A Guide to the

Ph.D. in Business Administration with a Concentration in Economics

Revised Fall 2010

This guide provides a description of the policies and procedures for the Economics concentration in the Ph.D. in Business Administration and the curriculum for the economics concentration as approved by the Economics faculty and appropriate College and University bodies. It is a supplement to the Fogelman College guidelines for the Ph.D in Business Administration. University (online at http://www.memphis.edu/gradschool/) and College ((online at http://www.memphis.edu/fcbephd/index.php) policies take precedence over any in this document in case of conflict. Also contained in this Guide are additional guidelines and suggestions to help students through the program. The Economics faculty approved the latest revisions April 20, 2001; January, 2003; September, 2003; February, 2005; February, 2006; Spring 2007; and Fall 010.

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William T. Smith, Department Chair
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A Guide to the
Ph.D. in Business Administration with a Concentration in Economics

Contents

I. The Nature of the Program
   A. Objective
   B. Our Department
   C. Mentoring
   D. Awards and Fellowships
   E. How Long Does It Take?

II. Admissions and Prerequisites
   A. Eligibility for the Ph.D. Program
   B. Funding
      1. Types of Assistantships
      2. Responsibilities and Remuneration
      3. Duration
   C. Admission
      1. Evaluation Criteria
   D. Prerequisites
      1. Undergraduate Prerequisites
      2. Graduate Prerequisites

III. Course Requirements
   A. Total credit Hours
   B. The Research Core
   C. The Concentration
      1. Theory Classes
      2. Specialization Classes
   D. The Minor
      1. Minors for Economics Students
      2. Economics Minors for Non-economics Students
   E. Master Schedule of Classes and Program of Study
Ph.D. - Economics Concentration

IV. Qualifying Exams
   A. Ph.D. Qualifying Exam
   B. Masters Comprehensive Exam

V. Comprehensive Exams
   A. Written Exams
      1. Concentration Exam
      2. Minor Exam
      3. Grading
   B. Oral Exam

VI. The Dissertation
   A. The Committee
   B. Dissertation Credit Hour Requirements
   C. The Proposal
   D. The Defense
   E. Style and Format

VII. Some Things to Read
   A. Undergraduate and First-year Graduate Texts
   B. Improving Your Writing Skills
   C. General Readings about the Business of Economics

VIII. Our Faculty

The Nature of the Program

A. Objective

The Ph.D. in Business Administration at the Fogelman College of Business and Economics (FCBE) develops the skills necessary for becoming an effective teacher and researcher. The Economics Concentration -- one of the six concentration areas in the Ph.D. program -- is administered by the Economics Department. Its purpose is to prepare students for a successful career as an economist. Through intensive, advanced training in economic theory and quantitative methods, students will learn to conduct independent research and prepare for a challenging career in academics, business, government, or nonprofit administration.

B. The Economics Area

Our faculty is engaged in applied and theoretical research. The current research interests of our faculty include development economics, health care economics, international economics, industrial organization, labor economics, macroeconomics, and the economics of education. They have published in, and serve as referees and editors for a variety of prestigious scholarly and professional journals.

We mentor students throughout the program (see Section I.C. below) and advisors provide guidance as students develop their program of study and dissertations. We require the active participation of graduate students in workshops and seminars, and encourage students to submit their research to professional journals. Ph. D. (and MA) students are expected to enroll in Research Practicum and in Independent Reading courses for multiple semesters. They are expected to present some sort of research paper (e.g., a vague research idea, some joint work with a fellow graduate student or a faculty, … ) based on these courses, formally or informally, at the department’s research seminar series at least once per semester, beginning the 2nd semester during the 2nd year in the program. These seminars provide practical insights into how teaching and research are actually conducted. Ph.D. students are required to teach at least one undergraduate class before graduating and must take the Teaching Practicum to refine their teaching skills.

We have modern computer facilities an excellent library and access to online resources and data for empirical research. We also have close professional ties with the College's Bureau of Business and Economic Research/Center for Manpower Studies and the Robert Wang Center for International Business.

C. Mentoring

A faculty mentor is assigned to each student. The faculty mentor's responsibility is to provide professional advice and guidance. The student will also form a dissertation committee, and the dissertation advisor may or may not be the original faculty mentor.

D. Awards and Scholarships

Each year, our students are eligible for a variety of awards.

1. The Barbara Tuckman Scholarship recognizes merit in the graduate study of economics. It provides a one-time monetary award. Student must have completed at least 3 semesters of full-time coursework in the economics graduate program at the University of Memphis. Selection criteria could include GPA, ‘on-track’
Ph.D. - Economics Concentration

progress towards degree completion, research presentations, and successful teaching. The award may be shared.

2. The Outstanding Graduate Student Award is given each year to the graduate (MA or Ph.D.) student with the highest GPA. Student must have completed at least 3 semesters of full-time coursework in the economics graduate program at the University of Memphis. The award may be shared.

3. The College grants the Graduate Assistant Meritorious Teaching Award to two outstanding teaching assistants for their skill in transmitting knowledge in the classroom.

We also have an active chapter of Omicron Delta Epsilon, the national economic honor society. If not a member already, all graduate students are encouraged to apply for membership.

4. Additional sources of scholarships, fellowship awards, and other financial support for graduate education are at http://www.memphis.edu/gradschool/ga_awards_fellowships/gainfo.php and at http://www.memphis.edu/gradschool/ga_awards_fellowships/currentawards.php

E. How Long Does It Take?
For full-time students the program may be finished in four or five years: two to three years to complete the course work, and -- depending upon progress after the comprehensive exams -- another one to two years to complete a dissertation.

The College requires students to defend their dissertation within ten years after taking the first Ph.D. (8000 level) course. The department generally does not provide assistantships beyond the fourth year.

II. Admissions and Prerequisites

A. Eligibility for the Ph.D. Program
A Masters Degree is not required for admission to the Ph.D. program, but if a Master's Degree in Economics has been completed, some prerequisite classes may not be required, and on a case by case basis some classes may count toward the Ph.D..

B. Funding
Assistantships are available and are awarded on a competitive basis. Every applicant for full-time study is automatically considered for an assistantship when he or she is accepted.

1. Types of Assistantships
Ph.D. assistantships may be in research or teaching. They provide an invaluable opportunity for students to observe and practice the skills they will use professionally.

2. Responsibilities and Remuneration
An assistantship requires the recipient to work a maximum of twenty hours per week. Each assistantship provides tuition remission and a stipend.
Ph.D. - Economics Concentration

3. Duration
Conditional on annual performance evaluation conducted by Department Chair and/or Ph.D. Coordinator, 9-month assistantships are provided annually for four years. This is in addition to the academic requirements. Generally, the Department will not continue Ph.D. assistantships beyond the fourth year. However, there may be opportunities for outstanding students to teach as instructors after the fourth year.

C. Admission Evaluation Criteria
The Department Graduate Programs Committee evaluates each applicant on the following criteria:
1. Undergraduate and graduate Grade Point Average (GPA)
2. Score on the Graduate Management Admission Test (GMAT) or the Graduate Record Examination (GRE).\(^1\) In considering a student for admission, the Department and the College does not look at GMAT scores in isolation, but does consider them in conjunction with other relevant information about an applicant’s potential.
3. Two letters of reference.
4. A “personal statement,” explaining why the applicant wants to pursue graduate studies in economics with us at this time.
5. The applicant’s resume.
6. Transcripts from all institutions of higher learning attended attesting to the courses taken and/or degrees earned, and verifying their successful completion.

D. Prerequisites
The following courses must be successfully completed before enrolling in doctoral classes:

1. Undergraduate Prerequisites
   a. Intermediate-level, undergraduate courses in microeconomics and macroeconomics, comparable to UM's (University of Memphis's) ECON 3310, Inter. Micro. and ECON 3320, Inter. Macro. or ECON 7300 Micro and Macro, and Econ 4810 or Econ 6810, Quantitative Economic Analysis. *A solid understanding of basic micro and macro is essential to success in graduate school.*
   b. At least one undergraduate course in calculus, one undergraduate course in linear algebra, and at least two undergraduate courses in statistics, comparable to UM's sequence of ISDS 2710 and 3711 (or ISDS 7020). *Regardless of undergraduate major, students should be aware that mathematics -- at least at the level of calculus -- has become part of the language and methodology of economics.*

2. Special Prerequisites for International Students
   International students may be required to participate in the Intensive English for International Students (ISI) or English for International Teaching Assistants (EITA) programs available at the University of Memphis. UM’s Graduate School admission requirements for international students are online at http://www.memphis.edu/gradschool/gradpr.php

\(^1\)To convert GRE scores (quantitative + verbal) into GMAT scores, we use the formula \(\text{GRE} = \text{GMAT} \times 2 + 50\) as an approximation. See Maddala, *Econometrics* (1988), pp. 49-50. Since the traditional scoring of GMAT recently changed, an applicant’s percentile in the new and old systems may correlate better than the numerical scores.
III. **Course Requirements**

**A. Total Credit Hours**
A total of at least 72 credit hours of classes, beyond an earned Baccalaureate degree, allocated between three types of classes, must be completed. Each group of classes is described below. A student entering the Ph.D. program with the Baccalaureate degree can, upon successful completion of MA work, apply for graduation to receive the MA Economics degree. (All of the MA courses, passed with a B- or better grade, are automatically credited towards the Ph.D. degree.) The Graduate School requires a Ph.D. student opting to receive the MA degree along the way to simultaneously file for ‘continuance’ in the Ph.D. degree program.

<table>
<thead>
<tr>
<th>Category</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theory and History of Thought</td>
<td>18 hours</td>
</tr>
<tr>
<td>Research Core</td>
<td>12 hours</td>
</tr>
<tr>
<td>Field and Directed Electives</td>
<td>24 hours</td>
</tr>
<tr>
<td>Dissertation</td>
<td>18 hours</td>
</tr>
<tr>
<td>Total</td>
<td>72 hours</td>
</tr>
</tbody>
</table>

**B. The Research Core (12 Hours)**
Ph.D. students are required to take a set of classes designed to provide basic research skills. For Ph.D. students in the concentrations of Accounting, Economics, and Finance, the research core consists of the following sequence of classes:
1. ECON 8120: Advanced Quantitative Economic Analysis
2. ECON 7125/8125: Applied Statistical Methods for Business & Economics
3. ECON 8810: Econometrics I
4. ECON 8811: Econometrics II or ECON 8812: Econometrics III

**C. The Concentration (42 Hours)**
Concentration courses are economics courses in theory, a field of specialization and directed electives.

1. **Theory and History of Thought (18 Hours)** These courses provide the advanced theory that will be utilized in the field courses:
   a. ECON 7300: Economic Theory
   b. ECON 8310: Advanced Microeconomics I
   c. ECON 8320: Advanced Macroeconomics I
   d. ECON 8311: Advanced Microeconomics II
   e. ECON 8321: Advanced Macroeconomics II
   f. ECON 8330: History of Economic Thought or a suitable substitute approved by Ph.D. Advisor

2. **Field of Specialization (6 Hours)**
Ph.D. - Economics Concentration

We offer three main fields of specialization: Health Economics, International Economics, and Applied Microeconomics. Each requires two classes. Students are required to have one field of concentration, but they may bundle their elective hours to form a second field of interest.

The fields we currently offer are:

a. Health Economics
   (1) ECON 8711 Applied Health Care Economics
   (2) ECON 8910 Problems in Economics – Advanced Readings in Health Economics ²

b. International Economics
   (1) ECON 8175: International Trade Theory and Policy
   (2) ECON 8176: International Monetary Theory and Policy

c. Applied Microeconomics
   Two of the following four courses:
   (1) ECON 8130: Industrial Organization
   (2) ECON 8210: Labor Economics
   (3) ECON 8312: Economic Behavior and Organizations
   (4) ECON 8313: Economics of Risk and Uncertainty

3. Directed Electives in Economics (18 hours)
   Students must take eighteen hours of electives in addition to the economics field. The courses should complement the student’s choice of field and may include independent studies courses and courses from other departments in a plan of study approved by the Ph.D. coordinator or advisor.

D. Dissertation Hours (18 hours)
   After completing all course work and passing the comprehensive exam students must complete a dissertation. Students must be continuously enrolled until the time of graduation for at least 18 credit hours.

E. A Schedule of Classes by Semester and a Program of Study

To facilitate planning, Table 1 summarizes when classes will be provided each year. This is tentative, and the department cannot guarantee that all classes will be offered as scheduled.

Table 2 provides an individual schedule of classes that may be used as a guide. Students should fill it out, with the assistance of the Ph.D. coordinator, before enrolling in the program. A copy of the approved program of study must be on file with the College Coordinator of the Ph.D. Program by the end of the first year. Note: If a student has a graduate assistantship, it may be revoked if the program of study is not on file with the College in a timely manner. The Program of Study Form and all other forms required for

² Only sections of ECON 8910 covering health economics readings by a faculty in health economics will be accepted for the concentration in health economics.
scheduling exams, dissertation proposal and defense may be found at [https://umdrive.memphis.edu/g-fcbe/phase/www/currentstudent.html](https://umdrive.memphis.edu/g-fcbe/phase/www/currentstudent.html). It is the responsibility of the student to properly submit all forms at the appropriate times.

### Table 1

**The Cycle of Classes**

**Fall of the First Year**

- ECON 7300: Economic Theory and Decisions
- ECON 8120: Advanced Quantitative Economic Analysis
- ECON 7125/8125: Applied Business and Economics Statistics, or equivalent
- ECON 8330: History of Economic Thought
- ECON 8900 Research Practicum

**Spring of the First Year**

- ECON 8310: Advanced Microeconomics I
- ECON 8320: Advanced Macroeconomics I
- ECON 8810: Econometrics I
- Field or elective course
- ECON 8901 Teaching Practicum or ECON 8900 Research Practicum

**Fall of the Second Year**

- ECON 8311: Advanced Microeconomics II
- ECON 8321: Advanced Macroeconomics II
- ECON 8811: Econometrics II and/or Econometrics III

**Spring of the Second Year**

- Field or elective courses
- ECON 8901 Teaching Practicum or ECON 8900 Research Practicum

**Fall and Spring of the Third Year and Fourth Year**

- Field or elective course
- ECON 8900 Research Practicum
- BA 9000 Dissertation hours

Note that students may also enroll in BA 8800: Reading for Comprehensives as necessary.
Table 2

**Tentative Program of Study for __________________________**

<table>
<thead>
<tr>
<th>Courses</th>
<th>Semester/Year</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>I. Prerequisites</strong></td>
<td></td>
</tr>
<tr>
<td>1. ECON 4810 or 6810: Quantitative Economic Analysis, or equiv.</td>
<td></td>
</tr>
<tr>
<td>2. ECON 3310 Inter Micro, or equiv.</td>
<td></td>
</tr>
<tr>
<td>3. ECON 3320 Inter Macro, or equiv.</td>
<td></td>
</tr>
<tr>
<td>4. ISDS 2710/3711 or ISDS 7020 or equiv</td>
<td></td>
</tr>
<tr>
<td><strong>II. Research Core</strong></td>
<td></td>
</tr>
<tr>
<td>1. ECON 8120: Advanced Quantitative Economic Analysis</td>
<td></td>
</tr>
<tr>
<td>2. ECON 8125: Bus. &amp; Econ Research, or equiv.</td>
<td></td>
</tr>
<tr>
<td>3. ECON 8810: Econometrics I</td>
<td></td>
</tr>
<tr>
<td>4. ECON 8811: Econometrics II</td>
<td></td>
</tr>
<tr>
<td><strong>III. Theory and History</strong></td>
<td></td>
</tr>
<tr>
<td>1. ECON 7300: Economic Theory and Decisions</td>
<td></td>
</tr>
<tr>
<td>2. ECON 8310: Advanced Microeconomics</td>
<td></td>
</tr>
<tr>
<td>3. ECON 8320: Advanced Macroeconomics</td>
<td></td>
</tr>
<tr>
<td>4. ECON 8311: Advanced Microeconomics II</td>
<td></td>
</tr>
<tr>
<td>5. ECON 8321: Advanced Macroeconomics II</td>
<td></td>
</tr>
<tr>
<td>6. ECON 8330: History of Economic Thought</td>
<td></td>
</tr>
<tr>
<td><strong>IV. Field and Electives</strong></td>
<td></td>
</tr>
<tr>
<td>1. Field course 1</td>
<td></td>
</tr>
<tr>
<td>2. Field course 2</td>
<td></td>
</tr>
<tr>
<td>3. Elective course 1</td>
<td></td>
</tr>
<tr>
<td>4. Elective course 2</td>
<td></td>
</tr>
<tr>
<td>5. Elective course 3</td>
<td></td>
</tr>
<tr>
<td>6. Elective course 4</td>
<td></td>
</tr>
<tr>
<td>7. Elective course 5</td>
<td></td>
</tr>
<tr>
<td>8. Elective course 6</td>
<td></td>
</tr>
</tbody>
</table>

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This is only a “scratch sheet” to facilitate planning. When the official program of study is submitted to the College at the end of the first year, the appropriate College form must be submitted (online and can be revised on an ongoing basis). The actual form must be (electronically) signed by the Department’s Ph.D. Coordinator and The FCBE Ph.D. Coordinator (through the College Ph.D. Admissions and Retention Coordinator, FAB 426, (901) 678-5250). Also note that all of the courses here are listed at the 8000 level. Masters students may take many of these courses at the 7000 level and count them toward the PhD.
IV. Comprehensive Exam

The comprehensive exam consists of three parts. First there is a written exam at the end of the first year. This is the Ph.D. Qualifying Exam. This exam may also serve as the Masters comprehensive exam if passed at the appropriate level. (Refer to p. 14 of this Guide.) Second, the student must present a significant workshop paper in the department research seminar no later than the end of the fall semester of the third year. This presentation is the field exam. To maintain progress in the program the student should identify a faculty mentor to serve as an adviser for the field paper by the end of the second year and inform the Ph.D. Coordinator of the selection of the mentor. This mentor may also serve, but not necessarily, as adviser for the oral examination paper and dissertation adviser. And third, there is an oral examination based upon a second oral presentation during the third year, as soon as the student completes all required coursework. The workshop paper presented in the department seminar and the paper which serves as the basis of the oral exam are examination papers and are not to be co-authored work. Figure 1 presents a time line depicting the approximate times of the exams and dissertation proposal and defense. All components of the comprehensive exam must be completed by the end of the third year for the student to be considered making normal progress toward completion of the degree. Assistantship funding is contingent upon making normal progress toward completion of the degree.

A. Ph.D. Qualifying Exam

Upon completion of the first year of coursework students must sit for the qualifying exam. The exam is administered by the College each year. The exam covers first year coursework, Econ 7/8310, Microeconomics; Econ 7/8320, Macroeconomics; and Econ 7/8810, Econometrics, in particular. Part time students may take each section of the exam as soon as they complete the appropriate coursework. The grading of the exam is as described in section V, 3a and b below. The results of the examinations are conveyed from the Chair of the department’s Graduate Programs Committee to the Dean’s Office. When the student has completed all sections of the examination the Dean’s Office conveys the results to the Graduate School. The rules for the examination described here are based upon, and consistent with, those in the College Ph.D. Handbook.

It must be emphasized that questions on the examination are not restricted to what is covered in particular courses. The exam is designed to test the student’s overall knowledge and ability to integrate material and concepts across courses. Normally the exam is offered the week after final exams of the spring semester. The examination committee consists of at least three faculty members and the Ph.D. Coordinator of the Department will serve as the committee chair and is responsible for forming the committee. Each committee member will prepare questions. Each question submitted for consideration must also have an answer or outline of the answer submitted with it for consideration by the committee.

After the examination is administered the Chair of the committee will distribute copies of the completed exams, each student being identified only by a number to ensure anonymity, along with a key to the committees’ members for grading. Each member of the committee will grade all questions on that committee’s exam. The grading process is described in detail in section 3 below.
Ph.D. - Economics Concentration

B. Grading Ph.D. Exams in the Economics Department

1. Each examination committee member grades every question. Every question has the same weight. A numerical score of 1 to 10 is assigned to each question as follows:

<table>
<thead>
<tr>
<th>Numerical Score</th>
<th>Level of Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-10</td>
<td>Excellent</td>
</tr>
<tr>
<td>8</td>
<td>Very Good</td>
</tr>
<tr>
<td>7</td>
<td>Pass</td>
</tr>
<tr>
<td>6</td>
<td>Fail</td>
</tr>
</tbody>
</table>

2. The student’s score for each question is the arithmetic average of all numerical scores submitted by graders. The total score for the exam is the sum of the scores of the questions answered by the student. The maximum possible score is 10 times the number of questions. The percentage score for the exam is the ratio of the student’s total score to the maximum possible score times 100.

3. If the exam percentage score is greater than or equal to 90 percent, the student receives an overall grade of Excellent. If the percentage score is greater than or equal to 80 percent, the student receives a grade of Very Good. If the percentage score is greater than or equal to 70 percent, the student receives a grade of Pass. If the percentage score is less than 70 percent the grade is fail.
4. If the student fails a written exam (or any part of the written exam) he/she may take that exam (or part) one additional time. When the student passes all written exams, the oral component of the comprehensive exam will be scheduled (see below). If the student has failed one or more of the written exams twice the student may request an oral exam to demonstrate competency in those areas. In this case the outcome of the oral exam is either: 1) fail, and the student has failed the comprehensive exam and is dismissed from the program, or 2) permission to retake the written exam (or part of the written exam) that he/she failed one, and only one, additional time. If the student then passes that written exam the student then will schedule the oral exam for one and only one additional time. If the student fails that written exam (or part) the student has failed the comprehensive exam and is dismissed from the program.

C. Masters Comprehensive Exam

This exam may also be considered for the Masters Comprehensive Exam. In such a case a score of 80 percent and above is Excellent, a score of 70 per cent and above is very good, a score of 60 per cent and above is good, 50 per cent and above is pass, and below 50 per cent the grade is fail. (These grading categories apply only if this exam is considered the Masters Comprehensive Exam). An MA Economics student passing the Masters comprehensive exam in Micro or Macro with a score of less than 7.00 (out of possible 10) and who later gains entry into the Ph.D. program must retake it and earn the required minimum score of 7.00 (required minimum passing score for the Ph.D. qualifying exams in Micro, Macro, and Econometrics). If an MA student plans to enter the Ph.D. degree program he/she may elect to take the written Econometrics qualifying exam with the MA Comprehensive Exam but must pass it with a grade of at least 7 in order to count towards passing the Ph.D. qualifying exam.

D. Workshop Paper Presentation

No later than the end of the fall semester of the third year the student must present a significant paper including a literature review and preliminary research in a work-shop setting in the Department’s Research seminar. To facilitate this paper the student should identify a faculty mentor, and inform the Ph.D. Coordinator of the mentor, by the end of the second year of the program to serve as an adviser for this paper. This mentor may or may continue as the Ph. D. adviser. The paper may be based upon coursework, may be a topic of interest not to be considered again, or a preliminary idea for the dissertation. The paper should be submitted to the appropriate examination committee at least two weeks in advance of the date of the presentation. The paper and the presentation will be graded by an examination committee chaired by the Ph.D. Coordinator. Grading will be the same as for the written exams above. After this presentation is made successfully the student may prepare for the oral defense component of the comprehensive exam.

E. Oral Exam

During or following the semester in which the last required courses are completed, the oral examination must be taken. This should be no later than the second semester of the third year. The examination committee for the oral exam consists of all members of the written exams. In addition, any member of the graduate faculty may attend the examination, but they do not participate in the
grading. Each member of the oral examination committee should assign a numerical score to the total oral examination (on the same basis as the scoring for individual questions of the written examination discussed above) and the average score of all examiners will be the score of the oral exam. The examination is based upon the presentation of a written research paper (e.g., either a more complete version of the workshop paper or a new precursor to the dissertation proposal). The paper that serves as the basis of the presentation should be submitted to the appropriate examination committee at least two weeks in advance of the date of the presentation. Questions to the student may extend to tentative ideas for a dissertation, and to how the material in course work might contribute to this research.

When the student passes the written qualifying exam, the field/workshop paper presentation and the oral exam he/she has passed the comprehensive exam. All components of the comprehensive exams should be completed by the end of the third year so that the fourth year of the program may be devoted completely to the dissertation.

V. The Dissertation (18 hours)

After completing the course work and comprehensive exams, a Dissertation must be written. According to the Graduate Bulletin of the University, the Dissertation "... requires major research of an original and creative nature and must meet the requirements of the Graduate School. The Dissertation is the capstone of the Ph.D. program and must be a significant contribution to the study of Business Administration."

A. The Committee
It is advisable to be thinking about a dissertation topic and working with the major advisor well before finishing the exams. With the help of the advisor each student will select the members of the dissertation committee -- at least four members of the graduate faculty, with at most two coming from outside the Department. A dissertation committee must be formed within one semester of passing the oral comprehensive exam.

B. Dissertation Credit Hours
As soon as a dissertation committee is formed the student must enroll in dissertation hours. The dissertation Chair is the instructor of record and is responsible for monitoring progress on the dissertation. Once enrolled in dissertation credit hours, the student must remain enrolled continuously for dissertation hours until finished, even during the summer sessions. In other words, the student must sign up for at least 1 dissertation credit hour per semester (summer, spring, and fall). A minimum of 18 dissertation credit hours are required.

C. The Dissertation Proposal
When an idea for a dissertation has been developed, and the committee has tentatively approved it, the proposal must be presented to the graduate faculty at a Dissertation Proposal Workshop. It is expected
that the proposal workshop take place within one semester of passing the oral exam. Upon determination by
the adviser, the student should provide the dissertation proposal to the members of the dissertation
committee at least two weeks in advance of the date of the proposal defense. (This is a strict rule.) In light of
comments from the faculty, the committee will decide whether or not to accept the proposal, and may
recommend some modifications.

D. The Dissertation Defense

After the dissertation is written and approved by the dissertation committee, the student will present
it to, and be examined by, the dissertation committee. This will occur at a Dissertation Defense Workshop.
The student should provide the draft of the dissertation to the members of the dissertation committee at least
four weeks before the date of the dissertation defense. If the performance on the examination is satisfactory
as judged by the committee, then the student will have completed all requirements for the degree.

E. Style and Format

For guidance on the style and format of the dissertation, see The Tennessee Conference of Graduate
Schools (TCGS) Guide to the Preparation of Theses and Dissertations. This is available at the University
Book Store. It provides detailed information about the TCGS requirements for a Dissertation. These are
also reflected in the requirements of the Fogelman College. These style requirements must be followed
without exception. Effective fall 2010, the Graduate School and Economics department require electronic
submission of the final approved dissertation. Caution that, ‘only the final approved copy containing both
committee and Graduate School corrections will be accepted for submission to the Electronic Theses and
Dissertations (ETD) system.’ (See, http://www.memphis.edu/gradschool/tdinfo.php)

VI. Some Things to Read

A. Some Good Undergraduate and First-Year Graduate Texts

Massachusetts: Addison-Wesley.

Olivier Blanchard and Stanley Fischer. 1989. Lectures on Macroeconomics. Cambridge,
Massachusetts: MIT Press.

Cambridge.

W.W. Norton.


Ph.D. - Economics Concentration

B. Improving Your Writing Skills


C. General Readings About the Business of Economics


Ph.D. - Economics Concentration


VIII. Our Faculty

A. FULL PROFESSORS

- **Cyril F. Chang: Ph.D., University of Virginia (1979)**
  Health Economics, Nonprofit Economics, Executive MBA Economics
  Select Publications
  Chang CF and Troyer JL. “The Impact of TennCare on Hospital Efficiency,” *Health Care Management Science* 12(3), 2009: 201-216

- **Kwok-Kwan Fung: Ph.D., Harvard University (1970)**
  General Economics
  Select Publications
  Fung KK, Online textbook – *Living Economics*.
Ph.D. - Economics Concentration

- **John Gnuschke: Ph.D., University of Missouri (1975)**
  Labor Economics, Economic Development

  **Select Publications**


- **Michael J. Gootzeit: Ph.D., Purdue University (1966)**
  Monetary Theory, Macroeconomics, History of Economic Thought

  **Select Publications**


- **Julia A. Heath: Ph.D., University of South Carolina (1986)**
  Labor Economics, Women's Labor Supply, Feminist and Institutional Economics, Economics of the Family, Economics of Education

  **Select Publications**


Ph.D. - Economics Concentration

• David M. Kemme: Ph.D., Ohio State University (1980)
  International Economics, Comparative Economic Systems, Economics of Transition
  
  **Select Publications**

• Albert A. Okunade: Ph.D., University of Arkansas (1986)
  
  **Select Publications**

• William T. Smith: Ph.D., University of Virginia (1987)
  
  **Select Publications**
Ph.D. - Economics Concentration

- Rose M. Rubin: Ph.D., Kansas State University, (1968)
  Health Economics, Economics of Aging
  **Select Publications**

B. ASSOCIATE PROFESSORS

- Pinaki Bose: Ph.D., State University of New York, Buffalo (1990)
  Public Economics, Industrial Organization, Game Theory
  **Select Publications**

C. ASSISTANT PROFESSORS

  Labor Economics, Health Economics, Economics of Education
  **Select Publications**
Ph.D. - Economics Concentration

- Oleksandr Nikolsko-Rzhevskyy: Ph.D., University of Houston (2009)
  Monetary Policy, Time Series Econometrics/Forecasting, International Economics

  Select Publications

D. INSTRUCTORS

  Public Finance, Urban and Regional Economics

  Select Publications

- Edward C. Hoang: Ph.D., University of Houston (2009)
  Macroeconomics, Consumer Behavior, Applied Econometrics

- Sanjeev Kumar, Ph.D., Southern Methodist University (2010)
  Applied Economic Theory, Applied Econometrics

Ph.D. - Economics Concentration