

JAMES A. GRAASKAMP COLLECTION OF TEACHING MATERIALS
III. REAL ESTATE DEPARTMENT ADMINISTRATION
D. Doctoral Program
1. Policies and Procedures (1968-1987)

PH.D STUDY REQUIREMENTS

Major Field

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Urban Land Economics

I. Undergraduate minimum preparation:

- 520 Principles.
- 523 Location theory.
- 528 Valuation of real estate.
- 533 Public policy (land use).

II. Seminars:

- 935 Historical and comparative studies of development of valuation theory and methodology.
- 937-38 Philosophic basis of research thinking and technique. Case application to problems of urban land economics.

III. Reading:

- 999 (I) (3 cr) Urban development philosophy, situs theory, structure theory.
- 999 (II) (3 cr) Value theory, succession theory, institutions, interdisciplinary feedbacks to urban land economics.
- 999 (III) (2 cr) Historical roots and philosophy of urban land economics. General background texts and technical journals.

IV. Thesis.

REAL ESTATE AND URBAN ANALYSIS DOCTORAL PROGRAM
Policies and Procedures

February, 1980

I. PROGRAM OBJECTIVES

The Ph.D. program in real estate is designed primarily for persons interested in a career of teaching and research. To this end, students are encouraged to develop quantitative skills, theoretical abilities, institutional knowledge and proficiency in teaching. The required coursework is designed to provide these abilities and each doctoral candidate is expected to have primary responsibility for at least one section of B.A. 670, the basic undergraduate real estate course, at some time during the program.

The program objectives are most satisfactorily fulfilled by the full-time student who is an active contributor to the total real estate program at The Ohio State University. Upon completion of the program, the new Ph.D. will receive all possible assistance from Real Estate and Urban Analysis faculty in obtaining a preferred position.

II. ADMISSIONS

Admissions criteria include:

• Previous college level performance

 Grade point average

 Major field of study

 Institution

• SAT Scores

• A demonstrated competency in quantitative techniques, especially statistics, or some indication that any inadequacies can be made up early in the program.

• Recommendations

• Personal knowledge of faculty members

• Personal interview (in some cases)

Preference is given to the full-time student

The criteria are developed in more detail and applied by the Finance Ph.D. Committee.

III. FINANCIAL SUPPORT

The goal of the Real Estate and Urban Analysis faculty is to provide support for "superior" students for three years for those who possess an MBA at entry and four years for those entering with a B.S. degree. Continuing support is dependent, of course, on satisfactory performance and resource availability.

Sources of financial support include:

University fellowships

Teaching associate

Research associate

Administrative associate

Scholarships designated specifically for students in real estate

IV. ADVISING

Pre-dissertation advising: The Real Estate and Urban Analysis faculty is part of the Faculty of Finance. A member of the Real Estate faculty serves on the Finance Ph.D. Committee, which is headed by the Ph.D. Program Coordinator.

The Finance Ph.D. Program Coordinator will advise all pre-dissertation students. The Program Coordinator will be the initial point of contact for entering Ph.D. students and will advise them early in their programs. The Coordinator's goal will be to help the individual student define a specialized interest area as early in the program as possible.

After such an interest area is defined, the student will be advised by a professor in Real Estate and Urban Analysis, subject to the final coordination

and approval of the Finance Ph.D. Committee and the College Ph.D. Committee. This transition to an interest area adviser may occur in the student's first quarter in the Program and should occur no later than three quarters before a student completes all coursework.

The entering student will be expected to formulate an entire program including an examination schedule and have it approved by the end of the second quarter in residence. Any subsequent modifications to the program must be approved before the fact by the student's adviser and the two Ph.D. Committees.

Dissertation Advising: Once the student has focused on a research area and has, with the concurrence of the Finance Ph.D. Committee, selected an adviser, the major adviser will assume responsibility for advising the student. It is possible and desirable that the student will move directly from the Program Coordinator to the faculty member who is to be adviser; however, this is not necessary.

Dissertation advising and review will be handled by a committee composed of at least three members drawn from the faculty of the University. The composition of each dissertation committee will be determined by consultation between the student and the dissertation adviser, and approved by the Finance Ph.D. Committee before the student's first oral examination. One or more of the committee members must come from the Real Estate and Urban Analysis faculty. The appointment of the dissertation committee will be formalized by completing the form shown in Attachment D. Copies of the form are available from the Finance Office.

V. STUDENT PERFORMANCE EVALUATION

The College Ph.D. Committee has instituted a requirement for an annual, formal, student performance evaluation.

Therefore, the Finance Ph.D. Committee and the student's adviser (or advisers) will be expected to meet formally at least once a year in order to

satisfy this requirement. The evaluation will include but not be limited to the following areas:

1. Progress in coursework in major and minor fields
2. Progress in preparation for examinations
3. Progress in selection of a dissertation topic and preparation of a proposal
4. General performance in the program including such areas as teaching competence if the student has been a Teaching Associate, performance as a Research Associate, participation in symposia, and general professional development.

VI. COURSEWORK

The Real Estate and Urban Analysis major and minor field requirements are discussed in the College-level Ph.D. instructions and in Attachments A & B.

The Real Estate and Urban Analysis major must meet the research methodology requirements discussed in Attachment C. Note that the courses listed there are not exhaustive and are subject to review and modification.

Minor fields recommended for Real Estate and Urban Analysis majors include Economics, Quantitative Methods, Insurance, and Finance. The student may take Economics 804, 805, and 806 and sit for a qualifying examination for an Economics minor. Other and special minor fields are also acceptable upon approval by the Finance Ph.D. Committee and College Ph.D. Committee.

It cannot be overemphasized that meeting the coursework requirements is a necessary but not a sufficient condition for success in the program. Participation in Student-Faculty Colloquia, in-depth reading of current and landmark literature not necessarily included in formal coursework, performance in teaching, research activity, and participation in informal discussion groups with other students are equally if not more important than "passing" formal courses.

Real Estate and Urban Analysis majors are expected to have read extensively in the major journals and to be cognizant of the reading list on file in the office of the Faculty of Finance.

Real Estate minor course requirements are described in the College-level instructions and in Attachment B. Here also the taking and passing of the required courses is not sufficient for success. Substantial additional outside effort is necessary if the student electing a Real Estate and Urban Analysis minor is to have an adequate knowledge of the area. Again, in-depth reading and participation in colloquia and discussion groups are expected and important elements of success for a Real Estate and Urban Analysis minor. Taking a few courses and reading a few textbooks is not sufficient.

VII. EXAMINATIONS

The Written Field Examination - It is anticipated that this examination will be taken sometime after a student completes formal coursework; the examination will have the following general characteristics:

1. Structure

The general written examination will be of eight hours duration. Questions will be submitted by the Real Estate and Urban Analysis faculty and, perhaps, by professors in related areas in which the student has done coursework.

2. Grading Criteria

The examinations will be graded on the basis of high pass, pass, marginal pass, and failure. Each question will be graded by at least two faculty members who are active in the specialized areas covered by the questions. Grades on each question will be combined to result in one of four grades: High Pass, Pass, Marginal Pass, or Failure. The Marginal Pass student will be allowed to

proceed to the first oral examination but the Faculty reserves the right to question the student in detail about the field in that examination in order to determine whether the student's overall performance is satisfactory.

3. Timing

The written examination will be offered when the student and adviser concur that the student is sufficiently prepared.

The Minor Field Exam - Minor field students will be graded by the same overall criteria. The minor field examination is of four hours duration. The final, overall grading process will reflect their possibly less intensive preparation. Pass-fail criteria and other features of the two examinations are otherwise identical.

The First Oral Examination - The first oral examination can be scheduled and taken only after successful completion of the written field exam. This examination will be given by a faculty group. The group will include, but not be limited to, the student's tentative dissertation committee and must include at least one, and preferably two, Real Estate and Urban Analysis faculty members. The composition of the dissertation committee will be established by the student's adviser with the approval of the Finance Ph.D. Committee before the first oral examination.

The content of the oral examination will emphasize, but not be limited to, the student's proposed dissertation topic. A copy of the dissertation proposal must be provided to each member of the oral examining committee a minimum of ten days before the scheduled date of the examination.

The Second Oral Examination - The second oral examination will be governed by University and College regulations.

Ability to Retake Examinations - In normal circumstances a written or oral

examination can be retaken one time--no sooner than the following quarter or two months have elapsed, whichever is longer. A second retaking of an examination is allowable in unusual circumstances after successful petition to the Finance Ph.D. Committee. No third retaking is allowed.

VIII. THE DISSERTATION

The Pre-Proposal - Verbal preliminary discussion between student and faculty concerning a dissertation topic should result in a written pre-proposal, which should be developed as early in the student's program as possible. The pre-proposal might be structured as follows:

- Name, Date, Title, etc.
- Purpose of the research
- Anticipated significance of the study to business, society, etc.
- How does the proposed research relate to key existing literature in the field? What is it building on?
- What will be the basic study approach and methodology employed?
- Discuss the major alternative approaches. Identify and discuss the major methodological problems and how they will be approached.
- How much progress have you made already? (Cite background reading, completed term papers, joint research activities.)
- Is the research related to any now being conducted by another researcher-- faculty, student, or otherwise?
- Provide a plan of action--key tasks and their time phasing.
- What resources are needed for the project?
- Total length-- 5-15 pages.

The Proposal - The pre-proposal normally will mature into the formal dissertation proposal. The outline and approach of the formal proposal is similar to the pre-proposal. The formal proposal should offer much greater detail in

the areas of relevant literature and methodology. The research methodology must be broadened and deepened, especially in the definition and solution of potential problem areas.

If the formal proposal is developed properly, major background sections of the dissertation can be written as part of the proposal process, and the methodological approach will be so well specified that the data gathering, analysis, and interpretation are almost a pro forma process. This means that the probability of developing a final dissertation which will represent a significant contribution to the field of study being investigated is very high and that the significance of the research is very apparent, long before substantial effort is expended in data gathering and analysis.

The last page of the formal proposal should contain the following statement signed by the candidate's tentative principal research adviser:

I have read and discussed this proposal with the candidate. In my judgment, the research proposal is realistic and should result in a valuable contribution to the field of finance.

Signature

This signature is not a final approval of a research project or its methodology. It is only a tentative "approval" which indicates that one faculty member feels that the project is sufficiently well-defined that the first oral examination can be scheduled. An "approved" proposal is a prerequisite to the scheduling of the first oral examination.

A copy of the "approved" proposal should be filed in the Faculty of Finance office, where it will be available to other students as an aid to formulating their own research projects.

The formal proposal is accepted or rejected by the Oral Examination Committee. The membership of the Oral Examining Committee and the Dissertation Committee are specified by the Finance Ph.D. Committee based on guidelines developed by the faculty. The final draft of the dissertation must be approved by the Dissertation Committee.

IX. PROGRAM TIMING AND CHECKLIST

In order to assist the student in planning his program and conforming to the various College and Graduate School rules the following programming planning schedule and checklist is provided.

1. Appointment of Adviser

Initially the Adviser is the Ph.D. Program Coordinator. Later, the Adviser should be in the student's major interest area. It is the student's responsibility to obtain an adviser in the student's major interest area no later than three quarters before the completion of his coursework.

2. Schedule of Courses

The student should develop a tentative schedule for the entire program with the student's adviser and present it to the Finance Ph.D. Committee by the end of the second quarter in residence.

3. Written Examination

The student is expected to take and pass the major field written examination in the last quarter of coursework or shortly thereafter. The timing of this examination will be defined in the student's program schedule.

4. Minor Field Examination

At some point about this period in the student's program, the student should take and pass the minor field examination.

5. General Oral Examination

Assuming the written examination is successfully completed, the student should schedule the general oral examination. The oral examination must be scheduled not later than the second quarter following the written examination. The general oral examination must be scheduled through the Graduate School in a quarter in which the student is enrolled. It must be scheduled at least two weeks in advance.

Before taking the general oral examination, the student should have a well-developed dissertation proposal. This proposal will normally be the focus of the examination.

6. Final Dissertation Committee Appointed

A tentative dissertation committee is appointed before the first oral examination (see Attachment D). Normally this committee is the final committee.

7. Draft Approval and Final Oral Examination

The dissertation reading committee must certify on the Graduate School's DRAFT APPROVAL form that they "have examined the draft of the dissertation submitted by the...student and believe that in its present form it is a contribution to knowledge of importance sufficient to warrant holding a Final Oral Examination.

"The DRAFT APPROVAL form must be signed by the candidate's entire Reading Committee. It must be returned by the candidate to the person in charge of Doctoral Records in the Graduate School Office no later than six weeks before the end of the quarter in which the candidate expects to graduate."

On the basis of the DRAFT APPROVAL form the Dean of the Graduate School

will assign the Graduate School Representatives and schedule the final oral examination. The DRAFT APPROVAL form must be filed with the Graduate School at least 10 days prior to the examination.

The student must be registered in the Graduate School in the quarter in which he takes his final oral and graduates.

8. Final Dissertation Copies

Two final approved copies of the dissertation and the FINAL APPROVAL FORM must be submitted to the Graduate School no later than one week before the end of the quarter in which the student plans to graduate.

ATTACHMENT A

Real Estate Major Field Course Requirements

Students entering with B.S., M.A., or M.B.A. including substantive coursework in real estate will take coursework in real estate and related areas for a minimum of at least 21 hours.*

<u>REQUIRED COURSES</u>	<u>CREDIT HOURS</u>
B.A. 870, Seminar in Real Estate	3
B.A. 872, Real Estate Development and Financing	3
B.A. 893, Independent Study in Real Estate	3
B.A. 920, Seminar(s) in Finance or Economics	3-9

PLUS THREE OR MORE OF THE FOLLOWING:

B.A. 823, Quantitative Methods in Investment Management	3
B.A. 826, Seminar in Financial Institutions	3
B.A. 871, Real Estate Feasibility and Market Analysis	3
Geography 647, Locational Analysis	5
Geography 650, Urban Geography	5
Geography 740, Advanced Locational Analysis	5
Economics 790, Urban Economics	5

STUDENTS ENTERING WITHOUT PRIOR COURSEWORK IN REAL ESTATE ALSO MUST TAKE:

B.A. 873, Urban Real Estate Analysis	3
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* Requirements effective for students filing their program of study after February 1, 1980.

PLUS ONE OR MORE COURSES TO BE DETERMINED BY CONSULTATION WITH A REAL ESTATE FACULTY MEMBER FROM AMONG THE FOLLOWING:

B.A. 771, Real Estate Investment Analysis	4
B.A. 772, Real Estate Finance	4
B.A. 773, Real Estate Valuation	4
B.A. 774, Income Property Valuation	4
B.A. 775, Real Estate Law	4

ATTACHMENT B

Real Estate Minor Field Course Requirements

Coursework in real estate should total 9-12 hours.

STUDENTS ENTERING WITH SUBSTANTIVE COURSEWORK IN REAL ESTATE WILL TAKE:

B.A. 870, Seminar in Real Estate

B.A. 872, Real Estate Development and Financing

B.A. 893, Independent Study in Real Estate

B.A. 920, Seminar(s) in Finance or Economics

STUDENTS ENTERING WITHOUT SUBSTANTIVE COURSEWORK IN REAL ESTATE MUST ALSO TAKE:

B.A. 873, Urban Real Estate Analysis

It is strongly recommended that the student take one or more 700-level real estate course after consultation with his real estate adviser.

ATTACHMENT C

Research Methodology Requirement

All Real Estate majors must take the following courses for no credit if minimum competency is now shown:

Economics 640, Probability and Statistical Decision Theory	5
or	
Stat 520, Mathematical Statistics I	5
Economics 641, Applied Regression and Correlation Analysis	5

All Real Estate majors not minoring in Economics must take the following course for no credit if minimum competency is not shown:

Economics 804, Price Theory	5
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Real Estate majors must complete at least 15 hours of the following:

Economics 740, Inference and Decision Analysis Under Uncertainty	5
or	
Stat 521, Mathematical Statistics II	5
Economics 741, General Linear Regression Analysis	5
Economics 742, Econometrics	5
*Economics 805, Micro-Economic Theory	5
*Economics 806, Macro-Economic Theory	5
Stat 635, Statistical Analysis of Time Series	3
Stat 755, Multivariate Analysis I	3
Stat 756, Multivariate Analysis II	3

* These courses are not admissible as research tools if the individual is minoring in economics.

ATTACHMENT D

Appointment of Real Estate Ph.D.
Dissertation Committee

Check one:

Request for appointment

Final appointment

Date _____

Topic of Proposed Dissertation: _____

Committee Members: _____
Chairman Faculty

Reader Faculty

Reader Faculty

Reader Faculty

Student's Signature

APPROVED: _____
Finance Faculty Chairman

Date

THE PHILOSOPHY OF A PH.D. PROGRAM
IN REAL ESTATE AND URBAN LAND ECONOMICS
AT UNIVERSITY OF WISCONSIN-MADISON

I. Tradition and Faculty

- A. Urban land economics began as a special discipline at the University of Wisconsin with John R. Commons and Richard T. Ely, institutional economist who saw the configuration of business as a dynamic momentary equilibrium among evolving social institutions, political forces, and economic resources.
- B. When the Business School separated from the School of Economics in 1944, the resident urban land economist, R. U. Ratcliff, went with the Business School forces so that we have always offered a unique combination of real estate and urban economics within a single department. We offer:
 - 1. A B.S. degree in real estate and business administration, a B.A. degree in urban land economics.
 - 2. An M.B.A. degree with an emphasis in real estate, an M.S. degree in real estate appraisal and investment analysis, and an M.A. degree in urban land economics in conjunction with the Economics Department.
 - 3. A B.S. degree in construction administration, and
 - 4. A Ph.D. degree in real estate and urban land economics.
- C. All of our faculty are cross-listed in the faculty of other departments.
 - 1. Professor R. B. Andrews - institutional economist is also part of the Urban and Regional Planning School faculty.
 - 2. Assistant Professor Craig Stanley - Urban econometrician also works with the Economics Department.
 - 3. Professor James Graaskamp - Real estate investment and development is also part of the land resources program.
 - 4. Assistant Professor Michael R. Robbins - Real estate development and investment also teaches in Civil and Environmental Engineering.
 - 5. Assistant Professor Rod Matthews - J.D. also teaches on the Law School faculty.
- D. Dr. Richard Andrews will retire in June of 1981 so we are now searching for someone of similar scope and scholarship in urban land economics.

II. General Premises of the Ph.D. Program

- A. Admission to the Ph.D. program is at the discretion of the chairman of the department, in addition to meeting graduate school requirements, etc.
- B. Therefore, the bias, prejudice and opinions of the chairman are significant for several years to come.

- C. Over the years the following kinks in my thinking have developed increasing strength as I have regretted later almost every instance in which my liberal instincts caused me to deviate from the pattern:
1. A Ph.D. degree is primarily a license to teach at the university level; there are too many poor teachers now; therefore we will encourage only those with the personality and personal presence and desire to be teachers. Introverted scholars will not be happy with me or the program.
 2. Real estate is the practical business application of a great many diverse disciplines ranging from sanitary engineering to the psychology of social disorganization. Therefore, we want talents with a broad diversity of interests and scholastic disciplines, preferably non-business. I would rather teach an architect real estate or a computer person real estate or a marketing research specialist or an astronomer than vice versa. Teaching requires extensive use of analogies and someone with only a business education has neither the background nor the creativity to generate good analogies.
 3. Research should be relevant to real issues and provide recommendations for operational decisions. Extrapolation of esoteric theories into a variety of refinements and literature searches does not impress me; neither does the use of advanced statistical tools to blast a minor problem such as "Which magazines do people read?" or "Are home sellers happy with brokers?" We are interested in demonstrating cost effective applications of contemporary decision techniques to current issues and problems in real estate.
 4. We do believe it is useful to teach real estate and urban land economics, architecture and law, private investment and public finance in the same department almost simultaneously so that students can see the interaction of the disciplines and what happens when one or the other dominates to the exclusion of other contributions. Thus the departmental faculty is diverse in their backgrounds and their interests and in a constant state of debate and discussion among themselves.
 5. After many years' review I have concluded that the foreign student program in American universities is a failure since most of the students refuse to return to their home country despite having been funded on that premise and despite having sought relief from real estate details thought to be peculiar to the U.S. and not applicable elsewhere. Therefore we are very reluctant to waste departmental resources on foreign students who have little incentive to return home and find every excuse to violate their visas.

III. General Graduate Program Requirements

- A. Basic Ph.D. program consists of the following components:
1. Satisfactory completion of advanced statistics, advanced calculus, and quantitative economic modeling courses with a B or better.
 2. Completion of a business school major in real estate and urban land economics. Student enters into a contract with the department after consultation with his advisor as to specific course requirements necessary to prepare for a six-hour comprehensive examination. Three one-hour questions are focused on real estate topic areas and three one-hour questions are based on urban land economics and urban econometrics.
 3. Each candidate will complete a minor internal to the School of Business, involving 15 to 20 credits negotiated and agreed on with his minor department advisor; when course work is completed there is a four-hour minor examination.
 4. Each candidate will complete a minor outside the School of Business, such as law, engineering, landscape architecture, geography, art history, or whatever totaling 12 to 15 credits. No comprehensive exam is required by the School of Business although the minor department may require one. The School of Business accepts B or better as satisfactory completion.
 5. A research dissertation to be completed and defended in a period not less than one year from satisfactory completion of comprehensive exams and in a period not to exceed five years.
- B. Required grade levels are not entirely specific; masters students must have a 3.0 or better to graduate; Ph.D. students are urged to maintain a 3.3 and may not be permitted to register for a following semester if they show a significant number of incompletes for course grades.
- C. Resident credits are computed in units of weeks - 36 weeks for a masters degree and 108 weeks for a doctorate. No more than 18 weeks of residence may be earned during any one semester; a maximum of 9 weeks can be earned in summer time. In every case at least one half of the resident credit must be earned on the Madison campus.
- D. Major field courses are chosen from those on the attached program brochure.
- E. Teaching:
1. Each doctoral applicant will be expected to devote a year to supervised teaching as a pair, part-time teaching assistant.
 2. If the doctoral applicant plans a career in which teaching is to play a prominent role, he will, after his teaching assistant experience, be expected to assume principle responsibility for an intermediate level course during at least one semester.

F. Research:

1. If the applicant is planning a career in which research will absorb the majority of his time, it is expected that he will attach himself on a pay or no pay basis to a formal research project which is under the direction of a member of this faculty. The duration of this association should be at least one semester.

G. Internship:

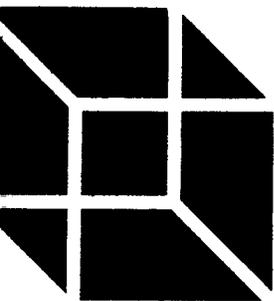
1. During the applicant's period of graduate work at Wisconsin, it is expected that he will serve an internship of a full summer or a semester prior to the beginning of his dissertation work. The internship should be a full time work situation. Work responsibilities should relate clearly and directly to the applicant's major study interests and should involve the opportunity for the application of a substantial amount of individual initiative. Applicants with a teaching emphasis program may consider a teaching position at another institution as fulfilling the internship requirement.

H. Dissertation:

1. The applicant will be encouraged to work on the selection and development of his dissertation proposal over his entire graduate career. His course contacts, research and teaching experiences, his internship period, and informal student contacts should all be integrated and related to this end.
2. Development of dissertation ideas should be drawn from the entire faculty and not the major professor alone. Execution of the dissertation itself is expected to be a cooperative venture from the standpoint of the faculty as well as that of the student. It is expected that this full time cooperation in the development and execution of the thesis will extend to thesis committee members from outside the department.

Ph.D. student beyond the masters is required to have 72 residential credit weeks; a one credit course during the regular semester represents two weeks of residency; Ph.D. is required to have two full time semesters beyond the masters degree. Summer school for eight weeks and five credits converts to nine residence credits. Courses taken for audit or pass/fail do not count - only courses with a letter grade.

Residency Counselors Office, 262-1355. Legal definition of residency State Statute 36.27(2) Section C - critical elements are graduation from a Wisconsin high school, parents still living in state, or last surviving parent in state at the time of death. Does not require student to have filed an income tax form or car license, etc.



TEXAS REAL ESTATE
RESEARCH CENTER

May 12, 1987

MEMORANDUM

TO: Real Estate Doctoral Program Survey Respondents
FROM: Robert Lyon *RL*

Thank you for participating in the Real Estate Center's survey on Real Estate Doctoral Programs. Questionnaires were mailed to 23 universities identified as having doctoral programs. Seventeen responses were received and two of these universities did not currently offer real estate doctoral programs.

Dr. Robert Plattner, University of Massachusetts, Amherst, used some of the initial responses in a paper, "Problems and Progress in Real Estate Education," presented to the American Society of Real Estate Educators. Others have expressed interest in using the data for current projects.

Please let me know of any corrections that need to be made concerning your data so that a final report can be completed. Thank you for your interest in this project.

Attachment

October 12, 1987

TO: T. H. Williams - Accounting
J. M. Johannes - Finance
W. J. Bilkey - International Business
R. J. Aldag - Management
N. M. Ford - Marketing
J. P. Matthews - Quantitative Analysis/Business & Stats.
✓ J. A. Graaskamp - Real Estate
D. R. Anderson - Risk Management and Insurance
D. J. Harmatuck - Transportation & Public Utilities

FROM: Helene Noltner

Attached is a list of the 1987-88 Fall Ph.D. student enrollment in the Graduate School of Business. Please advise if you find any discrepancies.

Enc.

REAL ESTATE

<u>Student</u>	<u>Phone</u>	<u>Inf.</u> <u>Rm.#</u>	<u>Res.Phone</u>	<u>Res. Address</u>
Carter, Charles C.Jr.				209 Swanton Rd., #7, 53714
Eppli, Mark	2-7567	321Inf.	238-2299	5001 SheboyganAve., #105(05)
Guenther, Daniel*				1170 Sterling Ave., #203, Palatine, Ill.60067
Harrison, Evan			221-1275	PO Box 6103, Monona 53716
Knox, Daniel	2-7567	321Inf	274-9775	2970 Turbot Dr., 53713
Worzala, Elaine	2-0787	118Com	255-8522	113 N. Paterson, 53703
Zaprzalka, Ted			273-0058	3610 Breckenridge Ct, Apt. 24 53713

*Dissertators: 1 Total 6

10/9/87
29A