labor Mobility," (with Gene Gruver) Eastern Economic Association meetings, Pittsburgh, PA, March 1991.

"Stochastic Dominance Evaluations of Mortality Distributions," (with John Bishop and John Formby) Eastern Economic Association meetings, Pittsburgh, PA, March 1991.

"Assisting Disabled Workers through Wage and Training Subsidies to Firms," (with Paul Flacco) Western Economic Association meetings, San Diego, CA, July 1990.

"Impairments, Disabilities, and Wages: Evidence from the SIPP," (with Marjorie Baldwin and Paul Flacco) Atlantic Economic Association meetings, Williamsburg, VA, October 1990.

"Optimal Training and Wages for the Competitive Firm under Uncertainty in a Labor Turnover Model," (with Paul Flacco) Southern Economic Association meetings, Orlando, FL, November 1989.

"Urban Consequences of Rural Development in Countries with Circular Labor Migration," (with Gene Gruver) Eastern Economic Association meetings, Baltimore, MD, March 1989.

"Tests of the Labor Turnover Theory of Wage Determination in Tanzania," Eastern Economic Association meetings, Boston, MA, March 1988.

OTHER PROFESSIONAL ACTIVITIES:

Referee: Journal of Regional Science, Journal of Macroeconomics.

Member: American Economic Association.

1991 Program Committee, Eastern Economic Association meetings.

AWARDS:

Owens Fellowship, University of Pittsburgh, 1985-86.

Wall Street Journal Award, Millersville State College, 1981.

Commonwealth National Bank Award, Millersville State College, 1981.

PLEASE POST FOR ALL FACULTY TO READ!

EAST CAROLINA UNIVERSITY FACULTY SENATE

FULL MINUTES OF 13 SEPTEMBER 1994

The first regular meeting of the 1994-95 Faculty Senate was held on Tuesday, 13 September, 1994, in the Mendenhall Student Center Great Room.

Agenda Item I. Call to Order

Chair Patricia Anderson called the meeting to order at 2:10 p.m.

Agenda Item II. Approval of Minutes

The minutes of 19 April 1994 and 20 April 1994, were approved as written.

Agenda Item III. Special Order of the Day

A. Roll Call

Senators absent were: Doty (Business) and Miller (Philosophy).

Alternates present were: Sehgal and McDaniel for Brinson and Stellwag (Biology), Schadler for Killingsworth (Business), and Walsh for Pokorny (Nursing).

The Faculty Senate body observed a moment of silence in honor of Dr. David Gobeski from the School of Industry and Technology. Rita Reaves (Industry and Technology) took a moment to reflect on the contributions of Professor Gobeski and noted that he would be missed by his colleagues and the students.

B. Announcements

- The Chancellor has approved the following resolutions:
 - #93-42 Amendment to Section V. of Appendix A. Faculty Constitution of the *ECU Faculty Manual*
 - #94-21 Curriculum matters contained in the minutes of the University Curriculum Committee's meeting of 24 March 1994
 - #94-22 Four-Year Honors Program
 - #94-23 Recommendations concerning East Carolina University's Graduation Rates
- The Majors/Minors Fair is scheduled for Wednesday, November 2, 1994, from 12:30 to 3:30 in the Mendenhall Great Room. Departments and schools will be notified regarding this event.
- All faculty and administrators are invited to attend the celebration of 29 years of shared faculty governance and recent renovations of the Faculty Senate office. The open house will be held on Friday, 30 September 1994, from 1:00 to 4:00 in Rawl Annex.
- The third annual Academic Computing Technology Fair is scheduled for Tuesday, 8 November 1994, from 10:00 to 3:00 in the Multipurpose room of the Mendenhall Student Center. Participation from every unit is encouraged and presentation space is limited, so early commitments are requested. Please refer questions to Terry Harrison, Academic Computing, ext. 6798.
- 1994-1995 applications for Research/Creative Activity Grants and Teaching Grants are available in the Faculty Senate office (140 Rawl Annex). Deadlines for the grants are as follows:
 - 1995 Research Summer Stipends are due by 1 October 1994.
 - 1995 Research Project Expense Grants are due by 15 January 1995.
 - All 1994-1995 Teaching Grants are due by 1 December 1994.
- Units are urged to forward curriculum matters to the University Curriculum Committee as soon as possible for inclusion in the 1995 Curriculum Catalog Supplement.
- The State Employees Combined Campaign held its kickoff event recently. All faculty and staff will be receiving calls regarding consideration of this important opportunity for our campus community.
- A thanks was extended to all Faculty Senators and Alternates who attended the public hearings on the Draft Goals for the 1995-2000 Strategic Planning Process.

C. Richard Eakin, Chancellor

Chancellor Eakin welcomed everyone to the first Faculty Senate meeting of the academic year and expressed a personal sense of loss to the School of Industry and Technology in the recent death of Dr. Gobeski. He announced that after many revisions and much work the *ECU Faculty Manual*, Appendix D had received final approval by the Board of Governors on Friday, 9 September 1994. It was noted that the revisions to Appendix D were six years in the making. The Chancellor expressed his personal thanks to all who had worked on the revisions.

During the September 9th Board of Governors meeting ECU was granted authorization to offer the MSA (Master of School of Administration) degree. ECU was one of seven schools in the University system approved for the MSA based on external reviews. ECU was judged second highest in its presentation. The Chancellor expressed congratulations to the School of Education for all their hard work.

Chancellor stated that Fall 1994 enrollment was down, with last year's enrollment at 17,728, and current fall enrollment at 17,570. He stated that there is some cause for concern regarding a stable enrollment. Efforts have begun to ensure strong spring enrollment since funding is based on the average of Fall and Spring FTE's. This is a concern since faculty positions are funded on 16 FTE students for each faculty member.

The Chancellor concluded his remarks with a positive note regarding the Shared Visions campaign. The campaign has reached over \$46 million, well within the reach of the \$50 million goal. This puts the campaign one full year ahead of schedule.

Following his remarks, Chancellor Eakin responded to questions. Ferrell (History) had several questions regarding the implementation of *ECU Faculty Manual*, Appendix D. He stated that there has been some concern as to whether or not it would be a material procedural irregularity if an additional person or persons are included or if additional steps are included in the recommendation for tenure. The Chancellor stated that he would take Professor Ferrell's remarks under advisement. Chancellor Eakin stated that his thoughts are that any administrator could seek out counsel for any decision, so long as the decision reached is that of the administrator. Ferrell (History) stated that the concern was on the interjecting of additional standards. Ferrell (History) requested that the Chancellor devise a standard definition of the items recorded in the annual reports of each faculty person. Ferrell stated that it appeared that individual units define research, creative activity, service, and teaching differently.

D. Tinsley Yarbrough, Interim Vice Chancellor for Academic Affairs

Interim Vice Chancellor Tinsley Yarbrough began his remarks by stating that it was a pleasure to be with the Faculty Senate. In regards to *ECU Faculty Manual*, Appendix D and its implementation, a memorandum dated 24 August 1994, was sent from Vice Chancellors Hallock and Yarbrough to administrators highlighting and clarifying various provisions of the revised Appendix D. He noted dates of the Appendix D orientation sessions and encouraged all faculty to take these sessions seriously. Vice Chancellor Yarbrough stated that he would be distributing memoranda on Appendix D as needed. He announced that he had already written a memorandum, dated 13 September 1994, regarding the use of external peer reviews of research and creative activities for promotion and tenure decisions. On another matter, Vice Chancellor Yarbrough stated that he was concerned about the enhancement and evaluation of teaching. The General Administration had instructed UNC campuses to create faculty development centers. He stated that a provision for a full time director of faculty development was provided and support had been put in the expansion budget request. He stated that he hoped to send a memorandum soon regarding a way of having some uniformity in the class visitation portion on teaching evaluation.

E. James Hallock, Vice Chancellor for Health Sciences

Vice Chancellor Hallock welcomed everyone back. He updated the Faculty Senate on the University's work in tele-medicine. The School of Medicine has had a test tele-connection with Central Prison for about two years. During this time it had been used for more consultations using tele-medicine than any other institution in the country. Two additional sites are to be added:

Ahoskie (Roanoke-Chowan Hospital) and Martin County (Martin County General Hospital). He explained grants the Division has received, possible future uses of tele-medicine, and some of the technology used in tele-medicine (i.e. special suites and virtual reality gloves). Following his remarks, Vice Chancellor Hallock responded to questions. Ferrell (History) asked where laboratory work would be done. Vice Chancellor Hallock responded that some reports, such as x-rays, could be faxed. However, specimen work would either be done on site or have the specimens transported to Greenville.

F. Dave Hart, Director of Athletics

Mr. Hart was called away to attend a funeral and will report to the Faculty Senate later in the year.

G. George Harrell, Assistant Vice Chancellor for Business Affairs, Facilities Services

Assistant Vice Chancellor Harrell presented a narrated slide presentation on various construction work being done on campus. At the conclusion of his presentation, York (Academic Library Services) expressed his appreciation for the extra efforts taken to preserve and reuse the old tiles while re-roofing the old Cafeteria. Sexauer (Art) asked about the lack of grass around the Rawl building. Assistant Vice Chancellor Harrell stated that there were plans to improve the area between the Wright Soda Shop and make a pedestrian walk. The Chancellor also noted that there are plans to increase the size of the Wright Soda Shop and other alternatives in that area. Allred (Psychology) questioned the University's compliance with American Disability Act (ADA) guidelines. Assistant Vice Chancellor Harrell responded that work was being done and funding sought to complete the remaining compliances. Chair Anderson mentioned the recent renovations to Faculty Senate office and extended an invitation to everyone for the Open House on September 30th from 1:00 to 4:00.

H. Larry Hough, Faculty Assembly Delegate

Professor Hough presented a report on the Faculty Assembly meeting of 22 April 1994. The complete report is available for review in the Faculty Senate office, 140 Rawl Annex. York (Academic Library Services) asked the Faculty Assembly Delegates to inquire about the pay raise disparity between library faculty and instructional faculty.

I. Election of Two Faculty Senate Agenda Committee Members

During the 20 April 1994, Organizational meeting, five faculty members were elected to serve on the Agenda Committee. One member resigned from the committee, due to an unexpected change in personnel and class assignments and the other member is not a current member of the Faculty Senate and is thus ineligible to serve on the Agenda Committee. The remaining three committee members, Professors Brenda Killingsworth (Business), Worth Worthington (Medicine) and Conner Atkeson (History) have remained on the Committee. Susan McDaniel (Biology) and Bob Muzzarelli (Allied Health Sciences) were elected by acclamation to fill these two vacancies on the Agenda Committee.

Agenda Item IV. Unfinished Business

There was no unfinished business to come before the Faculty Senate at this time.

Agenda Item V. Report of Committees

Educational Policies and Planning Committee, Worth Worthington

Worth Worthington (Medicine), Chair of the Committee, presented the committee's recommendation on decoding of Division of Continuing Education and Summer School. He stated that the Committee felt that their concerns regarding the two remaining faculty had been resolved. The recommendation to decode the Division of Continuing Education and Summer School was approved. (Resolution #94-27)

The second item of business was the approval of the request for authorization to establish a new degree program in Resource Economics. The Request for Authorization to Establish a New Degree Program in Resource Economics (API# 2204) was approved. (Resolution #94-28)

Agenda Item VI. New Business

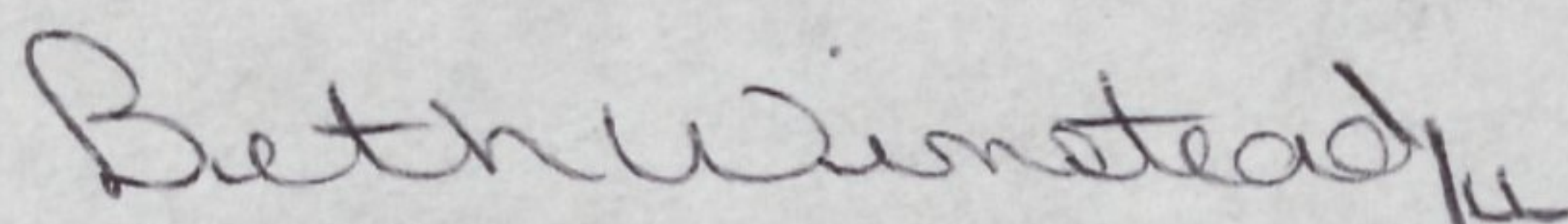
George Bailey (Philosophy) moved that the Faculty Senate recommend to the Chancellor that Section IV.E, External Peer Review for Promotion and the Conferral of Permanent Tenure (*East Carolina University Faculty Manual*, Appendix D) be interpreted as applying only to candidates for promotion to associate professor or professor and candidates for permanent tenure (as not applying to candidates for promotion from instructor to assistant professor who are not also candidates for permanent tenure). The reasons supporting this motion included: 1) The new Appendix D fails to exempt from the external review requirement instructors who are candidates for promotion to assistant professor. Requiring external reviews for promotion to assistant professor will create an unnecessary burden on the candidate, the promotion committee, relevant administrators, and the faculty at other universities willing to do such reviews. At this rank external reviews aren't necessary to insure the reliability of our recommendations. It is not sensible for us (or for reviewers) to expend the time and energy required to generate the external reviews; 2) Faculty members at other universities who are sufficiently established in their careers to meet the standards we require of our external reviewers may not be willing to take time from their busy schedules to review the research and creative activity (or promise of potential) of a candidate for promotion to assistant professor; and 3) Our own professionalism and academic competence may be called into question by faculty members at other universities from whom we solicit external reviews if we ask them to review one of our instructors for promotion to assistant professor.

The interpretation of the newly revised *East Carolina University Faculty Manual*, Appendix D, Section IV.E, External Peer Review for Promotion and the Conferral of Permanent Tenure (p. D-11) was approved. (Resolution #94-29)

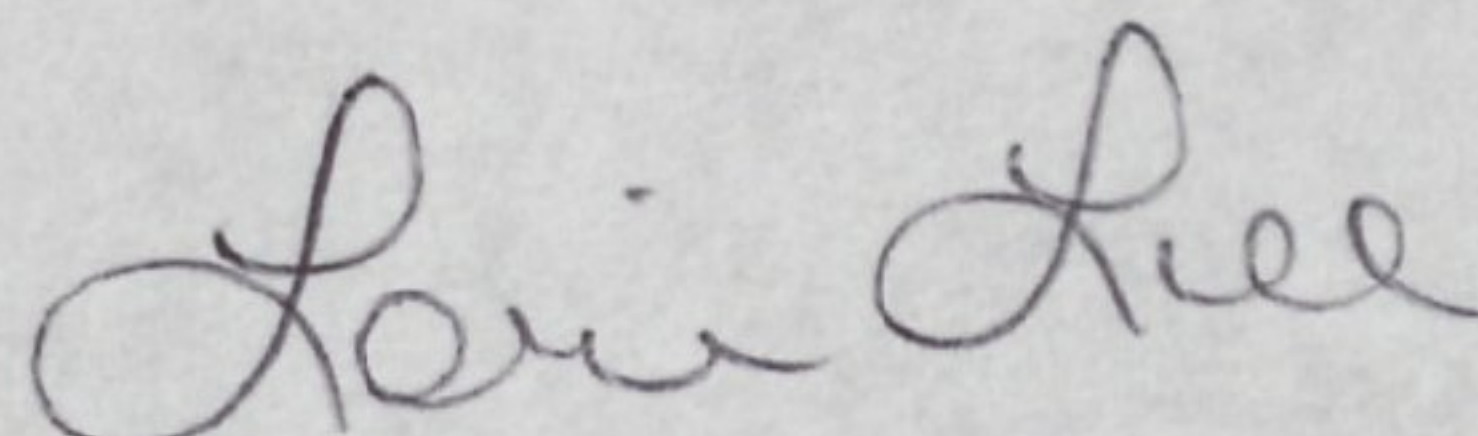
Karns (Business) noted that during the Faculty Senate's last meeting in April the Senate had not acknowledged the contributions of Chair Patricia J. Anderson. A round of applause and a belated thank you were extended to Professor Anderson.

There being no further business, the meeting adjourned at 3:20 p.m.

Respectfully submitted,



Beth Winstead
Health Sciences Library
Secretary of the Faculty



Lori Lee
Faculty Senate office

RESOLUTIONS PASSED AT THE 13 SEPTEMBER 1994, FACULTY SENATE MEETING.

- #94-27 Recommendation to decode the Division of Continuing Education and Summer School.
Disposition: Chancellor
- #94-28 Request for Authorization to Establish a New Degree Program in Resource Economics (API# 2204)
Disposition: Chancellor
- #94-29 Interpretation of *East Carolina University Faculty Manual*, Appendix D, Section IV.E, External Peer Review for Promotion and the Conferral of Permanent Tenure (page D-11) to apply only to candidates for promotion to associate professor or professor and candidates for permanent tenure (as not applying to candidates for promotion from instructor to assistant professor who are not also candidates for permanent tenure).
Disposition: Chancellor

- ***FULL FACULTY SENATE MINUTES ARE DISTRIBUTED TO FACULTY SENATORS, ALTERNATES, ACADEMIC COMMITTEE CHAIRS, ACADEMIC UNIT ADMINISTRATORS, AND AVAILABLE ELECTRONICALLY ON FSONLINE.***

EAST CAROLINA UNIVERSITY FACULTY SENATE

EXECUTIVE MINUTES OF 13 SEPTEMBER 1994

The first regular meeting of the 1994-95 Faculty Senate was held on Tuesday, 13 September, 1994, in the Mendenhall Student Center Great Room.

The minutes of 19 April 1994 and 20 April 1994, were approved as written.

Senators absent were: Doty (Business) and Miller (Philosophy).

Alternates present were: Sehgal and McDaniel for Brinson and Stellwag (Biology), Schadler for Killingsworth (Business), and Walsh for Pokorny (Nursing).

The Faculty Senate body observed a moment of silence in honor of Dr. David Gobeski from the School of Industry and Technology. Rita Reaves (Industry and Technology) took a moment to reflect on the contributions of Professor Gobeski and noted that he would be missed by his colleagues and the students.

- The Chancellor has approved the resolutions from the 19 April 1994, Faculty Senate meeting.
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Tinsley Yarbrough, Interim Vice Chancellor for Academic Affairs, stated that he was concerned about the enhancement and evaluation of teaching. The General Administration had instructed UNC campuses to create faculty development centers. He stated that a provision for a full time director of faculty development was provided and support had been put in the expansion budget request. He stated that he hoped to send a memorandum soon regarding a way of having some uniformity in the class visitation portion on teaching evaluation.

James Hallock, Vice Chancellor for Health Sciences, updated the Faculty Senate on the University's work in tele-medicine. He explained grants the Division has received, possible future uses of tele-medicine, and some of the technology used in tele-medicine (i.e. special suites and virtual reality gloves).

Dave Hart, Director of Athletics, was called away to attend a funeral and will report to the Faculty Senate later in the year.

George Harrell, Assistant Vice Chancellor for Business Affairs, Facilities Services, presented a narrated slide presentation on various construction work being done on campus.

Larry Hough, Faculty Assembly Delegate, presented a report on the Faculty Assembly meeting of 22 April 1994. The complete report is available for review in the Faculty Senate office, 140 Rawl Annex.

Professors Susan McDaniel (Biology) and Bob Muzzarelli (Allied Health Sciences) were elected by acclamation to fill two vacancies on the Agenda Committee.

There was no unfinished business to come before the Faculty Senate at this time.

The recommendation to decode the Division of Continuing Education and Summer School was approved. (Resolution #94-27)

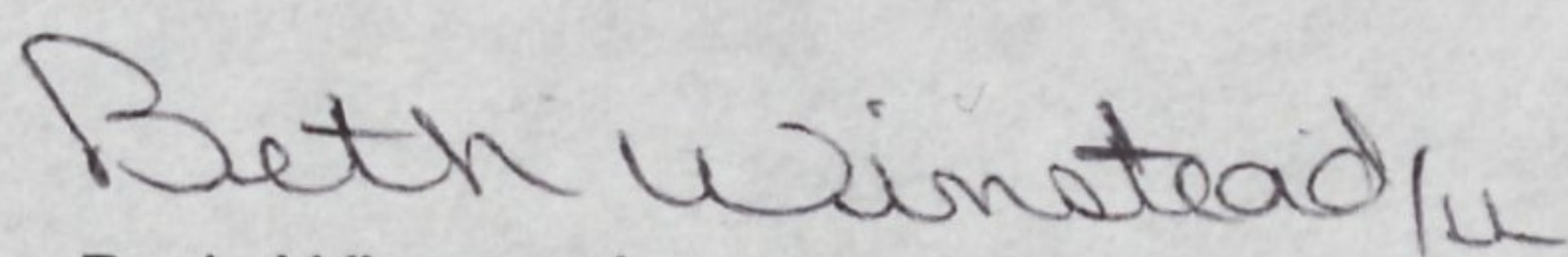
The Request for Authorization to Establish a New Degree Program in Resource Economics (API# 2204) was approved. (Resolution #94-28)

Under new business, the interpretation of the newly revised *East Carolina University Faculty Manual*, Appendix D, Section IV.E, External Peer Review for Promotion and the Conferral of Permanent Tenure (p. D-11) was approved. (Resolution #94-29)

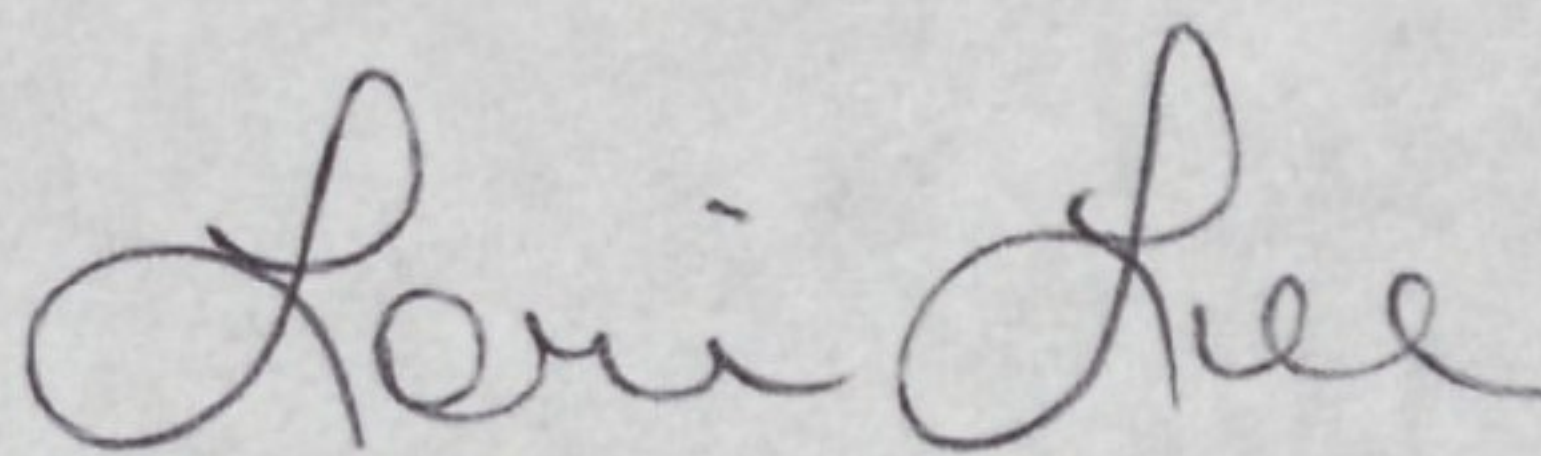
Karns (Business) noted that during the Faculty Senate's last meeting in April the Senate had not acknowledged the contributions of Chair Patricia J. Anderson. A round of applause and a belated thank you were extended to Professor Anderson.

There being no further business, the meeting adjourned at 3:20 p.m.

Respectfully submitted,



Beth Winstead
Health Sciences Library
Secretary of the Faculty



Lori Lee
Faculty Senate office

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Disposition: Chancellor



October 3, 1994

~~Prof~~
notebook
computer
lrs

Office of the Chancellor
103 Spilman

919-328-6212

Dr. Patricia J. Anderson
Chair of the Faculty
East Carolina University

Dear Professor Anderson:

Resolutions #94-27, #94-28, and #94-29 are approved
as adopted by the Faculty Senate on September 13, 1994.

Sincerely,

Richard R. Eakin
Chancellor

RRE/ra

cc: Dr. Tinsley Yarbrough
Dr. James Hallock



C O P Y

27 September 1994

Faculty Senate
140 Rawl Annex

919-757-6537
919-757-6122 Fax
FSLEE@ECUVM1

Chancellor Richard Eakin
East Carolina University
Spilman Building

Dear Dr. Eakin:

On 13 September 1994, the Faculty Senate adopted the following three resolutions for your consideration.

- #94-27 Recommendation to decode the Division of Continuing Education and Summer School.
- #94-28 Request for Authorization to Establish a New Degree Program in Resource Economics (API# 2204).
- #94-29 Interpretation of *East Carolina University Faculty Manual*, Appendix D, Section IV.E, External Peer Review for Promotion and the Conferral of Permanent Tenure (page D-11) to apply only to candidates for promotion to associate professor or professor and candidates for permanent tenure (as not applying to candidates for promotion from instructor to assistant professor who are not also candidates for permanent tenure).

Thank you for your consideration of these resolutions.

Sincerely,

Patricia J. Anderson
Chair of the Faculty

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c: Tinsley Yarbrough, Interim Vice Chancellor for Academic Affairs
James Hallock, Vice Chancellor for Health Sciences

MEETING OF FACULTY OFFICERS WITH CHANCELLOR AND VICE CHANCELLORS

Tuesday, 6 September 1994

AGENDA

- A. Chancellor Eakin's Remarks
- B. Interim Vice Chancellor Tinsley Yarbrough's Remarks
- C. Vice Chancellor James Hallock's Remarks
- D. Faculty Officer's Remarks

Appendix D of the *ECU Faculty Manual*

Faculty Senate Office Open House
- E. Resolution from the 7 December 1993, Faculty Senate Meeting.

#93-42 Amendment to Section V. of Appendix A. Faculty Constitution of the *ECU Faculty Manual*.
- F. Resolutions from the 19 April 1994, Faculty Senate Meeting.

#94-21 Curriculum matters contained in the minutes of the University Curriculum Committee's meeting of 24 March 1994.

#94-22 Four-Year Honors Program.

#94-23 Recommendations concerning East Carolina University's Graduation Rates.
- G. 13 September 1994, Faculty Senate Agenda
- H. Miscellaneous