



## NEW/CHANGE PROGRAM REQUEST Graduate Programs

**FLORIDA  
ATLANTIC  
UNIVERSITY**

**Department** Management  
**College** Business

UGPC Approval \_\_\_\_\_  
UFS Approval \_\_\_\_\_  
Banner \_\_\_\_\_  
Catalog \_\_\_\_\_

**Program Name**

Doctor of Philosophy with Major in Business Administration

New Program\*  
 Change Program\*

**Effective Date  
(TERM & YEAR)**

Fall 2021

**Please explain the requested change(s) and offer rationale below or on an attachment.**

1. We wish to move the sentence on full-time basis to the first paragraph as this sentence refers to all concentrations. Also, we would like to add four to five years for the program length of the traditional concentrations in the second paragraph to reflect a change in our approach to the program and allow the student more flexibility.
2. The School of Accounting wishes to replace ACG 7896 Seminar in Capital Markets in Accounting with ACG 7918 Seminar in Current Accounting Research Issues in the required courses.
3. The Finance Department wishes to replace three temporary courses with the new courses being asked to be approved.
4. The ITOM Department has completed revising its course requirements for the ITOM concentration and wishes to 1) change one course, 2) add four new courses, and 3) include the course table in the catalog.
5. The School of Accounting wishes to modify its course table for the above changes in Finance and ITOM.

See attached memo for further details

\*All new programs and changes to existing programs must be accompanied by a catalog entry showing the new or proposed changes.

**Faculty Contact/Email/Phone**

Mark Kohlbeck, Director of COB PhD Programs  
mkohlbec@fau.edu  
561-297-1367

**Consult and list departments that may be affected by the change(s) and attach documentation**

None

**Approved by**  
Director COB PhD Programs  
Department Chair

*[Signature]*

**Date**

*2/2/2021*  
*3/9/21*

College Curriculum Chair

*[Signature]* Pennalton

College Dean

*Ken Johnson*  
*Christopher Beebe*

UGPC Chair

*[Signature]*

UGC Chair

*[Signature]*

Graduate College Dean

UFS President

Provost

3-11-21  
Apr 4, 2021  
Apr 5, 2021  
Apr 5, 2021

Email this form and attachments to [UGPC@fau.edu](mailto:UGPC@fau.edu) 10 days before the UGPC meeting.

# MEMORANDUM

DATE: March 3, 2021

TO: Graduate Curriculum Chair

FROM: Dr. Mark Kohlbeck  
Director of the College of Business PhD Programs  
School of Accounting  
mkohlbeck@fau.edu

SUBJECT: Combined proposal to update PhD program in catalog and add new courses

1. We wish to move the sentence on full-time basis to the first paragraph as this sentence refers to all concentrations. Also, we would like to add four to five years for the program length of the traditional concentrations in the second paragraph to reflect a change in our approach to the program and allow the student more flexibility.

2. The School of Accounting wishes to replace ACG 7896 Seminar in Capital Markets in Accounting with ACG 7918 Seminar in Current Accounting Research Issues in the required courses for the accounting concentration in the Ph.D. program. ACG 7896 Seminar in Capital Markets in Accounting will be included as an elective. The reason for this change is the overlap between ACG 7896 with other classes that students take (e.g., FIN 7247 Capital Markets Seminar) and the ability to adapt the new course to the current state of the field and cover relevant topics accordingly.

3. The Finance Department wishes to replace three temporary courses with the new courses being asked to be approved.

- Seminar in Financial Institutions, FIN 7811
- Empirical Methods in Finance, FIN 7817
- Seminar in International Finance, FIN 7938

4. The ITOM Department revised its course requirements for the ITOM concentration and wishes to 1) change one course (Business Transformation in IS and OM, ISM 7345), 2) add the following four new courses,

- Advanced Business Analytics, ISM 7405
- Big Data Research Methods, ISM 7886
- Seminar in Operations & Supply Chain Management, MAN 7768
- Business Impact of AI and Emerging Technologies, MAN 7926

and 3) include the course table detailed below in the catalog.

5. The School of Accounting wishes to expand the options for statistics courses and electives to include the courses added in 3. and 4., above, as follows:

## Statistics

Empirical Methods in Finance	FIN 7811	3
Advanced Business Analytics	ISM 6505	3

## Electives

Seminar in Financial Institutions	FIN 7811	3
Empirical Methods in Finance	FIN 7817	3
Seminar in International Finance	FIN 7938	3
Business Transformation in IS and OM	ISM 7345	3
Big Data Research Methods	ISM 7886	3
Seminar in Information Systems	ISM 7935	3
Seminar in Operation Management & Supply Chain Management	MAN 7768	3
Business Impact of AI and Emerging Technologies	MAN 7926	3

## **Required Catalog Changes**

### **CURRENT:**

#### **Doctor of Philosophy with Major in Business Administration** (Changes effective spring 2021.)

The College of Business offers a Doctor of Philosophy (Ph.D.) degree in Business Administration with concentrations in Accounting, Finance, Information Technology, Management and Marketing (collectively referred to as the specialized concentrations) and an [Executive](#) concentration. Required courses consist of a set of tool courses (such as statistics and econometrics), a set of courses tailored to the student's concentration and a dissertation.

The doctoral program's specialized concentrations prepare students for university teaching and research. Students entering the doctoral program and pursuing a specialized concentration typically have a master's in a Business Administration program and require about four years to complete the requirements for the Ph.D. in Business Administration. Students accepted in the program are expected to enroll on a full-time basis. The Executive Doctorate concentration of the doctoral program enhances research and consulting capabilities. Students entering the doctoral program pursuing an Executive Doctorate have significant business experience and require three years to complete requirements for the Ph.D. in Business Administration.

### **Admission Requirements**

Admission to the program is restricted to students who show exceptionally high promise for mastering the conceptual and analytic tools required for doctoral study in business. Evidence of such promise is obtained by evaluation of previous graduate and undergraduate class standing, the score on the Graduate Management Admission Test (GMAT) or Graduate Record Examination (GRE), letters of recommendation and the applicant's statement of career goals. In addition, if feasible, applicants are interviewed either in person, by video or by telephone. The minimum criteria for admission include the following:

1. The student must satisfactorily meet the general University requirements for admission to graduate programs. International applicants must also satisfactorily meet any additional requirements of the Graduate College. Additional details are found [here](#).
2. The student must hold a master's in a related discipline or an M.B.A. degree, preferably from an AACSB-accredited, graduate-level institution.
3. Typically the student presents a minimum score of 600 on the GMAT or a comparable score on the GRE, taken within the last five years.
4. An applicant whose native language is not English must present a minimum score as set by the Graduate College on the Test of English as a Foreign Language (TOEFL) or the Test of Spoken English (TSE). Applicants who have completed a minimum of two years of postsecondary education in the United States are exempt from this requirement.

An entering student is expected to be proficient in computer and quantitative skills. An exceptionally qualified student with a master's degree in a non-business discipline may also enter the program, but must undertake additional work that is sufficient to establish knowledge of the material comprising the AACSB M.B.A. core requirements. The minimum criteria do not guarantee acceptance into the program, as enrollment in any year is limited.

### **Application Process and More Information**

For details about admission and degree requirements for the Ph.D. degree in Business Administration, contact [Program Admissions](#), 561-297-2179.

### **Degree Requirements**

1. Basic Tool Areas: Doctoral-level courses such as Statistics, Quantitative Methods and Economics.
2. Area of Concentration: Several courses are required in the student's area of concentration.
3. Comprehensive Examination: Students pursuing specialized concentrations must pass a comprehensive examination that will be administered in the area of the concentration after completion of all required coursework.
4. Dissertation: A minimum of 18 credits of dissertation must be taken, and the completed dissertation, reflecting an original contribution to knowledge, must be successfully defended at both the proposal stage as well as at the final completed stage.
5. A minimum of 80 credits is required (including dissertation credits).

6. To remain in good standing, Ph.D. students must maintain a minimum grade point average of 3.0 (based on a 4.0 scale) on all courses taken for the doctoral program (individual concentrations may have higher minimums). If a Ph.D. student receives a grade below "B" for any course or has a grade point average below the minimum permitted for the student's area of concentration, a Ph.D. committee of professors within the student's area of concentration will decide whether any action (such as remedial coursework requirements, dismissal, etc.) should be taken.

<b>Accounting Concentration in the Ph.D. Program in Business Administration</b>		
<b>Foundation and Statistics Courses - 24 credits</b>		
Advanced Accounting Theory	ACG 6135	3
Scientific Method in Business	ACG 7884	3
Seminar in University Business Education	BTE 7145	3
Advanced Microeconomics	ECO 6115	3
Advanced Econometrics	ECO 6426	3
Research Methods 1	QMB 7565	3
<i>Select 6 credits from the following list</i>		
Topics in Econometrics	ECO 6424	3
Special Topics	ECO 6930	1-3
Seminar in Current Financial Research (Topic is Empirical Methods in Finance)	FIN 7932	3
Research Methods 2	QMB 7566	3
Measurement Design and Evaluation	QMB 7567	3
Experimental Design 2	PSY 6207	3
Advanced Statistics	STA 7114	3
<b>Accounting Core Courses - 18 credits</b>		
Seminar in Financial Accounting	ACG 7145	3
Seminar in Accounting Information Systems	ACG 7415	3
Seminar in Auditing	ACG 7646	3
Seminar on Accounting Research and Capital Markets	ACG 7896	3
Summer Paper	ACG 7917	3
Qualifying Research Project	ACG 7916	3
<b>Elective Courses - 9 credits</b>		
<i>Select 9 credits from the following courses, two of which must be at the 7000 level</i>		
Special Topics in Accounting (may be taken multiple times if topics vary)	ACG 7935	3
Advanced Macroeconomics	ECO 6206	3
Advanced Game Theory and Applications	ECO 6409	3
Introduction to Qualitative Theory	EDA 6415	3
Financial Markets	FIN 6246	3
Investment Management	FIN 6515	3
Advanced Financial Management	FIN 6806	3
Seminar in Capital Markets	FIN 7247	3
Seminar in Corporate Financial Theory	FIN 7449	3
Seminar in Investments	FIN 7527	3
Seminar in Current Financial Research (may be taken multiple times if topics vary)	FIN 7932	3
Organizational Theory	MAN 7207	3
Organizational Behavior	MAN 7275	3
Advanced Social Behavior	SOP 6079	3
Cognitive Behavioral Theory and Techniques for Social Work	SOW 6128	3
<b>Dissertation - 30 credits (minimum)</b>		

Advanced Research in Accounting ( <i>may be taken multiple times</i> )	ACG 7978	12-18
Doctoral Dissertation in Accounting ( <i>may be taken multiple times</i> )	ACG 7980	18-24

<b>Finance Concentration in the Ph.D. Program in Business Administration</b>		
<b>Foundation and Statistics Courses - 18 credits</b>		
Seminar in University Business Education	BTE 7145	3
Advanced Microeconomics	ECO 6115	3
Advanced Econometrics	ECO 6426	3
Special Topics	ECO 6930	3
Seminar in Current Financial Research	FIN 7932	3
Research Methods 1	QMB 7565	3
<b>Finance Core Courses - 9 credits</b>		
Seminar in Capital Markets	FIN 7247	3
Seminar in Corporate Financial Theory	FIN 7449	3
Seminar in Investments	FIN 7527	3
<b>Elective Courses - 18 credits</b>		
<i>Select a total of 18 credits from the following list,</i>		
Advanced Accounting Theory	ACG 6135	3
Seminar in Financial Accounting	ACG 7145	3
Advanced Macroeconomics	ECO 6206	3
Advanced Mathematical Economics	ECO 6403	3
Advanced Game Theory and Applications	ECO 6409	3
Topics in Econometrics	ECO 6424	3
Advanced International Monetary Economics	ECO 6716	3
Financial Markets	FIN 6246	3
Financial Management: Investment Decisions and Policy	FIN 6436	3
Quantitative Methods in Finance	FIN 6456	3
Investment Management	FIN 6515	3
Financial Risk Management and Derivatives	FIN 6537	3
Multinational Finance	FIN 6605	3
Theory of Financial Management	FIN 6804	3
Advanced Financial Management	FIN 6806	3
Directed Independent Study	FIN 6906	1-3
Special Topics	FIN 6936	1-3
Seminar in Current Financial Research ( <i>may be taken multiple times if topics vary</i> )	FIN 7932	3
Advanced Research in Finance ( <i>may be taken multiple times</i> )	FIN 7978	1-9
Risk Management and Insurance	RMI 6016	3
Corporate Risk Management	RMI 6356	3
Applied Time Series Analysis	STA 6857	3
Advanced Statistics	STA 7114	3
<b>Dissertation - 36 credits (minimum)</b>		
Advanced Research in Finance ( <i>may be taken multiple times</i> )	FIN 7978	18
Doctoral Dissertation - Finance/Real Estate ( <i>may be taken multiple times</i> )	FIN 7980	18-24

**Information Technology and Operations Management, a Specialized Concentration in the Ph.D. Program in Business Administration**

The Information Technology and Operations Management concentration is a multidisciplinary field of study that focuses on the design, development, implementation and use of information technology to solve organizational problems. The

program stresses both theory and research. For information, contact [Dr. Chul Woo Yoo](#), the Information Technology and Operations Management Department Ph.D. Coordinator.

<b>Management Concentration in the Ph.D. Program in Business Administration</b>		
<b>Research Foundation and Statistics Courses – 15 credits</b>		
Seminar in University Business Education	BTE 7145	3
Scientific Method in Business	MAN 7640	3
Research Methods 1	QMB 7565	3
Measurement Design and Evaluation	QMB 7567	3
<i>Select 3 credits from the following list</i>		
Research Methods 2	QMB 7566	3
Advanced Statistics	STA 7114	3
<b>Management Core Courses - 12 credits</b>		
The Entrepreneurship Field	ENT 7168	3
Organizational Theory	MAN 7207	3
Organizational Behavior	MAN 7275	3
Strategic Management Seminar	MAN 7729	3
<b>Elective Courses - 18 credits</b>		
<i>Select a total of 18 credits from the following list</i>		
Advanced Econometrics	ECO 6426	3
Special Topics	ECO 6930	3
Introduction to Qualitative Theory	EDA 6415	3
Advanced Qualitative Inquiry	EDA 7416	3
Seminar in Current Financial Research ( <i>may be taken multiple times if topics vary</i> )	FIN 7932	3
International Business Operations	MAN 6614	3
Managing Effectively in Emerging Market Economies	MAN 6728	3
Directed Independent Study	MAN 6905	1-4
Industrial-Organizational Psychology	MAN 7326	3
International Organizational Studies	MAN 7685	3
Special Topics in Management ( <i>may be taken multiple times if topics vary</i> )	MAN 7931	3
Advanced Research in Management	MAN 7978	1-9
Grant Writing and Project Management	PAD 6233	3
Seminar in Organization Theory	PAD 7107	3
Organizational Behavior and Development	PAD 7155	3
Qualitative Methods in Public Affairs Research	PAF 7820	3
Advanced Social Behavior	SOP 6079	3
Cognitive Behavioral Theory and Techniques for Social Work	SOW 6128	3
Seminar in Advanced Qualitative Methods	SYA 6315	3
<b>Dissertation - 36 credits (minimum)</b>		
Advanced Research in Management ( <i>may be taken multiple times</i> )	MAN 7978	18
Doctoral Dissertation - Management ( <i>may be taken multiple times</i> )	MAN 7980	18-24

<b>Marketing Concentration in the Ph.D. Program in Business Administration</b>		
<b><i>Foundation and Statistics Courses - 15 credits</i></b>		
Seminar in University Business Education	BTE 7145	3
Scientific Method in Business	MAR 7785	3
Research Methods 1	QMB 7565	3
Measurement Design and Evaluation	QMB 7567	3
<i>Select 3 credits from the following list</i>		
Research Methods 2	QMB 7566	3
Advanced Statistics	STA 7114	3
<b><i>Marketing Core Courses - 12 credits</i></b>		
Interorganizational Relationships in Marketing	MAR 7459	3
Seminar in Consumer Behavior	MAN 7507	3
Seminar in Marketing 1 and 2 (students take the course once as seminar 1, and then as seminar 2, 3 credits each)	MAR 7936	6
<b><i>Elective Courses - 18 credits</i></b>		
<i>Select a total of 18 credits from the following list</i>		
Topics in Econometrics	ECO 6424	3
Advanced Econometrics	ECO 6426	3
Special Topics	ECO 6930	3
Introduction to Qualitative Theory	EDA 6415	3
Seminar in Human Perception	EXP 6208	3
Seminar in Cognition	EXP 6609	3
Special Topics in Cognition	EXP 6930	3
Organizational Theory	MAN 7207	3
Organizational Behavior	MAN 7275	3
Strategic Management Seminar	MAN 7729	3
Special Topics in Marketing (may be taken multiple times, if topics vary)	MAR 7931	3
Special Topics in Personality and Social Psychology	PPE 6930	3
<b><i>Dissertation - 36 credits (minimum)</i></b>		
Advanced Research in Marketing (may be taken multiple times)	MAR 7978	18
Doctoral Dissertation in Marketing (may be taken multiple times)	MAR 7980	18-24

<b>Executive Concentration in the Ph.D. Program in Business Administration</b>		
<b><i>Foundation and Statistics Courses - 9 credits</i></b>		
Topics in Econometrics	ECO 6424	3
Research Methods 1	QMB 7565	3
Research Methods 2	QMB 7566	3
<b><i>Executive Core Courses - 36 credits</i></b>		
Survey of Accounting Behavioral Research	ACG 7837	3



Survey of Archival Accounting Research	ACG 7886	3
Microeconomic Foundations of Strategic Decision Making	ECO 7178	3
Contemporary Issues in Global Macroeconomics	ECO 7296	3
Theory of Corporate Finance: Readings and Empirics	FIN 7808	3
State-of-the-Art Managerial Finance	FIN 7895	3
Organizational Impacts of Information Systems	ISM 7345	3
Seminar in Information Systems	ISM 7935	3
Strategic Management Seminar	MAN 7729	3
Advanced Management Theory	MAN 7779	3
Seminar in Marketing 1 and 2 (Students take course twice, once as seminar 1 and then as seminar 2, 3 credits each.)	MAR 7936	6
<b><i>Dissertation - 35 credits (minimum)</i></b>		
<b><i>Choose 9 credits in area of interest (may be taken multiple times)</i></b>		
Advanced Research in Accounting	ACG 7978	1-9
Advanced Research in Economics	ECO 7917	1-3
Advanced Research in Finance	FIN 7978	1-9
Advanced Research in Information Technology	ISM 7978	1-9
Advanced Research in Management	MAN 7978	1-9
Advanced Research in Marketing	MAR 7978	1-9
<b><i>Choose courses in area of interest - 26 credits (may be taken multiple times)</i></b>		
Doctoral Dissertation in Accounting	ACG 7980	1-12
Doctoral Dissertation - Finance/Real Estate	FIN 7980	1-15
Doctoral Dissertation Research	ISM 7980	1-15
Doctoral Dissertation - Management	MAN 7980	1-15
Doctoral Dissertation in Marketing	MAR 7980	1-15

## **PROPOSED (changes in red, other than section title):**

### **Doctor of Philosophy with Major in Business Administration**

The College of Business offers a Doctor of Philosophy (Ph.D.) degree in Business Administration with concentrations in Accounting, Finance, Information Technology, Management and Marketing (collectively referred to as the specialized concentrations) and an [Executive](#) concentration. Required courses consist of a set of tool courses (such as statistics and econometrics), a set of courses tailored to the student's concentration and a dissertation. **Students accepted in the program are required to enroll on a full-time basis.**

The doctoral program's specialized concentrations prepare students for university teaching and research. Students entering the doctoral program and pursuing a specialized concentration typically have a master's in a Business Administration program and require about four **to five** years to complete the requirements for the Ph.D. in Business Administration. ~~Students accepted in the program are expected to enroll on a full-time basis.~~ The Executive Doctorate concentration of the doctoral program enhances research and consulting capabilities. Students entering the doctoral program pursuing an Executive Doctorate have significant business experience and require three years to complete requirements for the Ph.D. in Business Administration.

#### **Admission Requirements**

Admission to the program is restricted to students who show exceptionally high promise for mastering the conceptual and analytic tools required for doctoral study in business. Evidence of such promise is obtained by evaluation of previous graduate and undergraduate class standing, the score on the Graduate Management Admission Test (GMAT) or Graduate Record Examination (GRE), letters of recommendation and the applicant's statement of career goals. In addition, if feasible, applicants are interviewed either in person, by video or by telephone. The minimum criteria for admission include the following:

1. The student must satisfactorily meet the general University requirements for admission to graduate programs. International applicants must also satisfactorily meet any additional requirements of the Graduate College. Additional details are found [here](#).
2. The student must hold a master's in a related discipline or an M.B.A. degree, preferably from an AACSB-accredited, graduate-level institution.
3. Typically the student presents a minimum score of 600 on the GMAT or a comparable score on the GRE, taken within the last five years.
4. An applicant whose native language is not English must present a minimum score as set by the Graduate College on the Test of English as a Foreign Language (TOEFL) or the Test of Spoken English (TSE). Applicants who have completed a minimum of two years of postsecondary education in the United States are exempt from this requirement.

An entering student is expected to be proficient in computer and quantitative skills. An exceptionally qualified student with a master's degree in a non-business discipline may also enter the program, but must undertake additional work that is sufficient to establish knowledge of the material comprising the AACSB M.B.A. core requirements. The minimum criteria do not guarantee acceptance into the program, as enrollment in any year is limited.

#### **Application Process and More Information**

For details about admission and degree requirements for the Ph.D. degree in Business Administration, contact [Program Admissions](#), 561-297-2179.

#### **Degree Requirements**

1. Basic Tool Areas: Doctoral-level courses such as Statistics, Quantitative Methods and Economics.
2. Area of Concentration: Several courses are required in the student's area of concentration.
3. Comprehensive Examination: Students pursuing specialized concentrations must pass a comprehensive examination that will be administered in the area of the concentration after completion of all required coursework.
4. Dissertation: A minimum of 18 credits of dissertation must be taken, and the completed dissertation, reflecting an original contribution to knowledge, must be successfully defended at both the proposal stage as well as at the final completed stage.
5. A minimum of 80 credits is required (including dissertation credits).

6. To remain in good standing, Ph.D. students must maintain a minimum grade point average of 3.0 (based on a 4.0 scale) on all courses taken for the doctoral program (individual concentrations may have higher minimums). If a Ph.D. student receives a grade below "B" for any course or has a grade point average below the minimum permitted for the student's area of concentration, a Ph.D. committee of professors within the student's area of concentration will decide whether any action (such as remedial coursework requirements, dismissal, etc.) should be taken.

<b>Accounting Concentration in the Ph.D. Program in Business Administration</b>		
<b>Foundation and Statistics Courses - 24 credits</b>		
Advanced Accounting Theory	ACG 6135	3
Scientific Method in Business	ACG 7884	3
Seminar in University Business Education	BTE 7145	3
Advanced Microeconomics	ECO 6115	3
Advanced Econometrics	ECO 6426	3
Research Methods 1	QMB 7565	3
<i>Select 6 credits from the following list</i>		
Topics in Econometrics	ECO 6424	3
Special Topics	ECO 6930	1-3
<del>Seminar in Current Financial Research (Topic is Empirical Methods in Finance)</del>	<del>FIN 7817932</del>	<del>3</del>
<del>Advanced Business Analytics</del>	<del>ISM 6505</del>	<del>3</del>
Research Methods 2	QMB 7566	3
Measurement Design and Evaluation	QMB 7567	3
Experimental Design 2	PSY 6207	3
Advanced Statistics	STA 7114	3
<b>Accounting Core Courses - 18 credits</b>		
Seminar in Financial Accounting	ACG 7145	3
Seminar in Accounting Information Systems	ACG 7415	3
Seminar in Auditing	ACG 7646	3
<del>Seminar on Accounting Research and Capital Markets</del>	<del>ACG 7896</del>	<del>3</del>
<del>Seminar in Current Accounting Research Issues</del>	<del>ACG 7918</del>	<del>3</del>
Summer Paper	ACG 7917	3
Qualifying Research Project	ACG 7916	3
<b>Elective Courses - 9 credits</b>		
<i>Select 9 credits from the following courses, two of which must be at the 7000 level</i>		
<del>Seminar on Accounting Research and Capital Markets</del>	<del>ACG 7896</del>	<del>3</del>
Special Topics in Accounting (may be taken multiple times if topics vary)	ACG 7935	3
Advanced Macroeconomics	ECO 6206	3
Advanced Game Theory and Applications	ECO 6409	3
Introduction to Qualitative Theory	EDA 6415	3
Financial Markets	FIN 6246	3
Investment Management	FIN 6515	3
Advanced Financial Management	FIN 6806	3
Seminar in Capital Markets	FIN 7247	3
Seminar in Corporate Financial Theory	FIN 7449	3
Seminar in Investments	FIN 7527	3
<del>Seminar in Financial Institutions</del>	<del>FIN 7811</del>	<del>3</del>
<del>Empirical Methods in Finance</del>	<del>FIN 7817</del>	<del>3</del>
Seminar in Current Financial Research (may be taken multiple times if topics vary)	FIN 7932	3

Seminar in International Finance	FIN 7938	3
Business Transformation in IS and OM	ISM 7345	3
Big Data Research Methods	ISM 7886	3
Seminar in Information Systems	ISM 7935	3
Organizational Theory	MAN 7207	3
Organizational Behavior	MAN 7275	3
Seminar in Operation Management & Supply Chain Management	MAN 7768	3
Business Impact of AI and Emerging Technologies	MAN 7926	3
Advanced Social Behavior	SOP 6079	3
Cognitive Behavioral Theory and Techniques for Social Work	SOW 6128	3
<b>Dissertation - 30 credits (minimum)</b>		
Advanced Research in Accounting (may be taken multiple times)	ACG 7978	12-18
Doctoral Dissertation in Accounting (may be taken multiple times)	ACG 7980	18-24

<b>Finance Concentration in the Ph.D. Program in Business Administration</b>		
<b>Foundation and Statistics Courses - 18 credits</b>		
Seminar in University Business Education	BTE 7145	3
Advanced Microeconomics	ECO 6115	3
Advanced Econometrics	ECO 6426	3
Special Topics	ECO 6930	3
Empirical Methods in Finance	FIN 7817	3
<del>Seminar in Current Financial Research</del>	<del>FIN 7932</del>	<del>3</del>
Research Methods 1	QMB 7565	3
<b>Finance Core Courses – 12 9 credits</b>		
Seminar in Capital Markets	FIN 7247	3
Seminar in Corporate Financial Theory	FIN 7449	3
Seminar in Investments	FIN 7527	3
Seminar in International Finance	FIN 7938	3
<b>Elective Courses – 15 8 credits</b>		
<i>Select a total of 15 8 credits from the following list,</i>		
Advanced Accounting Theory	ACG 6135	3
Seminar in Financial Accounting	ACG 7145	3
Advanced Macroeconomics	ECO 6206	3
Advanced Mathematical Economics	ECO 6403	3
Advanced Game Theory and Applications	ECO 6409	3
Topics in Econometrics	ECO 6424	3
Advanced International Monetary Economics	ECO 6716	3
Financial Markets	FIN 6246	3
Financial Management: Investment Decisions and Policy	FIN 6436	3
Quantitative Methods in Finance	FIN 6456	3
Investment Management	FIN 6515	3
Financial Risk Management and Derivatives	FIN 6537	3
Multinational Finance	FIN 6605	3
Theory of Financial Management	FIN 6804	3
Advanced Financial Management	FIN 6806	3
Directed Independent Study	FIN 6906	1-3
Special Topics	FIN 6936	1-3
Seminar in Financial Institutions	FIN 7811	3

Seminar in Current Financial Research ( <i>may be taken multiple times if topics vary</i> )	FIN 7932	3
Advanced Research in Finance ( <i>may be taken multiple times</i> )	FIN 7978	1-9
Risk Management and Insurance	RMI 6016	3
Corporate Risk Management	RMI 6356	3
Applied Time Series Analysis	STA 6857	3
Advanced Statistics	STA 7114	3
<b>Dissertation - 36 credits (minimum)</b>		
Advanced Research in Finance ( <i>may be taken multiple times</i> )	FIN 7978	18
Doctoral Dissertation - Finance/Real Estate ( <i>may be taken multiple times</i> )	FIN 7980	18-24

### **Information Technology and Operations Management Concentration in the Ph.D. Program in Business Administration**

The Information Technology and Operations Management concentration is a multidisciplinary field of study that focuses on the design, development, implementation and use of information technology to solve organizational problems. The program stresses both theory and research. For information, contact Dr. Chul Woo Yoo, the Information Technology and Operations Management Department Ph.D. Coordinator.

<b>Information Technology and Operations Management, a Specialized Concentration in the Ph.D. Program in Business Administration</b>		
<b>Foundation and Statistics Courses - 18 credits</b>		
Seminar in University Business Education	BTE 7145	3
Big Data Research Methods	ISM 7886	3
Scientific Method in Business	MAN 7640	3
Research Methods 1	QMB 7565	3
<i>Select 3 credits from the following list</i>		
Research Methods 2	QMB 7566	3
Measurement Design and Evaluation	QMB 7567	3
<i>Select 3 credits from the following list</i>		
Topics in Econometrics	ECO 6424	3
Advanced Econometrics	ECO 6426	3
Experimental Design 2	PSY 6207	3
Advanced Statistics	STA 7114	3
<b>ITOM Core Courses - 12 credits</b>		
Business Transformation in Information Systems and Operations Management	ISM 7345	3
Seminar in Information Systems	ISM 7935	3
Seminar in Operations & Supply Chain Management	MAN 7768	3
Business Impact of Artificial Intelligence and Emerging Technologies	MAN 7926	3
<b>Elective Courses - 15 credits</b>		
<i>Select a total of 15 credits from the following list</i>		
Seminar in Accounting Information Systems	ACG 7415	3
Seminar in Current Financial Research	FIN 7932	3
Advanced Business Analytics	ISM 7405	3
Organization Theory	MAN 7207	3
Organizational Behavior	MAN 7275	3
Strategic Management Seminar	MAN 7729	3
Advanced Microeconomics	ECO 6115	3
Advanced Mathematical Economics	ECO 6403	3
Introduction to Qualitative Inquiry	EDA 6415	3

Management of Information Assurance and Security	ISM 6328	3
Introduction to Business Analytics and Big Data	ISM 6404	3
Supply Chain Analytics	ISM 6538	3
Operations Management	MAN 6501	3
Business Process Improvement Management	MAN 6525	3
Supply Chain Management	MAN 6596	3
International Shipping Trade Port Management	MAN 6675	3
<b>Dissertation - 36 credits (minimum)</b>		
Advanced Research in Information Technology (may be taken multiple times)	ISM 7978	6-12
Doctoral Dissertation in Information Technology (may be taken multiple times)	ISM 7980	18-24

<b>Management Concentration in the Ph.D. Program in Business Administration</b>		
<b>Research Foundation and Statistics Courses – 15 credits</b>		
Seminar in University Business Education	BTE 7145	3
Scientific Method in Business	MAN 7640	3
Research Methods 1	QMB 7565	3
Measurement Design and Evaluation	QMB 7567	3
<i>Select 3 credits from the following list</i>		
Research Methods 2	QMB 7566	3
Advanced Statistics	STA 7114	3
<b>Management Core Courses - 12 credits</b>		
The Entrepreneurship Field	ENT 7168	3
Organizational Theory	MAN 7207	3
Organizational Behavior	MAN 7275	3
Strategic Management Seminar	MAN 7729	3
<b>Elective Courses - 18 credits</b>		
<i>Select a total of 18 credits from the following list</i>		
Advanced Econometrics	ECO 6426	3
Special Topics	ECO 6930	3
Introduction to Qualitative Theory	EDA 6415	3
Advanced Qualitative Inquiry	EDA 7416	3
Seminar in Current Financial Research (may be taken multiple times if topics vary)	FIN 7932	3
International Business Operations	MAN 6614	3
Managing Effectively in Emerging Market Economies	MAN 6728	3
Directed Independent Study	MAN 6905	1-4
Industrial-Organizational Psychology	MAN 7326	3
International Organizational Studies	MAN 7685	3
Special Topics in Management (may be taken multiple times if topics vary)	MAN 7931	3
Advanced Research in Management	MAN 7978	1-9
Grant Writing and Project Management	PAD 6233	3
Seminar in Organization Theory	PAD 7107	3

Organizational Behavior and Development	PAD 7155	3
Qualitative Methods in Public Affairs Research	PAF 7820	3
Advanced Social Behavior	SOP 6079	3
Cognitive Behavioral Theory and Techniques for Social Work	SOW 6128	3
Seminar in Advanced Qualitative Methods	SYA 6315	3
<b><i>Dissertation - 36 credits (minimum)</i></b>		
Advanced Research in Management ( <i>may be taken multiple times</i> )	MAN 7978	18
Doctoral Dissertation - Management ( <i>may be taken multiple times</i> )	MAN 7980	18-24

<b>Marketing Concentration in the Ph.D. Program in Business Administration</b>		
<b><i>Foundation and Statistics Courses - 15 credits</i></b>		
Seminar in University Business Education	BTE 7145	3
Scientific Method in Business	MAR 7785	3
Research Methods 1	QMB 7565	3
Measurement Design and Evaluation	QMB 7567	3
<i>Select 3 credits from the following list</i>		
Research Methods 2	QMB 7566	3
Advanced Statistics	STA 7114	3
<b><i>Marketing Core Courses - 12 credits</i></b>		
Interorganizational Relationships in Marketing	MAR 7459	3
Seminar in Consumer Behavior	MAN 7507	3
Seminar in Marketing 1 and 2 (students take the course once as seminar 1, and then as seminar 2, 3 credits each)	MAR 7936	6
<b><i>Elective Courses - 18 credits</i></b>		
<i>Select a total of 18 credits from the following list</i>		
Topics in Econometrics	ECO 6424	3
Advanced Econometrics	ECO 6426	3
Special Topics	ECO 6930	3
Introduction to Qualitative Theory	EDA 6415	3
Seminar in Human Perception	EXP 6208	3
Seminar in Cognition	EXP 6609	3
Special Topics in Cognition	EXP 6930	3
Organizational Theory	MAN 7207	3
Organizational Behavior	MAN 7275	3
Strategic Management Seminar	MAN 7729	3
Special Topics in Marketing (may be taken multiple times, if topics vary)	MAR 7931	3
Special Topics in Personality and Social Psychology	PPE 6930	3
<b><i>Dissertation - 36 credits (minimum)</i></b>		
Advanced Research in Marketing (may be taken multiple times)	MAR 7978	18

Doctoral Dissertation in Marketing (may be taken multiple times)	MAR 7980	18-24
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<b>Executive Concentration in the Ph.D. Program in Business Administration</b>		
<b>Foundation and Statistics Courses - 9 credits</b>		
Topics in Econometrics	ECO 6424	3
Research Methods 1	QMB 7565	3
Research Methods 2	QMB 7566	3
<b>Executive Core Courses - 36 credits</b>		
Survey of Accounting Behavioral Research	ACG 7837	3
Survey of Archival Accounting Research	ACG 7886	3
Microeconomic Foundations of Strategic Decision Making	ECO 7178	3
Contemporary Issues in Global Macroeconomics	ECO 7296	3
Theory of Corporate Finance: Readings and Empirics	FIN 7808	3
State-of-the-Art Managerial Finance	FIN 7895	3
Organizational Impacts of Information Systems	ISM 7345	3
Seminar in Information Systems	ISM 7935	3
Strategic Management Seminar	MAN 7729	3
Advanced Management Theory	MAN 7779	3
Seminar in Marketing 1 and 2 (Students take course twice, once as seminar 1 and then as seminar 2, 3 credits each.)	MAR 7936	6
<b>Dissertation - 35 credits (minimum)</b>		
<b>Choose 9 credits in area of interest</b> (may be taken multiple times)		
Advanced Research in Accounting	ACG 7978	1-9
Advanced Research in Economics	ECO 7917	1-3
Advanced Research in Finance	FIN 7978	1-9
Advanced Research in Information Technology	ISM 7978	1-9
Advanced Research in Management	MAN 7978	1-9
Advanced Research in Marketing	MAR 7978	1-9
<b>Choose courses in area of interest - 26 credits</b> (may be taken multiple times)		
Doctoral Dissertation in Accounting	ACG 7980	1-12
Doctoral Dissertation - Finance/Real Estate	FIN 7980	1-15
Doctoral Dissertation Research	ISM 7980	1-15
Doctoral Dissertation - Management	MAN 7980	1-15
Doctoral Dissertation in Marketing	MAR 7980	1-15