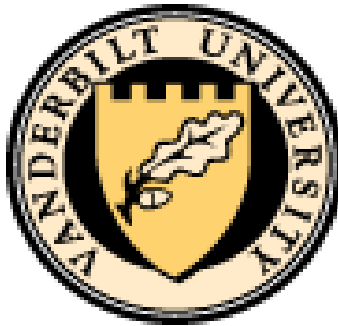


GRADUATE PROGRAM IN ECONOMIC DEVELOPMENT
VANDERBILT UNIVERSITY

SPRING 2005



Professor James E. Foster, Director
Mouzon Siddiqi, Program Coordinator
Marie Kelley, Secretary

IMPORTANT INFORMATION

CHECKING IN

As soon as possible after arriving on campus go to the office of International Student and Scholar Services (ISSS) between the hours of 8:00 a.m. and 4:30 p.m. Monday-Thursday and 8:00 a.m. and 4:00 p.m. on Friday. ISSS is located above the Student Health Center in F-4214 Zerfoss. Please use the entrance which faces the Stevenson Center.

You need to pick up your orientation packet and complete necessary forms to be able to register.

ORIENTATION

Vanderbilt University International Student Orientation for the Spring Semester 2005 will be on Monday, January 10th at 1 p.m. – 3:30p.m. in Sarratt Student Center, Room 112.

Graduate Program in Economic Development Orientation for new students is at 10:00 a.m. on Tuesday, January 11th in Room 423 Calhoun Hall.

REGISTRATION

Registration will take place on Tuesday, January 11th in Room 422 Calhoun Hall right after the GPED Orientation. Time: 10:00 a.m. We will meet with each of you individually to arrange your class schedule at this time. Please make an appointment to register on the sign-up sheet on our front door for Tuesday, January 11th. James Foster, Marie Kelley and Mouzon Siddiqi will help you register.

VANDERBILT UNIVERSITY ID CARDS

Student ID Cards for the Spring 2005 Semester will be made in Vanderbilt Card Office located in Sarratt Student Center, Room 184, Monday through Friday from 8:30 a.m. to 4:00 p.m. Spouse ID cards can be made for wives/husbands of full-time students at the same time as above. Proof of marriage, the student's current ID, and a fee of \$10.00 are required. Student must accompany spouse.

IMPORTANT TELEPHONE NUMBERS:

James Foster	Office: 322-2192, Home: 309-8262
Mouzon Siddiqi	Office: 322-2832, Home: 262-5074 Cell: 202-8730
Marie Kelley	Office: 322-2486, Home: 356-7096
Department of Economics	322-2871
International Student and Scholar Services	322-2753

Dear Incoming Student:

Welcome to the Graduate Program in Economic Development!
We hope that your time here is an exciting period of learning for you. Our objective over this next year or eighteen months is to give you the tools to do applied economic analysis and policy evaluation useful in your countries. To that end we have developed a program, which is described in the enclosed handout.

That program consists of a set of core courses in economic theory and statistics, supported by a wider selection of courses specifically designed to analyze policy issues that arise in developing countries. Beyond these courses, there is a wider menu of general courses in the broad areas of economics that you can choose to deepen your knowledge in those areas of particular interest to you.

Each of you will meet with me to plan your course of study here at Vanderbilt. The enclosed handout tells you the requirements of the program and gives you some suggestions of other courses that you should keep in mind as you make your academic plans. Go over this before our meeting, at which time we will fill out your schedule, talk over any other problems and questions you might have. We run an "open door" office policy, so you should feel free to come to us with any further questions.

I look forward to getting to know each of you, and wish you the best of luck in your academic studies here.

Sincerely,

James E. Foster
Director
Graduate Program
in Economic Development

JEF/mk

On Being an Economist

"The study of economics does not seem to require any specialized gifts of an unusually high order. Is it not, intellectually regarded, a very easy subject compared with the higher branches of philosophy and pure science? Yet good, or even competent, economists are the rarest of birds. An easy subject, at which very few excel! The paradox finds its explanation, perhaps, in that the master-economist must possess a rare combination of gifts. He must reach a high standard in several different directions and must combine talents not often found together. He must be mathematician, historian, statesman, philosopher—in some degree. He must understand symbols and speak in words. He must contemplate the particular in terms of the general, and touch abstract and concrete in the same flight of thought. He must study the present in the light of the past for the purpose of the future. No part of man's nature or his institutions must lie entirely outside his regard. He must be purposeful and disinterested in a simultaneous mood; as aloof and incorruptible as an artist, yet sometimes as near the earth as a politician..."¹

But, if the economist reaches this high standard, then:

"... the ideas of economists and political philosophers, both when they are right and when they are wrong, are more powerful than is commonly understood. Indeed the world is ruled by little else. Practical men, who believe themselves to be quite exempt from any intellectual influences, are usually the slaves of some defunct economist. Madmen in authority, who hear voices in the air, are distilling their frenzy from some academic scribbler of a few years back. I am sure the power of vested interests is vastly exaggerated compared with the gradual encroachment of ideas. Not, indeed, immediately, but after a certain interval; for in the field of economic and political philosophy there are not many who are influenced by new theories after they are twenty-five or thirty years of age, so that the ideas which civil servants and politicians and even agitators apply to current events are not likely to be the newest. But, soon or late, it is ideas, not vested interests, which are..."²

¹ John Maynard Keynes, "Alfred Marshall, 1842-1924," Vol. XXXIV, No. 135 (September, 1924), pp. 321-322; reprinted in A.C. Pigou (ed.), *Memorials of Alfred Marshall* (London: Macmillan, 1925), p.12.

² John Maynard Keynes, *The General Theory of Employment, Interest and Money* (London: Macmillan and Co., 1936), pp.383-384.

PROGRAM

This is the forty-seventh year of the Graduate Program in Economic Development at Vanderbilt University. The Graduate Program in Economic Development offers a wide array of courses in several major areas of emphasis including Finance and Banking, International Development, Poverty and Inequality, and Development of Institutions. In addition, numerous electives offered by the Department of Economics and other graduate departments in the University, as well as a pre-Doctorate Program in Economics, are available to students in the Graduate Program in Economic Development. The Program is part of the Department of Economics.

Requirements

The requirements for the Master of Arts degree in the Graduate Program in Economic Development are as follows:

1. Core Courses. Participants must pass the following four "core" courses or their equivalent:

Economics 301 Microeconomic Theory
Economics 302 Macroeconomic Theory
Economics 306 Statistical Analysis
Economics 308 Econometrics

2. Electives. Participants must pass four additional courses carrying graduate credit.

3. Thesis. Participants must pass two research seminar courses (Economics 355A and 355B) by writing an acceptable thesis.

4. Grades. Participants must achieve a grade point average of 3.0 (B) or better in coursework completed at Vanderbilt.

The Graduate Program in Economic Development also offers a non-thesis Certificate in Economic Development for the successful completion of requirements of 1 and 2 above.

Elective Course of Study

The Program offers great flexibility in selecting electives to fit the goals of the individual participant. There are basically three types of courses available. First, there are courses targeted exclusively to GPED students:

Economics 358A Policy Issues: Development Economics (Macro)
Economics 358B Policy Issues: Development Economics (Micro)

Second, there are courses (numbered 250 through 299) offered jointly to graduate and upper level undergraduate students. Third, there are courses offered by other departments (such as Sociology) and schools (such as the Owen Graduate School of Management or the Engineering School) which are pertinent to the interests of our students. Note, though, that courses in the latter two categories may be oversubscribed in a given term, and consequently students may have to be flexible in the choice and timing of these courses.

The available courses naturally group themselves into the following four areas of emphasis:

1. Finance and Banking

Economics 259	Financial Instruments and Markets
Economics 264	Open Economy Macroeconomics
Financial Economics 261	Investment Analysis
Financial Economics 275	Financial Management
Management 411	Financial Accounting
Management 431	Securities and Portfolios
Management 433A	International Financial Markets and Instruments
Management 436	Financial Institutions

2. International Development

Economics 263	International Trade
Economics 269A	Selected Topics: Transition Economies
Economics 288	Development Economics
Economics 358A	Policy Issues: Development Economics (Macro)
Economics 358B	Policy Issues: Development Economics (Micro)
Sociology 277	Contemporary Latin America
East Asian Studies 278	Comparative Asian Development

3. Poverty and Inequality

Economics 288	Development Economics
Economics 267	Economics of Poverty and Discrimination

4. Development of Institutions

Economics 266	Problems in United States Economic History
Economics 269A	Selected Topics (e.g. Transition Economies, Macroeconomics, etc.)
Economics 287	European Economic Integration

There are many other electives that are presented from a traditional developed economy perspective, but have relevance for developing and newly developed economies:

5. Other Electives

Economics 252	Antitrust Economics
Economics 251	Wages, Employment and Labor Markets
Economics 254	Public Finance
Economics 262	History of Economic Thought
Economics 268	Health Economics
Economics 269B	Selected Topics (e.g. Macroeconomics, Monetary Policy, etc.)
Economics 273	Game Theory Economic Applications
Economics 274	Industrial Organization
Economics 279	Urban Economics
Economics 280	Seminar in Sports Economics
Mgmt of Technology 310	Theory and Practice of Managing Technology
Mgmt of Technology 311	Theory and Practice of Managing Technological Change
Mgmt of Technology 322	Quality Management

Finally, several students each year are interested in pursuing a Ph.D. degree in economics at some later date. The Graduate Program in Economic Development allows participants to replace core requirements by their corresponding Ph.D. courses, or to take Ph.D. courses as electives in order to get a sense of what Ph.D. study entails. Success in one or two Ph.D. level courses can offer great benefits when applying to Ph.D. programs.

Pre-Doctorate Program

Economics 300	Selected Topics in Mathematics for Economists
Economics 304A	Microeconomic Theory I
Economics 304B	Microeconomic Theory II
Economics 304C	Microeconomic Theory III
Economics 305A	Macroeconomic Theory I
Economics 305B	Macroeconomic Theory II
Economics 305C	Macroeconomic Theory III
Economics 307	Statistical Analysis
Economics 309	Econometrics

Field Trips

There are two field trips organized each year for the benefit of students in the Graduate Program in Economic Development. These field trips are an integral part of the curriculum and attendance is mandatory. Students must receive permission from the director to be absent. Travel is by charter bus, and students may take their spouses if space is available on the bus.

The first field trip (during spring vacation) features the role of the various economic development agencies located in the Washington area. Seminars are arranged with the World Bank, the International Monetary Fund, and the Federal Reserve Board. Time is provided to secure research materials from these agencies and for students to visit their Embassies.

The second trip is designed to acquaint participants with the process of economic development in the southeastern United States and with the institutional arrangements that have emerged over time. Only recently has this region emerged from an agriculturally-oriented state of development into one of diversified industry and agriculture. In particular, students observe community development agencies, agricultural research and extension and the general impact of recent industrialization on farm labor and farming operations, the pattern of land tenure and land use, the degree of mechanization, and the adoption of new techniques, with coverage ranging from small family farms to large plantations in the Mississippi Delta. Finally, a visit to the major commercial center of New Orleans provides opportunity to observe their port operations.

THE HONOR SYSTEM

We call your special attention to the Vanderbilt Honor Code by your registration as a graduate student, you are subject to the Honor Code of the Graduate School and to the jurisdiction of the Graduate Student Honor Council, which administers the Honor System. A complete discussion of the Honor System appears in the Student Handbook, which is included in your orientation packet. It is your responsibility to become thoroughly familiar with the principles of the Honor System and with the procedures which you must follow in order to avoid committing an Honor Code violation.

A brief listing of the principal acts constituting violations follows but you should read the Student Handbook for a fuller understanding.

1. Cheating on an examination, home assignment, problem, or any other means of testing. Cheating includes the use of unauthorized aids (such as crib sheets, discarded computer programs, the aid of another person on a take-home exam, etc.); copying from another student's work; soliciting, giving, and/or receiving unauthorized aid orally or in writing; or similar action contrary to the principles of academic honesty.
2. Plagiarism (whether intentional or unintentional) on an assigned paper, thesis, or dissertation. Plagiarism is defined as incorporating into one's own work the work of another without properly indicating that source. Students should realize that an act of plagiarism may include some degree of premeditation or may be the result of carelessness or ignorance of acceptable forms for citation; the act is plagiarism in any case and is a violation of the Honor Code (See The Honor Code Applied to Preparation of Papers in the Handbook for advice concerning use of appropriate footnotes.)
3. Failure to report others known or suspected to have violated the Code.
4. Any action designed to deceive a member of the faculty, a staff member, or a fellow student regarding principles contained in the Honor Code, such as securing an answer to a problem for one course from a faculty member in another course when such assistance has not been authorized.
5. Submission of papers prepared by others as one's own work including the use of texts or papers prepared by commercial or noncommercial agents and submitted as a student's own work.
6. Submission of work prepared for another course without specific prior authorization of the instructors in both courses.
7. Falsifying research results.

Violations of the Honor Code are taken seriously and penalties may range from a reduction in course grade to expulsion from the University.

For more information on the Vanderbilt Honor System go to:

http://www.vanderbilt.edu/student_handbook/Honor_System.htm

TUITION AND FEES

Tuition in the Graduate School for the 2003/04 academic year is charged at the rate of \$1,155 per credit hour.

Fees are as follows:

- \$40 - Application fee (waived for online applicants)
- \$320 - Activities and recreation fee
- \$1,228 - Medical insurance
- \$1100 - Special fee for students in Economic Development Program
- \$30 - One time transcript fee (beginning Fall 2003)

Most of you will receive checks every month from your sponsor giving you per diem allowance in advance. Your tuition and fees are usually paid directly to the University by your sponsor.

Books may be purchased individually at the Bookstore in Rand Hall. If your sponsor requires receipts for book purchases, please be sure to submit receipts on official bookstore forms, signed by a Bookstore official.

Checks may be cashed at the Cashier's office located on the second floor of the Bookstore. You must present your ID card to cash checks.

HEALTH INSURANCE

All Vanderbilt students are required to have accident/sickness insurance coverage.

One of the following options is mandatory:

- Family or parent's policy
- Individual, private, or group policy
- Policy offered by Vanderbilt through the Koster Insurance Agency, Inc.

The third option is a policy offered by the Koster Insurance Agency, Inc. and is sponsored by the University.

A student who does not wish to subscribe to the student injury/sickness insurance plan offered through the University must notify Koster Insurance through their online waiver process of coverage acceptable to the University under another policy. Waiver of the student insurance plan does not affect eligibility for services at the Student Health Center. New and returning students must complete the online waiver process each academic year. The insurance charge will not be waived if the online process is not completed by August 19 for the fall semester, and January 7 for the spring semester. Online waivers will be available June 16.

Vanderbilt University policy concerning health insurance requires that all international students and their dependents residing in the United States must be covered by the

Vanderbilt Student Health Insurance policy unless adequate comparable coverage is otherwise provided.

The cost of health insurance is as follows:

	Annual Policy 8/12/03- 8/12/04	Spring Semester 1/1/04-8/12/04	May Mester 5/1/04-8/12/04	Summer Term 6/1/04-8/12/04
Student	\$1228.00	\$767.00	\$352.00	\$246.00
Spouse	\$1570.00	\$980.00	\$451.00	\$315.00
Child(ren)	\$983.00	\$614.00	\$282.00	\$197.00

*Dependent coverage is billed by the insurance company and not charged to the student's account.

For questions about:

- Enrollment forms
- Waiver process
- On-campus health services
- Referrals

Please contact:

Vanderbilt University
International Student and Scholar Services
VU Station B #351568
Nashville, TN 37235-1568

Phone: (615) 322-2753
Fax: (615) 343-7799
E-mail: isss@vanderbilt.edu

For general coverage questions and claims questions please contact:

Koster Insurance Agency, Inc.
1515 Hancock Street
Quincy, MA 02169

Phone: (617) 770-9889
Toll-free: 1-800-457-5599
Fax: (617) 479-0860
Email: studentcare@kosterins.com
Web: www.kosterins.com

Student Health Center
Vanderbilt University
Zerfoss Building MCN
Nashville, TN 37232

Phone: (615) 343-4688
Web: www.vanderbilt.edu/student_health/

For billing questions, please contact:

Pam Canady
Phone: (615) 322-4092
Toll Free: 1-800-288-1144
Fax: (615) 343-8511
E-mail: pamela.j.canady@vanderbilt.edu

MAIL BOXES IN THE GPED STUDENT LOUNGE

Each student in the Graduate Program in Economic Development has a box in the Student Lounge (Calhoun Hall, Room 422). These boxes are made available for special notices, announcements, telephone calls and important information that needs to be conveyed to you quickly. It is often impossible to reach you by telephone at your residence. Many of your classes are held in Calhoun so this is an ideal place for you to receive information immediately. Please check your box daily.

There is a U.S. Post Office Sub-Station in Rand Hall, Ground Floor which is open during the academic year Monday through Friday from 8:00 a.m. to 4:00 p.m. The package and pickup window is also open on Saturday from 10:00 a.m. until 12 Noon. Phone: 322-2934. Another post office is Station 17, located in the basement of the south wing of Medical Center North. Hours: 8:30 a.m. to 4:00 p.m., Monday-Friday. Phone: 322-2290. Stamps and postage can be purchased, and letters and packages can be mailed from these two locations. There is also a branch in the Hill Center on the Peabody Campus, which is open **from 9:00 until 3:00 during the week and 9:00 until 12 Noon on Saturday**. You may procure a mailbox at the Hill Center at Peabody at the cost of **\$15** per year.

JEAN AND ALEXANDER HEARD LIBRARY

During the academic year the Central Library hours are as follows:

Sunday	11:00 a.m.-12:00 Midnight
Monday-Thursday	7:30 a.m.-12:00 Midnight
Friday	7:30 a.m. - 10:00 p.m.
Saturday	9:00 a.m.-10:00 p.m.

The Jean and Alexander Heard Library has open stacks for the convenience of all students enrolled in the University.

The Jean and Alexander Heard Library contains more than 2 million volumes. The Library is located in the General Library Building. It receives most all publications of the U.S. Government, the United Nations, the U.N. Regional Economic Commissions and various specialized agencies. Approximately 6,000 periodicals are currently catalogued. The building is air-conditioned and provides individual study desks for graduate students. The Jean and Alexander Heard Library is one of about 100 Libraries in the nation and Canada with membership in the Association of Research Libraries. It is connected with the On-Line-Computer Library Center that expands a researcher's capability to locate specific titles in other libraries throughout the nation and these may be obtained on Inter-Library loan.

A tour of the library is planned during orientation for international students.

MEDICAL SERVICES

The Vanderbilt University Student Health Center (VUSHC) is housed on third (street level) of the Zerfoss Building, connected to the back of Medical Center North. Services are provided to all regular students currently enrolled at Vanderbilt University. A currently validated ID card must be presented in order to obtain service. This is the place you should go whenever you need any kind of medical attention.

This Center is a student-oriented facility that provides medical care for chronic and acute conditions. The following general health services are provided without charge: Visits to staff physicians and psychologists, routine treatments, dressing and suturing, confidential testing to detect common communicable diseases, educational information and speakers for campus groups.

Students are billed for any services provided by the Medical Center; many services, however, may be covered by the student health insurance policy. The Health Service is open:

Regular school session

Monday through Friday - 8:00 a.m.- 4:30 p.m.

Saturday - 8:30 a.m.-12:00 noon

Summer

Monday through Friday - 8:00 a.m.- 4:30 p.m.

Closed Saturdays

Scheduled Breaks

Monday through Friday - 8:00 a.m.- 12:00 noon

Closed Saturdays

Students are requested to call for appointments when possible, but "walk-ins" are helped on a first-come first-served basis. When Student Health is closed, students may receive medical care at the emergency room of Vanderbilt Hospital. Students will be charged for Emergency Room services, but a part of this cost may be covered under the student insurance plan. A twenty-four hour emergency consultation service is also available (except during summer and scheduled academic breaks) by calling 322-2427.

SARRATT STUDENT CENTER

The Sarratt Student Center is the hub of life on Vanderbilt's campus. Sarratt is a place to hang out, catch a quick bite, browse at art exhibits, or watch a movie. Many student organizations are housed in Sarratt, and students can reserve free meeting space throughout the building. The building is accessible 24 hours a day, 7 days a week for students through VUcard access. Otherwise, the Welcome Desk is open from 8 a.m. - midnight each day. The Ticketmaster Outlet is open from 10 a.m. - 8 p.m. each day. Administrative offices are open 8 a.m. - 5 p.m. Monday through Friday. During semester breaks and holidays, the building hours are 7 a.m. - 5 p.m. Monday through Friday. Sarratt is closed on weekends during breaks and holidays.

Media Room

Catch up on the latest news -- both on television and from your friends -- in the Sarratt Media Room. Armchairs provide comfy seating, or you can gather a group around the tables.

Stonehenge Cafe is just steps away, offering sandwiches made-to-order with your choice of meats, cheeses, and toppings.

Game Room

Relax over a game of pool or foosball in Sarratt's Game Room. This room adjoins the Overcup Oak restaurant and overlooks the second-floor Sarratt promenade.

Another fun activity near the Game Room is Sarratt Live, which brings free, live entertainment to the Overcup Oak. Guests range from comedians, musicians, and even performers from our own campus for open mic nights. Special events include a jazz night, a Lip Sync contest, Fright Fest, and Casino Night. Previous guests include comedians Mark Reedy and Mike Rayburn, musicians Jen Cohen, Angie Aparo, and John Mayer.

Art Studio Classes

Welcome to the Sarratt Art Studios, located in the Sarratt Student Center. The studios are open to all Vanderbilt students, staff, faculty, alumni, and members of the Nashville community. Centrally located in the Sarratt Student Center, the Sarratt Studio Art Program offers a variety of non-credit classes and opportunities to use the facilities during open studio hours.

Dance Group

Vanderbilt Dance Program provides a program of dance classes in all areas and levels of expertise: Ballet, Tap, Jazz, Funk, Modern, Irish, Bharatanatyam (classical dance of India), Ballroom, Swing and Latin plus Yoga and T'ai Chi. Some forty-five classes are scheduled each week and are held in the Vanderbilt Dance Program studios in Memorial Gym. The classes, taught by professional dancers and teachers, are open to Vanderbilt students and community dancers 14 years of age and older.

Sarratt Cinema

Call the Cinema Hotline at 343-6666 to get the latest movie schedule. Ticket sales begin 30 minutes prior to screening time. All concessions are \$1.00.

Sarratt Concerts

The Vanderbilt Programming Board sponsors a variety of music events -- see the VPB website for more information.

A season of events includes chamber music, new music, jazz, theater, performance art and all forms of dance--ballet, jazz, tap, ethnic and modern. Established artists and groups that regularly perform in the world's major cities and venues are presented, as well as emerging artists who may be less well known.

Most events are held at Langford Auditorium. Tickets to individual events go on sale approximately one month before each event and are available at Sarratt Box Office, through Ticketmaster at (615) 255-9600 or at www.ticketmaster.com.

Sarratt Gallery

Sarratt Gallery is located in the main lobby of the Sarratt Student Center. Gallery Hours are 9 a.m. to 9 p.m., Monday through Friday, and 10 a.m. to 10 p.m., Saturday and Sunday.

During the summer months, as well as holiday and semester breaks, the gallery closes at 4:30 p.m. each weekday and is closed on weekends. For additional information, call 322-2471. All events are open to the public free of charge.

STUDENT RECREATION CENTER

The Vanderbilt University Student Recreation Center is a state of the art facility opened in 1990. It includes indoor facilities, outdoor facilities, and facility services and provides seven exciting program areas that include Intramurals, Outdoor Recreation, Wellness/Fitness, Sport Clubs, Aquatics, Youth Programs and Camps, Classes and Clinics. Membership is available to students, faculty, staff, alumni, affiliates and families.

Indoor Facilities

- 2 Classrooms
- Conference room
- 8,000 square foot Fitness Center
- 36 meter x 25 yard multipurpose pool
- 1 Multipurpose activity room
- 1 Strength and aerobic conditioning room
- 3 Basketball/volleyball courts
- 6 Raquetball courts
- 2 Squash courts
- Indoor elevated track (9.2 laps/mile)
- 25 ft. Climbing wall
- Lounge with big screen TV and pool tables
- Ping pong tables

Facility Services

- Locker and towel rental
- Time Out Cafe
- Wellness Resource Center
- Equipment checkout and rental
- Outdoor equipment rental

Outdoor

- Sand volleyball courts
- Basketball court
- Multipurpose fields
- Patios and courtyards

Fitness Center

The 8,000 square foot fitness center is a state of the art facility. If you are interested in cardiovascular exercise, there are elliptical machines, treadmills, rowing ergometers, and stationary bikes from which to choose. If resistance exercise is what you are after, you will find a diverse collection of free weights and selectorized machines.

Contact:

Welcome Center: 343-6627

Aerobics Info: 322-PLAY

Pool Info: 343-6627

Equipment Services: 343-8181

Outdoor Recreation: 343-8182

Wellness Resource Center: 343-6073

Emergency Contact: 479-2614

MEALS

Students may wish to take their meals at one of the five dining halls on campus--the Divinity Refectory, Branscomb Quadrangle, Cumberland Room (located in the Hill Student Center on the Peabody campus) and Rand Hall Dining Room. There are many public restaurants in the Vanderbilt area.

LAUNDRY AND DRY CLEANING

Laundry and dry cleaning are among the incidental expenses which you are expected to bear from the subsistence funds provided by your scholarship. The following establishments are within easy walking distance of the University: Village Cleaners, 2010 Acklen Avenue (Hillsboro Village); Heritage Cleaners, 1929 Broadway.

There is a self-service coin-operated laundry at Hillsboro Road and Blair. Dry-cleaning normally requires three to four days, although 24-hour service is available by special request.

LOCAL BUS SERVICE

Bus service is operated by the Metropolitan Transit Authority. Should you wish to go to places in downtown Nashville or to the shopping centers you may take any bus stopping on the campus side of West End Avenue, or on 21st Avenue across from the Vanderbilt University Library; the cost is \$1.45 per ride. You may transfer for an additional ten cents.

To return to the University from downtown take any of the following buses: West End, Long Boulevard, or Belle Meade Local (do not take the Express); get off at 21st, 24th, or West End Avenues. If you take Hillsboro-Hobbs, you may get off at the Vanderbilt Library.

Bus Schedules are available in the post office in Rand Hall.

SHOPPING INFORMATION

Hillsboro Village is located within walking distance of the campus where you will find various shopping facilities. It is located approximately four blocks from the campus, south on 21st Avenue, South. There is also a theatre (Belcourt) located on Belcourt Avenue, one block south of Wedgewood.

Green Hills Mall is a suburban shopping center located out 21st Avenue (or Hillsboro Road) and may be reached by bus. You may board a Green Hills: Hobbs Road, Green Hills: Harding Place, or Green Hills: Castleman Drive bus near the front of the Jean and Alexander Heard Library (you will see a bus shelter). This center has two large department stores, several specialty shops, a pharmacy and a Kroger Supermarket nearby.

Belle Meade Plaza is a suburban shopping center located out West End Avenue. You may board a Belle Meade: Lynwood or Belle Meade: White Bridge Road bus which takes you directly there. This center has a pharmacy, several specialty shops, a cafeteria, shoe store and a Kroger Supermarket.

Lion's Head is a shopping center with a large Target discount store, various specialty shops, movies and restaurants. You may board a West End: White Bridge Road bus at the corner of 21st and West End.

For more information, call the Metropolitan Transit Authority at 862-5950.

BANKING SERVICES

If you wish to open a bank account, you will find branches of several large Nashville banks within convenient walking distance of the campus. They are as follows:

AmSouth Bank
1604 21st Avenue, South
or
31st Avenue and West End Avenue

SunTrust Bank
1715 West End Avenue
or
1605 21st Avenue, South

Bank of America
2121 Blakemore Avenue
or
17th Avenue, North and Church Street

NOTE: Please be very careful to keep your personal checks in your possession or otherwise in a safe place at all times.

MOTOR VEHICLE REQUIREMENTS

The laws of Tennessee as well as of all states require all operators of motor vehicles to have an operator's permit. An international driver's permit is not valid in Tennessee; you must have a Tennessee license.

If you wish to operate a motor vehicle you should apply for a permit with the Tennessee Department of Safety, 1603 Murfreesboro Road (it is near the airport), 6604 Centennial Boulevard, or 624 Hart Lane. Upon application for a permit, you will be given a written examination on laws and safety rules of Tennessee, and eye examination, and performance test in driving. You must take your passport and valid I-94 Form with you. Also take your Social Security Number or Student ID card with you.

It is imperative to study the manual entitled "Driving Manual" which may be procured free of charge from the Department of Safety, Andrew Jackson State Office Building, Nashville (Phone: 741-3954) or from the Murfreesboro Road, Centennial Boulevard, or Hart Lane stations listed above. This manual contains information required to operate an automobile safely as well as a statement of requirements to pass the examination.

If a student wishes to purchase an automobile, he must:

- 1) obtain a certificate of title;
- 2) register the certificate of title at the Office of the County Court Clerk in the Court House or the Metro Howard Office Building, which is located at 700 Second Avenue, South;
- 3) obtain license plates for the vehicle;
- 4) satisfy the Tennessee laws of financial responsibility.

The automobile dealer who sells you a car will be helpful in executing these requirements. However, it is the responsibility of the owner of the vehicle to see that all requirements are met.

Students must have at least Liability car insurance. Driving without a valid license and without Liability insurance is a severe violation of the law. Moreover, it is essential to report any accident however small to the Police Department before leaving the scene of the accident. It is essential for you to pay attention to the above information.

CAMPUS PARKING FACILITIES

If you wish to park your motor vehicle in campus parking areas, you must register your motor vehicle with the Vanderbilt Police and Security office located at 2043 Scarritt Place (in the Wesley Parking Garage next to CVS Pharmacy), and obtain a campus sticker which permits parking in specifically designated areas. The cost of the automobile sticker is \$192.00.

CHURCH SERVICES

There are mostly Christians in Nashville. However, the churches will be happy to have anyone attend their services regardless of their religion. *Benton Chapel* is located in the Vanderbilt Divinity School. Benton Chapel has Catholic Mass on Sunday at 11:00 a.m., 8:00 p.m., and 10:00 p.m.

St. Augustine's Chapel is located at 200 24th Avenue, South, also on campus. Schedule of Services: Sundays 9:00 a.m. Eucharist, 10:00 a.m. Sunday School, 11:00 a.m. Eucharist; Wednesdays, 5:30 p.m. Eucharist; Thursdays 6:00 p.m. Canterbury Roman Catholic students are also invited to attend the Cathedral of the Incarnation located on West End Avenue, two blocks east of the campus. Mass Schedule: Sunday 11:00am, 8:00pm, 10:00pm (Benton Chapel); Tuesday 8:00pm (All Faith Chapel)

Belmont Heights Baptist Church, 2100 Belmont Blvd., has Korean and Chinese congregations with services at 9:30 and 11:00 a.m.

Belmont United Methodist Church, 2007 Acklen Avenue, offers English as a Second Language on Tuesday and Thursday between 9:00 and 11:00 a.m. and Monday and Wednesday, 7:00 to 9:00 p.m. Their regular worship services are held at 8:15 and 10:30 a.m. on Sunday. A multi-cultural Fellowship Group meets the 2nd Sunday of each month for lunch after the 10:30 service. Everyone is welcome. Many Vanderbilt people attend.

Grace Mission Baptist Church, 2100 Woodmont Blvd. Phone: 662-4472.

Han Bit Korean Baptist Church, 3701 Park Ave. Phone: 269-4088, Rev. Yang Chun Kim. Their regular worship services are held at 11:00 A.M.

Korean Presbyterian Church, 3201 Hillsboro Road. Phone: 383-3380.

Nashville Korean Methodist Church, 1943 Dabbs Avenue. Phone: 367-9101.

Islamic Center of Nashville: Friday prayers are held in the Mosque at 2515 12th Avenue, South, at 1:00 p.m. For further information regarding activities on campus, you may contact the Office of International Services at 322-2753.

For additional information concerning Islamic activities, Halal meat, etc., please contact the Islamic Center of Nashville or the President of the Muslim Student's Association.

Ganesha Temple: Main Services every Sunday 11:00 a.m. to 12:30 p.m. and weekdays, Wednesday evening 7:00 to 7:30 p.m., located, 521 Old Hickory Boulevard. Phone: 356-7207 or 356-4182.

For further information on Buddhist or Jewish Services check with the GPED Office or the Office of International Services.

Appendix A

FACULTY OF THE DEPARTMENT OF ECONOMICS AND BUSINESS ADMINISTRATION (Academic Year 2003-04)

Professors:

ATAK, Jeremy, Ph.D. (Indiana).
Fields: Economic History, Money & Banking.
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DAMON, William, Ph.D. (Cornell).
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EDEN, Benjamin, Ph.D. (Chicago).
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FAN, Yanqin, Ph.D. (Western Ontario).
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FOSTER, James, Ph.D. (Cornell).

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HUTCHINSON, William

Fields: Macroeconomics, Money & Banking

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Appendix B

Graduate Catalog: Economics

222. Latin American Economic Development. Recent economic growth and structural change of Latin American economies. The general issues of development economics will be explored, such as the mobilization of savings and capital formation, import-substituting industrialization, inflation, agricultural reform, regional and national economic integration, population growth and migration, and balance-of-payments problems. No credit for graduate students in economics. FALL or SPRING. [3]

231. Intermediate Microeconomic Theory. Development of the techniques of analysis for problems of resource allocation. Theories of choice and production for individual economic agents in competitive and monopolistic environments. Behavior of markets. Determination of prices, wages, interest, rent, and profit. Income distribution. No credit for graduate students in economics. Prerequisite: one semester of calculus. FALL, SPRING. [3] Staff.

232. Intermediate Macroeconomic Theory. National income accounting and analysis. Classical, Keynesian, and contemporary models determining national income, employment, liquidity, price level, and economic growth. No credit for graduate students in economics. Prerequisite: one semester of calculus. FALL, SPRING. [3] Staff.

251. Wages, Employment, and Labor Markets. Theories of wages and employment, dual labor markets, internal labor markets, and labor's share of national income. Empirical studies of labor mobility, the effects of unions on relative wages and resource allocation, occupational and industrial wage differentials, and selected labor markets. Prerequisite: 150, Statistics, and 231, or consent of instructor. FALL or SPRING. [3] Anderson.

252. Antitrust Economics. The purposes and effects of antitrust laws in the United States. Economic theory applied to the problems of preserving and enhancing competition. Evaluation of incentives created by judicial precedents in terms of efficiency and performance. Prerequisite: 231. FALL, SPRING. [3] Siegfried.

253. Introduction to Econometrics. Quantitative methods of economic analysis. Measurement, specification, estimation, and interpretation of economic models, introduction to econometric computation using microcomputers. No credit for graduate students in economics. Prerequisites: 231 and either 150 or Math 218 and 218L. FALL, SPRING. [3] Staff.

254. Public Finance. Theories of the state and collective decisions, fiscal federalism, public goods and externalities. Tax theory: equity, efficiency, and growth. Taxation of goods, factors, and corporations. Cost-benefit analysis.

Prerequisite: 231 or equivalent. FALL, SPRING. [3] Conley, Getz.

259. Financial Instruments and Markets. Theoretical and empirical approaches to the analysis of monetary and other financial instruments. Portfolio analysis, interest rate risk, and financial futures and options markets. Prerequisite: 231, 232. FALL, SPRING. [3] Rousseau.

FinEc261. Investment Analysis. Investment principles and practices. Emphasis on security analysis to develop techniques and standards of investment appraisal. Principles of portfolio analysis. The forecasting problem in meeting portfolio needs of individuals and institutions. Special studies to develop capacity for investigating and reporting. Prerequisite: 150 and 240. FALL, SPRING. [3] McNamee.

262. History of Economic Thought. The evolution of economic ideas from the ancient Greeks to the contemporary world with attention to the seminal thoughts of Adam Smith, David Ricardo, J. S. Mill, Alfred Marshall, and J. M. Keynes. Prerequisite: 231. FALL. [3] Maneschi.

263. International Trade. International trade in goods and services. Patterns of trade; gains and losses from trade, tariffs, and other commercial policies; economic integration; and international factor movements. Prerequisite: 231. FALL, SPRING. [3] Collins, Driskill.

264. Open Economy Macroeconomics. Economics of international monetary, financial, and macroeconomic relationships. Effects of monetary and fiscal policies in open economics, balance of payments, exchange rate determination, and international monetary institutions. Prerequisite: 232. FALL, SPRING. [3] Crucini, Driskill.

266. Problems in United States Economic History. (Also listed as History 292) Controversies in historical analysis. Prerequisite: Economics 231. Students who wish to study U.S. economic history but do not meet this prerequisite should consider History 290. SPRING. [3] Atack, Collins, Hutchinson, Margo.

267. Economics of Poverty and Discrimination. Develops methodologies used to measure the effectiveness of governmental programs aimed at reducing poverty and discrimination, and uses these methodologies to examine the equity and efficiency of current programs. Topics include social security, food stamps, and equal employment opportunity legislation. Prerequisite: 231 or consent of instructor. FALL. [3] Margo.

268. Economics of Health. An examination of some of the economic aspects of the production, distribution, and organization of health care services, such as measuring output, structure of markets, demand for services, supply of services, pricing of services, cost of care, financing mechanisms, and their impact on the relevant markets. Prerequisite: 231. FALL, SPRING. [3] So.

269a–269b. Selected Topics in Economics. Topics of special interest, as

announced in the Schedule of Courses. [Variable credit: 1–3 each semester]

270. Economics of Sports. Application of economic principles to professional and collegiate team sports. Theory of sports leagues, demand for sports, the market for athletes, racial discrimination, broadcasting rights, antitrust issues. No credit for both 270 and 280. Prerequisite: 150 and 231. SUMMER. [3] Siegfried.

271. Economic History of Europe. The stages of development of capitalism and modern industry in Europe since the decline of feudalism. The interrelation of government policy, financial institutions, scientific discovery, and the spirit of individualism. Prerequisite: 231. SPRING. [3] (Not currently offered)

273. Game Theory with Economic Applications. Rational decision-making in non-cooperative, multi-person games. Single play and repeated games with complete and incomplete information. Economic applications of games, such as auctions, labor-management bargaining, pricing and output decisions in oligopoly, and common property resources. Prerequisite: 231. SPRING. [3] Wen, J. Weymark.

274. Industrial Organization. The structure of contemporary industry and the forces that have shaped it, including manufacturing, trade, and transportation. The role of the large corporation in modern industrial organization. The relation of industrial structure to economic behavior and performance. Prerequisite: 231. FALL, SPRING. [3] Reinganum.

FinEc 275. Financial Management. (Formerly Business Administration 275) Analysis of cases representing capital budgeting, forecasting cash flow, risk assessment, capital structure, mergers and acquisitions. Seminar. Prerequisite: 240. FALL, SPRING. [3] Damon.

277. Economic Development and the Environment. The influence of economic development on the environment with special attention to developing countries. Measurement of economic growth. Sustainability of natural resources. Discussion of trade, pollution, forestry and ecotourism, population change, agriculture, and land tenure. SPRING. [3] Russell.

278. The Technical Basis for Environmental Policy. (Also listed as Civil Engineering 278 and Management of Technology 278). The engineering and economic foundations of environmental policy formation, mathematical computer modeling of the environment, and economic valuation of environmental quality. Treatment and site clean-up processes, fundamental equations of environmental engineering, the notion of market failure, and economics of monitoring and enforcement. SPRING. [3] Russell, Parker (Civil and Environmental Engineering) (Not currently offered)

279. Urban Economics. Urban growth, the development of suburbs, the location of firms, housing markets, transportation, property taxes, and local government services. Prerequisite: 231. FALL. [3] Getz.

280. Seminar in Sports Economics. Economic theory of sports leagues: competitive balance, player labor markets and owner capital markets. Theories of league expansion, rival leagues, franchise relocation, and sports venues. Research paper. No credit given for both 280 and 270. Preference given to senior majors. Prerequisite: 231. FALL, SPRING. [3] Vrooman.

282. Education and Economic Development. The influence of education on economic growth and development in developing countries. Theory and measurement of economic growth and human capital. Distributional and efficiency effects of human capital policies. Influence of international organizations on human capital development. Education and social cohesion. Prerequisite: 231 and 150 or consent of instructor. SPRING. [3] Anderson, Heyneman.

283. Economics of the Environment. Economic theory and analytic tools involved in selected environmental problems: air and water quality and hazardous waste management. Prerequisite: 231. FALL. [3] Russell.

284. Economics of Regulation. The purposes and effects of government regulation. Analysis of natural monopoly, externalities, public goods, and information deficiencies. Case studies usually include electricity, natural gas, airlines, trucking, health and safety, communications, and the environment. Prerequisite: 231. FALL. [3] Staff.

285. Law and Economics. Analysis of the influence of legal rules and institutions on the behavior of individuals and on economic efficiency and equity. Applications from civil procedure, contract, tort, and criminal law. Prerequisite: 231. FALL, SPRING. [3] Daughety.

286. Economics of Human Resources. Human capital theory: economic effect of population trends, fertility, and migration. Additional topics chosen from education, household economics, health, nutrition, demand for children and child care, sex and race discrimination, crime, investment in research and development, the economic value of life and time. Prerequisite: 231 or 233 and 201, Statistics, or consent of instructor. FALL, SPRING. [3] Jiang.

287. European Economic Integration. Policy issues concerning economic integration in Europe, including trade, migration, income distribution, environmental quality, macroeconomic policy, and monetary union. Analysis of European Community institutions. Prerequisite: 231; corequisite: 232. FALL. [3] Hughes Hallett.

288. Development Economics. Economic change in pre-industrial and newly industrial countries. Why do some countries remain poor while others grow? Emerging capital and labor markets, the role of international trade in economic growth. Market failures and the role of government. Prerequisite: 231. FALL, SPRING. [3] Staff.

300. Selected Topics in Mathematics for Economists. Selected mathematical

topics used in the analysis of static and dynamic models. Prerequisite: one year of calculus (Math 171a–171b, Analytic Geometry and Calculus, or equivalent). FALL. [3] Wen.

301. Microeconomic Theory (M.A. Level). The price system in consumer demand and as a mechanism for organizing production, allocating resources, and distributing the national income. FALL. [3] Staff.

302. Macroeconomic Theory (M.A. Level). National income accounting. Theories of income, employment and price determination. Growth and planning models. Monetary theory. SPRING. [3] Maneschi.

304a. Microeconomic Theory I. Analysis of resource allocation and relative prices. Behavior of individual economic units and markets. Topics include models of technology, cost and profit and the firm; consumer preferences, constraints and choice; expected utility theory and risk aversion; partial equilibrium under competition and monopoly; partial equilibrium welfare and surplus. FALL. [3] Daughety.

304b. Microeconomic Theory II. Noncooperative game theory, information economics, public goods and an introduction to general equilibrium models. Topics include Nash equilibrium, sequential rationality, incomplete information; oligopoly; bargaining; adverse selection, signaling and screening; principal-agent models; externalities and public goods; introductory general equilibrium and welfare analysis. SPRING. [3] Schwartz.

304c. Microeconomic Theory III. General equilibrium, social choice and welfare. General equilibrium, existence, stability and uniqueness results; fundamental theorems of welfare; core and equilibria; general equilibrium with time and uncertainty; social choice theory and mechanism design; axiomatic bargaining and welfare. No credit for students who have completed former 331. FALL. [3] Wen.

305a. Macroeconomic Theory I. Keynesian and neoclassical models of the economy. Introduction to dynamic models. FALL. [3] Crucini.

305b. Macroeconomic Theory II. Neoclassical and new theories of economic growth Overlapping generations models. SPRING. [3] Huffman.

305c. Macroeconomic Theory III. Theories of consumption, investment, demand and supply of money, the labor market. Monetary and fiscal policy. New Keynesian economics. The role of expectations. No credit for students who have completed former 376. SPRING. [3] Jiang.

306. Statistical Analysis (M.A. Level). Interpretation of statistical materials, the principles of statistical inference, the use of available statistics for problems of economic analysis, and the importance of statistics in economic policy and administration. FALL. [3] Kasman.

307. Statistical Analysis. Statistical methods applicable to quantitative research in economics and business. Distribution theory, statistical inference, and selected multivariate statistical methods. Prerequisite: 201, Statistics, or equivalent. FALL. [3] Fan.

308. Econometrics (M.A. Level). Empirical measurements with applications to basic economic relations. Specification, estimation of microeconomics and macroeconomics models for the purpose of testing hypotheses, forecasting, and evaluating policy. Prerequisite: 306. SPRING. [3] Kasman.

309. Econometrics. Analysis of specification errors in single equation estimation of economic relations and introduction to the estimation and application of simultaneous equation models. Prerequisite: 307 or consent of instructor. SPRING. [3] Mullin.

312a–312b. Health Economics. Conceptual and empirical analysis of demand for health, medical services, and insurance; decisions by physicians and hospitals about price, quantity, and quality of services; technological change; and structure and performance of the pharmaceutical industry. [3–3] (Not currently offered)

316. International Trade Theory. Classical, neoclassical, and contemporary theories of international trade; empirical evidence for them. Commercial policy, tariffs, the terms of trade and income distribution, international factor movements: economic unions. Trade and growth. Trade and welfare. FALL. [3]

317. International Monetary Economics. The balance of payments and the foreign exchange market. Elasticities, absorption, and monetary approaches to the adjustment mechanism. Interest rates and capital flows. Optimal currency areas, internal and external balance. International reserves and liquidity. SPRING. [3]

320a–320b. Seminar in the Organization and Control of Industry. The structure of American industry; the origins and development of industrial concentration; the behavior and performance of oligopolistic and imperfectly competitive markets; the economics of public utilities. Public policy toward industrial structure and conduct, including antitrust policy, limitation of competition, and direct regulation. FALL, SPRING. [3–3] Daughety, Reinganum.

329a–329b. Labor Economics. Static and dynamic models of labor demand and labor supply, and models of human capital development. Applications of the theory to selected topics including: migration, fertility, health, wage determination, education, unionism and industrial relations, employment policies, implicit contracting and layoffs, and discrimination. Examination of methodological problems related to the analysis of labor markets. [3–3] Collins, Mullin.

332a. Theory of Money and Finance I. Analyzes microeconomic foundations and general equilibrium models of money and financial markets. Explores such topics as the theory of payments structure, capital asset pricing, rational expectations, efficient markets, contingent-claims markets, and others. Prerequisite: 259. FALL.

[3] Staff.

332b. Theory of Money and Finance II. Advanced topics in monetary and financial economics spanning theory and applications. Topics include recently developed dynamic theories of money and asset pricing; inflationary dynamics; money, welfare, and growth; money and business cycles; financial development and growth; credit market imperfections and financial crises. SPRING. [3] Staff.

333. Topics in Microeconomics. Advanced theory and applications. May be repeated for credit if there is no duplication of topic. [Variable credit: 1–3] FALL, SPRING.

349a–349b. Reading Course. Designed to permit graduate students to do more intensive study in the area of their special interest than regular course offerings provide. Admission by consent of department chair and supervising professor. [Variable credit: 1–3 each semester]

353. Project Evaluation. Social-benefit cost analysis of investment projects: investment criteria, estimation of benefits and costs, and evaluation of shadow prices and of the social discount rate. The role of national planning. Case studies utilize the experience of developing economies. [3] (Not currently offered)

354a. Public Finance Theory. The social welfare foundations of public finance theory, theories of optimal taxes and public goods treating equity, efficiency, and incentive effects in partial- and general-equilibrium frameworks. Prerequisite: 254 or consent of instructor. [3]

354b. Public Finance Seminar. Special topics in applications of public finance theory, including some or all of the following: theories of fiscal federalism, fiscal politics, fiscal policy, externality and pollution, public pricing, social insurance, public income distribution, public debt, cost-benefit analysis, international aspects of public finance, generalized theory of public policy, and issues in tax-expenditure reform. Prerequisite: 354a or consent of instructor. [3]

355a–355b. Seminar in Research on Economic Development. How to select and define an economic problem, assemble relevant factual and statistical information, and analyze and interpret it. Students will write a research paper. May not be included in the 24 hours required for the M.A. degree. Completion of both semesters with an average grade of B counts in lieu of M.A. thesis. Open only to students in the Economic Development program. 355a FALL, SPRING; 355b SPRING. [3–3] Anderson.

357. International Trade and Economic Development. Selected topics concerning the exchange and transfer of goods and resources between less- and more-developed countries. Possible topics include: the international monetary system, the SDR-aid link, dependence and imperialism, the role of trade in economic growth, foreign exchange strategies, and the structure of protection. Primarily designed for students in the Economic Development program. SPRING. [3]

358a–358b. Policy Issues in Developing Economies. Economic analysis of problems in developing countries. 358a: Macroeconomic issues. Topics include monetary policy, financial repression and capital markets, fiscal policy, structural adjustment, inflation, and management of foreign debt. 358b: Microeconomic issues. Topics include public intervention in factor and commodity markets, migration, labor markets and employment, pricing and efficiency in the public sector, urban development and housing, and choices of technology. 358a, FALL; 358b, SUMMER. [3–3] Mani, Staff.

360. Agriculture and Economic Development. Food supply as a national problem; size and characteristics of population; agricultural technology; industrial-urban development and public policies as means of reducing market imperfections and raising output and incomes in rural areas. Case studies of the southern United States and selected underdeveloped countries. [3] (Not currently offered)

364. Economic Fluctuations and Stabilization Policy. The forces governing inflation, total output, and components of GNP, particularly investment decisions: macroeconomic models; short-term business forecasting; monetary, fiscal, and related stabilization policies. [3] (Not currently offered)

366. The Development of the American Economy. History of the American economy and of the contemporary economic issues. Topics include long-term trends in output and structure, the growth of industry and markets, demographic change, the economics of slavery and its aftermath, the evolution of the labor force, the rise of the modern corporation, the growth of government, business cycles, and the Great Depression. SPRING. [3]

369. Master's Thesis Research. [0–12]

370. Econometric Theory. Identification and estimation of simultaneous equation models. Small sample properties of estimators and Bayesian inference. Model building and testing of economic theory. Prerequisite: 309 or equivalent preparation. FALL. [3] Fan.

371. An Introduction to Economic History. Economic history in terms of measurement and theory. Factors associated with modern economic growth and institutional change in a variety of countries and time periods. Relation between economic history and history of thought. SPRING. [3] Collins, Margo.

373. Time Series Econometrics. Estimation of stationary ARMA models, analysis of nonstationary time series models (unit roots and cointegration), introduction to structural time series models and spectral analysis. Models of time-varying conditional variances and models of regime-switching with applications to topics in macroeconomics and finance. Prerequisite: 309. SPRING. [3] Fan.

374. Nonparametric and Semi-parametric Econometrics. Nonparametric and semi-parametric methods for the estimation and inference in econometric models.

Methods include kernel, neural network, orthogonal series, and wavelets. Models include nonparametric models, the partially linear model, index models, and additive models. Prerequisite: 370 or equivalent. SPRING. [3] Fan.

377. Topics in Macroeconomics. Advanced theory and applications. May be repeated for credit once if there is no duplication of topic. SPRING. [Variable credit: 1–3] Wang.

379. Seminar in Urban Economics. Readings of current research in urban economics. Individual student research projects on topics in locational economics and urban public finance. Prerequisite: 279. Graduate students may audit 229, Urban Economics, simultaneously. [3] (Not currently offered)

383. Advanced Economics of Natural Resources and the Environment. Detailed analysis of the theoretical and empirical aspects of resource and environmental economics; modeling and empirical analysis of environmental externalities; theory of public investment as applied to natural environments; modeling and empirical analysis of renewable and nonrenewable natural resources. [3] Russell. (Not currently offered)

388. Economic Development: Macroeconomic Aspects. Examines recent work on patterns and sources of growth, models of development, trade strategies, models of structural inflation, and theories of distribution and growth. It will also cover selected topics such as the role of financial markets and multinational corporations in the development process. Prerequisite: 288 or equivalent. [3]

389. Economic Development: Microeconomic Aspects. Analyzes market performance and determinants of growth in developing countries. Topics covered include rural and urban labor markets and their migration-induced linkages, population growth and human capital formation, the choice of technique and determinants of innovation in agriculture and industry, land tenure arrangements and their effect on agricultural output, and planning and simulation models as tools for forecasting and analyzing historical growth patterns. Prerequisite: 300. [3]

398. Workshop on Economics. Research seminar to aid advanced students in the selection of thesis topics and presentation of research papers. Topics covered depend on interests of students and faculty. FALL, SPRING. [3–3] Driskill, J. Weymark.

399. Ph.D. Dissertation Research.

3995. Half-time Ph.D. Dissertation Research. For students who have completed 72 hours and devote a half-time effort to dissertation research. [0]

