

JAMES A. GRAASKAMP COLLECTION OF TEACHING MATERIALS
II. CLASSES AT THE UNIVERSITY OF WISCONSIN--MADISON
 Q. Examples of Multidisciplinary Coursework
 6. Correspondence Regarding the Development of a
 Corporate Facilities Management Program
 (1986 - 1987)



SCHOOL OF FAMILY RESOURCES & CONSUMER SCIENCES

University of Wisconsin • 1300 Linden Dr. • Madison, WI 53706

OFFICE OF THE DEAN 608 262-4847

OFFICE OF THE ASSISTANT DEAN FOR STUDENT AFFAIRS 608 262-2608

PROGRAM AREAS:

Child & Family Studies - 263-2381

Consumer Science - 263-5675

Environment, Textiles & Design - 262-3190

Home Economics Communications - 262-1464

Home Economics Education - 262-2660

February 18, 1986

MEMO TO: Jim Graaskamp
Mike Hunt
Bruce Kieffer
Mike Smith

FROM: Bob Bartholomew *RB*

RE: Revised Facilities Management Proposal

Attached is a revised version of the curriculum structure being proposed for a joint facilities management graduate program. In addition, a description of the facilities management field, justification and objectives.

Please alter, add, etc. to it and return to me by February 26. I will put together a revision based on any suggestions. I will also arrange a meeting between us. Please attach a listing of the best times for a meeting to the draft that has your suggestions when you return it to me.

RPB/llm

Attachments

Call about 851

Background

Facility management is an emerging profession focused on the coordination of physical facilities, usually in a corporate structure. Facility management functions are frequently found in insurance, banking and manufacturing companies, usually positioned in the middle management level.

As such, facility management is included in real estate (building selection, leasing) decisions, space management, maintenance, security and interior design. The facility manager may also integrate the services of engineering or architectural consultants into the functions of facilities management as well. Space is an important and expensive institutional and corporate asset. Employees are an expensive part of a business operation which is accentuated by the recent emphasis on office productivity as a major corporate issue.

Facility managers tend to be from other fields including architectural and interior design. The development of a supporting body of knowledge through research efforts plus clearly identified abilities and skills pertinent to the field are beginning to emerge as the profession matures. There are a few universities and colleges offering programs in facility management at both the graduate and undergraduate level.

Proposal

To develop a graduate level facilities management program on the UW-Madison campus integrating Real Estate, Industrial Engineering plus Environment, Textiles and Design courses.

The proposed program will be at the master's level initially and possibly the PhD level later. Certification is an issue being broached now in facility management field and it may eventually have educational implications.

Objectives

Provide professional preparation for the facilities management field.

Provide an opportunity to pursue a specialized area within facilities management.

Develop research efforts related to facility managements.

Justification

The graduate program is an effective way to provide training for the field, building on a student's anticipated prior background, e.g., architecture, interior design, business, engineering. The flexibility of graduate level programs at UW encourages interchange between schools, while allowing for a more intense focus within one of the cooperating schools. There is no additional budget, staff or facilities requirement anticipated at this time to support such a program here, though there may be the potential for industry support. Opportunities exist for interdisciplinary research between participating departments and is possible that there will be interest in research support from companies that provide products or services for buildings.

Having the program as a graduate offering may give a competitive edge to our program for research support, and recruitment of mature students with a substantial background in a related area plus the potential for a PhD level program. This latter aspect may give us an advantage in preparing faculty for emerging educational programs in facilities management.

If a masters thesis is required, it should have a problem solving focus at providing a bigorous writing experience, and merging together the coursework with the thesis as a focus. It will also demonstrate application of specific abilities, provide a "portfolio" to show to employers, or a "case study" of specific areas of specialization. The number of students participating initially in the program will be small, probably 6-8 students, so there should not be an interference of this program with existing department enrollments. There is potential for growth of graduate programs in all the participating departments, including out-of-state students. Faculty who have a primary responsibility in the program include:

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Real Estate

James Graaskamp, Appraisal, Finance and Feasibility Analysis

Creating specialties within facility management is possibility here, utilizing hospital administration, educational administration, etc. course. This may provide the program with a unique advantage compaired with other university facility management programs.

Participating Departments

Environment, Textiles and Design

Interdisciplinary program focused on the immediate human environment integrating aesthetic, historic, scientific and technological perspectives.

Industrial Engineering

A technical field with the emphasis on the role of people in the design and operation of systems.

Real Estate

Multi-disciplinary study merging finance, public policy, physical design and regional science.

Program Development

If approved at the school level, one of the next steps will be to confer with IFMA (International Facility Management Assn) members concerning the curriculum content and structure. Other organizations such as BIFMA (Business and Institutional Furniture Manufacturers Assn), the Institute of Business Designers and Building Owners and Managers Intitute International may be helpful in offering advice concerning the program.

Another potential facet of the program is the offering of workshops or short courses or a more extensive program similar to the Banking Institute sponsored by the Business School each summer. This could culminate in the awarding of a certificate at the completion of the program. The Professional Engineering Department is already offering courses related to facilities management. Other steps include organizing an advisory group to provide guidance for the facilities management program plus a steering committee made up of representatives from the participating departments.

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RPB7-101

MASTER'S STUDY
IN
FACILITY MANAGEMENT
AT THE
UNIVERSITY OF WISCONSIN-MADISON

FORMAT:

The Facility Management specialty will be offered within one of three existing Master's programs: Industrial Engineering; Business (BS); and Environment, Textiles, and Design. All three graduate programs require 30 credits of coursework. A thesis is optional in I.E. and Business, but required in ETD.

CORE:

All students in the Facility Management specialty must complete a 6 course core of courses (2 courses in each of I.E., Business, and ETD). Students may receive credit toward the core requirements for coursework taken previously.

CONCENTRATIONS:

Three concentrations can be offered in the Facility Management specialty. The three concentrations represent different facility types: commercial - office and retail facilities; institutional - hospitals and educational facilities; and residential - housing developments for special populations, i.e. the elderly.

Concentrations are developed in a student's curriculum via the additional Facility Management related courses offered throughout the UW-Madison campus.

DEGREE REQUIREMENTS:

Specific degree requirements are determined by the graduate program in which the student is enrolled, i.e., I.E., Business, ETD.

FACILITY MANAGEMENT CURRICULUM AND SPECIALTY OPTIONS	Residential	Institutional Hospitals Educational Facilities	Commercial Office Facilities Retail Facilities
<p>** Changes from Jan 21 meeting (Bartholomew, Hunt, Kieffer, Smith)</p> <p>• Changes from conversations with J. Grewcham <i>GRASKAMP</i></p>			
<p><u>FACILITY MANAGEMENT CORE</u> (Required of all Facility Management students)</p>			
<p>Environment, Textiles and Design</p>			
<p>ETD 221/521* Environment and Behavior</p>	X	X	X
<p>ETD 223/523* Architectural Technology</p>	X	X	X
<p>Business</p>			
<p>• Bus 550/709 Real Estate Process</p>	X	X	X
<p>• Bus 555 Commercial Property Development and Management</p>	X	X	X
<p>Industrial Engineering</p>			
<p>Gen Eng 397 Technical Writing</p>	X	X	X
<p>** IE 466 Theory of Design or IE 349 Intro. to Human Factors</p>	X	X	X
<p><u>FACILITY MANAGEMENT RELATED COURSES</u> (Examples of courses to select)</p>			
<p>Environment, Textiles and Design</p>			
<p>ETD 630 Housing for Elderly</p>	X		
<p>ETD 501 CAD</p>	X	X	X
<p>ETD 501 Advanced CAD</p>	X	X	X
<p>ETD 501 Advanced Environment and Behavior</p>	X	X	X
<p>ETD 501 Facility Planning Studio</p>	X	X	X
<p>ETD 501 Behavioral Evaluation of Buildings</p>	X	X	X

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Business			
Bus 532 Organization and Management Process			X
Bus 559 Construction Enterprise Management	X	X	X
Bus 554 Residential Property Development and Management	X		
Bus 555 Commercial Property Development and Management			X
° Bus 597 Urban Economics: Structure & Dynamics			
Bus 601 Health Care Cost Containment		X	
° Bus 757 Real Estate, Market Analysis			
° Bus 851 Real Estate Administration			
Industrial Engineering			
**IE 313 Engineering Economic Analysis			
**IE 315 Production Planning and Control	X	X	X
IE 349 Human Factors	X	X	X
IE 549 Human Factors Engineering		X	X
IE 610 Program Evaluation		X	X
IE 652 Sociotechnical Systems		X	X
**IE 653 Organization and Job Design			
**IE 691 Special topics (Human Factors and Office Automation)			
Other			
Prev Med 662 Intro to Health & Medical Systems		X	
Prev Med 726 Operations Analysis for Health Services Administration		X	
Consumer Science 371 Housing	X		
Educ 526 Educational Facilities		X	
Educ 702 Organization & Operation of American Educational Enterprise		X	
**Pol Sci 443 Intro. to Public Administration			
**Pol Sci 461 Organizational Theory and Practice			
ETD REQUIREMENTS			
Statistics - 3 credits	X	X	X
Thesis - 6 credits	X	X	X
Research Methods - 3 credits	X	X	X

THE REFINE GROUP
FACILITY MANAGEMENT CONSULTANTS
post office box 194
blacksburg, virginia 24060
(703) 552-3000

March 7, 1986

Professor James Graaskamp
202A Breeze Terrace
Madison, Wisconsin 53706

Dear Jim:

Nancy and I had the opportunity to review Bob Bartholomew's proposal for a facility management program. We thought you might be interested in our observations.

1. The typical description of this professional area is facility management. Bob has used a variety of labels to describe it in the proposal.
2. Facility management has a very heavy business component including the presentation of long-range and strategic planning considerations. The proposal does not give sufficient weight to this topic.
3. In the justification section, he states that no additional budget or staff will be initially available. As we have mentioned in previous discussions, we are confident that there are considerable funds available through corporate sponsors if a continuing education component is included in the initial proposal. It might also be desirable to have a letter of support from several of the facility management organizations stating the importance of this proposed degree, continuing education effort, and possible faculty research efforts.
4. This graduate program needs to be in its own academic area (a separate center) rather than being put at jeopardy by being distributed between three academic departments. The degree could very easily end up being the "bastard stepchild" that never gets any attention. A facility management center would also provide an excellent vehicle for continuing education and research.

5. The concentrations listed in the working draft seem to cover all the appropriate areas. It's our opinion that this broad based support should help in funding and graduate placement.
6. There were several omissions from the suggested course curriculum. They included courses in data base management, building cost estimation, and architectural drawing (I don't necessarily believe that a CAD computer course can substitute for an architectural drawings course).

Bartholomew has done a fine job in putting together this proposal. Our opinion is that the time is right both academically and professionally for a facility management center. Please keep us informed on your progress in this area.

Yours truly,



James C. Canestaro, AIA

JCC:vwr



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March 10, 1986

MEMO TO: Jim Graaskamp ✓
Mike Hunt
Bruce Kieffer
Mike Smith

FROM: Bob Bartholomew *Bob*

RE: Facility Management Program

Attached is the revised version of the Facilities Management Program description. Please review it and the proposed schedule listed below for our next meeting. The best time to meet is 3:00 p.m. on Tuesday, March 18 in Jim Graaskamp's office (Room 118 Business).

Proposed Schedule

3-18 Decide on final description and curriculum

By April 4 send program to Dean's of schools represented in facilities management. Committee members to meet with their dean to discuss. Check on procedure for program approval.

By April 21 meet to discuss Dean's reaction and include representatives from LA, Construction Administration, Preventive Medicine.

By mid-May initiate program publicity and student recruitment.

Fall 1986 begin operation of program.

RPB/llm

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Revised March 1986

working draft
comments solicited
12/13/85
Mike Hunt
ETD

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° Changes from conversation with J. Graaskamp			
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Environment, Textiles and Design			
ETD 221/521* Environment and Behavior	X	X	X
ETD 223/523* Architectural Technology	X	X	X
Business			
° Bus 550/709 Real Estate Process	X	X	X
° Bus 555 Commercial Property Development and Management	X	X	X
Industrial Engineering			
Stat 312 Intro to Math. Statistics	X	X	X
IE 549 Intro. to Human Factors	X	X	X
FACILITY MANAGEMENT RELATED COURSES (Examples of courses to select)			
Environment, Textiles and Design			
ETD 630 Housing for Elderly	X		
ETD 501 CAD	X	X	X
ETD 501 Advanced CAD	X	X	X
ETD 501 Advanced Environment and Behavior	X	X	X
ETD 501 Facility Planning Studio	X	X	X
ETD 501 Behavioral Evaluation of Buildings	X	X	X

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Bus 559 Construction Enterprise Management	X	X	X
Bus 554 Residential Property Development and Management	X		
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° Bus 597 Urban Economics: Structure & Dynamics			
Bus 601 Health Care Cost Containment		X	
° Bus 757 Real Estate, Market Analysis			
° Bus 851 Real Estate Administration			
Industrial Engineering			
**IE 466 Theory of Design	X	X	X
**IE 315 Production Planning and Control	X	X	X
IE 476 Indus. Engr. Design	X	X	X
IE 610 Program Evaluation		X	X
IE 652 Sociotechnical Systems		X	X
**IE 653 Organization and Job Design			
**IE 691 Special topics (Human Factors and Office Automation)			
IE/PM 691 Special Topics (Ergonomics)			
IE 559 Special Seminar in Human Factors			
Other			
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Thesis - 6 credits	X	X	X
Research Methods - 3 credits	X	X	X



SCHOOL OF FAMILY RESOURCES AND CONSUMER SCIENCES
University of Wisconsin-Madison, 1300 Linden Drive, Madison, WI 53706 608-262-2608

March 11, 1987

James R. McCue, PhD
President, BOMI International
P.O. Box 9709
1521 Ritchie Highway
Suite 3A
Arnold, MD 21012

Dear Mr. McCue:

I am pleased to learn of the BOMI plans to develop facilities management curriculum. Professor James Graaskamp, Chair of the Real Estate Department and one of the faculty members involved in the facility management emphasis here and myself will be very interested in meeting with you to discuss proposed BOMI Curriculum and our Facility Management Program here. In addition, I suspect other faculty members who are affiliated with the facility management emphasis here will also wish to participate in the meeting.

Is there a future date either this spring or next fall that you will be in the Madison area which will be desirable for a meeting here? I will look forward to your suggestions for possible dates and to meeting you.

Sincerely,

A handwritten signature in cursive script, likely of Robert P. Bartholomew.

Robert P. Bartholomew
Professor
Environment, Textiles and Design

RPB/llm

cc: J. Graaskamp/
M. Hunt
B. Kieffer
M. Smith

March 19, 1986

To: Professor Robert Bartholomew

From: Professor James A. Graaskamp

Re: Development of Corporate Facilities Management

Following up on our discussion relative to development of a Corporate Facilities Management option, the Business School and Real Estate Department would be interested in cooperating and contributing.

Dean James Hickman has indicated that we could give priority to your majors for course enrollment in 705, 555, 851 and 554.

We have always had an interest in James Canestaro who is currently registered for a Ph.D. dissertation directed by Professor Graaskamp. He has taught for us in previous years and proven to be very effective.

Dean Hickman suggested that Business School financial support might be used to augment position funds available in Agricultural Engineering to replace Dick Stith. We would like to make a deal with Ag Engineering for 1/6 or 1/3 of Jim Canestaro's time if that would make it attractive for both Canestaro to relocate to Madison. Dean Hickman is aware of the need to find some funds in the Business School budget for such contingency but has not yet been able to firmly commit. One problem is that Jim Canestaro must remain an instructor until completing his dissertation since University policy prevents awarding a Ph.D. to someone on the tenure track.

Nevertheless we want to provide every encouragement for a joint effort at improving program alternatives for graduate students interested in Facilities Management.



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May 7, 1986

MEMO TO: Jim Graaskamp
Mike Hunt
Bruce Kieffer
Mike Smith

FROM: Bob Bartholomew 

RE: Facility Management Core and Publicity

Attached is the revised version of the Facility Management emphasis description, core and elective courses. Also attached is the summary of the April 29 meeting concerning the development of the facility management emphasis.

Please give me your reaction by Friday, May 16 as to whether there should be any changes in the attached materials. They will be the items you will likely be giving to your chairperson and/or dean to illustrate the formal linkage between our departments. Further, it may form the basis for developing publicity regarding the facility management arrangement we have developed here.

RPB/llm

Attachments

Background

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<p style="text-align: center;">CURRICULUM AND SPECIALTY OPTIONS</p>	Residential	<p style="text-align: center;">Institutional Hospitals Educational Facilities</p>	<p style="text-align: center;">Commercial Office Facilities Retail Facilities</p>
<p>** Changes from Jan 21 meeting (Bartholomew, Hunt, Kieffer, Smith)</p> <p>° Changes from conversation with J. Graaskamp</p>			
<p><u>FACILITY MANAGEMENT CORE</u> (Required of all Facility Management students)</p> <p>Environment, Textiles and Design</p> <p>ETD 221/521* Environment and Behavior</p> <p>ETD 223/523* Architectural Technology</p> <p>Business</p> <p>° Bus 550/709 Real Estate Process</p> <p>° Bus 555 Commercial Property Development and Management</p> <p>Industrial Engineering</p> <p>Stat 312 Intro to Math. Statistics</p> <p>IE 549 Intro. to Human Factors</p>	<p>X</p> <p>X</p> <p></p> <p>X</p> <p>X</p> <p></p> <p>X</p> <p>X</p> <p></p> <p>X</p> <p>X</p>	<p>X</p> <p>X</p> <p></p> <p>X</p> <p>X</p> <p></p> <p>X</p> <p>X</p> <p></p> <p>X</p> <p>X</p>	<p>X</p> <p>X</p> <p></p> <p>X</p> <p>X</p> <p></p> <p>X</p> <p>X</p> <p></p> <p>X</p> <p>X</p>
<p><u>FACILITY MANAGEMENT RELATED COURSES</u> (Examples of courses to select)</p> <p>Environment, Textiles and Design</p> <p>ETD 630 Housing for Elderly</p> <p>ETD 501 CAD</p> <p>ETD 501 Advanced CAD</p> <p>ETD 501 Advanced Environment and Behavior</p> <p>ETD 501 Facility Planning Studio</p> <p>ETD 501 Behavioral Evaluation of Buildings</p>	<p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p>	<p></p> <p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p>	<p></p> <p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p>

	Residential	Institutional Hospitals Educational Facilities	Commercial Office Facilities Retail Facilities
Business			
Bus 532 Organization and Management Process			X
Bus 559 Construction Enterprise Management	X	X	X
Bus 554 Residential Property Development and Management	X		
Bus 555 Commercial Property Development and Management			X
° Bus 597 Urban Economics: Structure & Dynamics			
Bus 601 Health Care Cost Containment		X	
° Bus 757 Real Estate, Market Analysis			
° Bus 851 Real Estate Administration			
Industrial Engineering			
**IE 466 Theory of Design	X	X	X
**IE 315 Production Planning and Control	X	X	X
IE 476 Indus. Engr. Design	X	X	X
IE 610 Program Evaluation		X	X
IE 652 Sociotechnical Systems		X	X
**IE 653 Organization and Job Design			
**IE 691 Special topics (Human Factors and Office Automation)			
IE/PM 691 Special Topics (Ergonomics)			
IE 559 Special Seminar in Human Factors			
Other			
Prev Med 662 Intro to Health & Medical Systems		X	
Prev Med 726 Operations Analysis for Health Services Administration		X	
Consumer Science 371 Housing	X		
Educ 526 Educational Facilities		X	
Educ 702 Organization & Operation of American Educational Enterprise		X	
**Pol Sci 443 Intro. to Public Administration			
**Pol Sci 461 Organizational Theory and Practice			
ETD REQUIREMENTS			
Statistics - 3 credits	X	X	X
Thesis - 6 credits	X	X	X
Research Methods - 3 credits	X	X	X

Meeting April 29 in Room 318 Bob Bartholomew's office

Present: Bob Bartholomew, Mike Hunt, Bruce Kieffer, Mike Smith
(Jim Graaskamp was out of town)

Suggestion: Contact BIFMA to support the F.M. program.

F.M. offers each participating department a gain in expertise not available in all the departments separately. What will help research is a strong point in favor of the F.M. development. A consortium or package for research proposals can be a strong lever for funding. An architectural research consortium that Mike Hunt and Bruce Kieffer are checking into is one possibility.

It was agreed to contact Landscape Architecture, Preventive Medicine and Construction Administration to see if they wish to participate in the F.M. arrangement. At this point, those departments wouldn't be part of the F.M. core, but could have courses listed in the course elective listing.

It is envisioned that these departments will be "funnels" of students into the F.M. graduate program.

It was agreed to refer to the F.M. arrangement as an "emphasis" instead of a "program" to avoid the impression of expansion rather than the consolidation of separate departments.

It was also agreed to contact IFMA and BOMA concerning their assistance in developing our F.M. emphasis, particularly in helping to establish standards or a model for other graduate level F.M. programs.

RPB7-63

EMPHASIS IN FACILITY MANAGEMENT
AT THE MASTER'S LEVEL
AT
UNIVERSITY OF WISCONSIN-MADISON

FORMAT:

The Facility Management emphasis or specialty will be offered within one of three existing Master's programs: Industrial Engineering; Business (BS); and Environment, Textiles, and Design. All three graduate programs require 30 credits of coursework. A thesis is optional in I.E. and Business, but required in ETD.

CORE: All students in the Facility Management emphasis must complete a 6 course core of courses (2 courses in each of I.E., Business, and ETD). Students may receive credit toward the core requirements for coursework taken previously.

CONCENTRATIONS: Three concentrations can be offered in the Facility Management emphasis. The three concentrations represent different facility types: commercial - office and retail facilities; institutional - hospitals and educational facilities; and residential - housing developments for special populations, i.e. the elderly. Concentrations are developed in a student's curriculum via the additional Facility Management related courses offered throughout the UW-Madison campus.

DEGREE REQUIREMENTS: Specific degree requirements are determined by the graduate program in which the student is enrolled, i.e., I.E., Business, ETD.

<p style="text-align: center;">FACILITY MANAGEMENT CURRICULUM AND SPECIALTY OPTIONS</p>	Residential	Institutional Hospitals Educational Facilities	Commercial Office Facilities Retail Facilities
<p><u>FACILITY MANAGEMENT CORE</u> (Required of all Facility Management students)</p> <p>Environment, Textiles and Design</p> <p>ETD 221/521 Environment and Behavior</p> <p>ETD 223/323 Architectural Technology</p> <p>Business</p> <p>Bus 555 Commercial Property Development and Management</p> <p>Bus 550 Real Estate Process</p> <p>Industrial Engineering</p> <p>IE 349 Introduction to Human Factors</p> <p>IE 466 Theory of Design</p>	<p>X</p> <p>X</p> <p></p> <p>X</p> <p>X</p> <p></p> <p>X</p> <p>X</p>	<p>X</p> <p>X</p> <p></p> <p>X</p> <p>X</p> <p></p> <p>X</p> <p>X</p>	<p>X</p> <p>X</p> <p></p> <p>X</p> <p>X</p> <p></p> <p>X</p> <p>X</p>
<p><u>FACILITY MANAGEMENT RELATED COURSES</u> (Examples of courses to select)</p> <p>Environment, Textiles and Design</p> <p>ETD 630 Housing for Elderly</p> <p>ETD 501 CAD</p> <p>ETD 501 Advanced CAD</p> <p>ETD 501 Advanced Environment and Behavior</p> <p>ETD 501 Facility Planning Studio</p> <p>ETD 501 Behavioral Evaluation of Buildings</p>	<p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p>	<p></p> <p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p>	<p></p> <p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p>

	Residential	Institutional Hospitals Educational Facilities	Commercial Office Facilities Retail Facilities
Business			
Bus 532 Organization and Management Process			X
Bus 559 Construction Enterprise Management	X	X	X
Bus 554 Residential Property Development and Management	X		
Bus 601 Health Care Cost Containment		X	
Bus 703 Organizational Behavior			X
Industrial Engineering			
IE 323 Operations Research	X	X	X
IE 324 Operations Research	X	X	X
IE 510 Facility Planning		X	X
IE 610 Program Evaluation		X	X
IE 652 Sociotechnical Systems		X	X
Other			
Prev Med 662 Intro to Health & Medical Systems		X	
Prev Med 726 Operations Analysis for Health Services Administration		X	
Consumer Science 371 Housing	X		
Educ 526 Educational Facilities		X	
Educ 702 Organization & Operation of American Educational Enterprise		X	
<u>ETD REQUIREMENTS</u>			
Statistics - 3 credits	X	X	X
Thesis - 6 credits	X	X	X
Research Methods - 3 credits	X	X	X
ID1-14			



SCHOOL OF FAMILY RESOURCES AND CONSUMER SCIENCES

University of Wisconsin-Madison, 1300 Linden Drive, Madison, WI 53706 608-262-2608

May 5, 1987

MEMO TO: Calvin Cramer
Jim Graaskamp
Jane Graff
Mike Hunt
Marty Kanarek
Bruce Kieffer
John Merrill
Don Schramm
Mike Smith

FROM: Bob Bartholomew *RB*

Two representatives from BOMI (Building Owners and Managers Institute) will be here on Monday, May 11th to share views on facility management and possible ways of working together. This may include curriculum, continuing education, developing educational materials and possibly research projects. Their names are Ray Watkins and Dr. James McQue and they are arriving Sunday evening from Maryland.

Because of the facility management connection, arrangements have been made for a meeting involving faculty from the School of Business, College of Engineering plus Family Resources. This meeting has been set for 9:00 AM in Room 104 Business School. If any of you wish to meet with them at the 9:00 meeting or later in the day, please let me know.

The tentative schedule is as follows:

9:00 AM Conference with those who wish to attend (Room 104 Business School) to discuss curriculum, continuing education, development of educational materials and research.

Noon Conclusion of meeting. If anyone wishes to meet with them in the afternoon, I imagine that can be arranged; please let me know.

RPB/11m

cc: P. Mansfield
H. McCubbin

BOMI Agenda

The facility management program at UW-Madison

- its structure
- future expansion plans
- research potential
- continuing education

The interest in facility management by BOMI

- composition of its members
- continuing education
- preparation of educational materials

Future trends and major issues in Facilities Management from BOMI's perspective and that of the participating departments at UW-Madison

RPB5-99

June 24, 1987

TO: Real Estate Department Faculty and Staff

FROM: J.A. Graaskamp

RE: Concepts for revision of MS Degree in Real Estate Analysis
(note name change)

It may be desirable to restructure the MS Program to permit more emphasis on alternative career opportunity. At the same time, more rigorous prerequisites and a three semester program might reduce enrollments to manageable proportions.

A. Areas of emphasis would include:

1. Real Estate Appraisal
2. Real Estate Finance
3. Real Estate Development
4. Facilities Management

B. Prerequisite Real Estate courses for the MS Student:

1. Business 550/705
- *2. Business 552 - Real Estate Financial Markets and Institutions
3. Business 556 - Real Estate Appraisal
4. Business 557 - Urban Land Economics

C. Core courses common to all MS Majors:

- *1. Business 653 - Real Estate Site and Structural Analysis
2. Business 551 - Real Estate Financial Analysis
3. Business 857 - Business Problem Solving and Conflict Resolution
4. Business 652 - Real Estate and the Microcomputer
5. Business 757 - Real Estate Market Research

D. Advanced Courses in Real Estate Appraisal:

1. Business 856
2. Business 852
3. Nine (9) credits in Engineering and Surveying
4. Three (3) credit Seminar

E. Advanced Courses in Real Estate Finance:

1. Business 850 - Equity Investment
2. URPL - Public Finance of Infrastructure and Development Incentives
3. Six (6) credits of electives in Finance
4. One Course in Real Estate Law
5. Three (3) credit Seminar

F. Advanced Emphasis in Real Estate Development:

1. Business 554 - Residential Development
2. Business 555
3. Nine (9) credits of electives
4. Three (3) credit Seminar

G. Advanced Emphasis on Facilities Management:

1. Business 558 - Property Management
2. Business 851 - Facilities Management and Corporate Real Estate
3. Nine (9) credits of electives from related Arts and Industrial Engineering
4. Three (3) credit Seminar

*New Course

July 12, 1987

MEMORANDUM

TO: Prof. Bob Bartholomew
Prof. Mike Hunt
Prof. Bruce Kieffer
Prof. Mike Smith

FROM: Prof. James Graaskamp *JAG*

RE: Possible MS Curriculum With Facilities Management Option

The Real Estate faculty and Ph.D. students have initiated conversation on restructuring our MS to provide several options for emphasis in addition to a basic core of real estate analysis. The original document for discussion is enclosed. We are having a second departmental meeting on the 20th of July so that we have a definition of faculty needs and course restructuring for fall semester.

No indication as yet as to whether we will be funded for an additional assistant professor as a result of the new State budget.



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John H. Vogt, Management Advisor

John F. Riddle, Director of Development

Meetings & Expositions

Esther B. Marshall, Program Director

Institute for Corporate Real Estate

Jana O'Neal, Director of Member Services

Martha G. Bagby, Executive Editor, Publications

October 15, 1987

Mr. James A. Graaskamp
Chairman/Real Estate &
Urban Land Economics
University of Wisconsin
Graduate School of Business
1155 Observatory Drive
Madison, WI 52706

Dear Chairman Graaskamp:

I am in receipt of your letter (10/6/87) indicating
that your research assistant, David Sharp, received my
personal copy of our CORPORATE REAL ESTATE HANDBOOK.

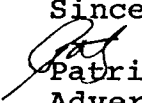
We are all very proud of this publication and I am
delighted that you appreciated the HANDBOOK too.

You indicated that the HANDBOOK will become part of
the required reading for your graduate program for
Facilities Management - Great !

Please consider my personal copy of the HANDBOOK as a
complimentary issue for yourself or your assistant.

Please feel free to contact me when you plan to
order the HANDBOOK and I will be happy to assist you
in any way I can or if you need any further
information, please feel free to call me at 305/683-
8111.

Sincerely,


Patricia M. O'Brien
Advertising Administrator

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