Course Title:
Urban and Regional Analysis

Course Number:
RCPL 5173-101

Course Description:
This course surveys the principal methods and models of applied quantitative analysis of development issues. Students will study theories of urban and regional growth, vocabulary, mathematical techniques, and computer-aided analysis. Topics covered in the course include data collection, trend and time series analysis, population and land use forecasting, and employment development. The material is presented through lectures, examples, and readings. Course principles are reinforced through five problems.

Class Dates, Location and Hours:

Dates: December 1-6, 2012
Location: Bldg. D, Offutt AFB, Nebraska
Hours: Sat-Sun 8:30 a.m.-5:00 p.m.; Mon-Thu 5:00-8:15 p.m.
Last day to enroll or drop without penalty: November 2, 2012

Site Director:
Molly Cowgill. Phone: 402-291-8879 or 402-294-0649; DSN 271-0649; Fax: 402-291-5402; E-mail: apoffutt@ou.edu

Professor Contact Information:
Course Professor: Richard S. Marshment, Ph.D.
Mailing Address: 1222 Greenbriar CT
Norman, OK 73072
Telephone Number: (405) 230-0416
Fax Number: (405) 329-1207
E-mail Address: rmarshment@ou.edu
Professor availability: The professor will be available via e-mail to students before and after the class sessions. On-site office hours are half an hour before and after each class session, by appointment.

Textbook(s) and Instructional Materials:
Student materials are available at the Follett/AP Bookstore located in the Oklahoma Memorial Union, 900 Asp Ave., Norman, OK. Orders can be placed online at www.oklahomaunion.bkstr.com or by telephone at 866-369-9713 (toll free in the U.S.) or 405-325-5960 (outside the U.S.). E-mail orders may be sent to oklahomaunion@bkstr.com. Representatives are available from 8 a.m. to 6 p.m. CST Monday through Thursday and 8 a.m. to 5 p.m. CST on Friday. Summer hours: 8 a.m. to 4 p.m. CST. Faxed orders may be placed 24 hours a day to 866-223-5607 (toll free in the U.S.) or 405-325-7140 (outside the U.S.).


2. Materials posted on the OU Desire to Learn (D2L) system: Access D2L at http://learn.ou.edu; enter your OU NetID (4+4) and password, and select course to access material. Please contact your local Site Director if you require assistance.
Note: The Follett/AP Bookstore is the Advanced Programs contractual textbook provider. Should text changes become necessary after publication of the course syllabus, Advanced Programs will facilitate text returns/refunds only for texts purchased through the Follett/AP Bookstore.

Numerical calculations are integral to this course. You will need to bring to each class a calculator capable of basic math and exponential functions. Multiple memory registers will be useful. You must understand how to use the calculator and its memory functions prior to class. Read the instruction manual if you do not already know how to use the calculator. Cell phone calculators are not acceptable.

It is recommended students bring a laptop computers to class. Many of the examples we will study in class are Excel™ spreadsheet solutions. We will graph data.

All cell phones and beeping watches must be turned off during class.

Course Objectives:
At the conclusion of the course students should be able to:

- identify and access the principal sources of socioeconomic data for cities and regions;
- identify and quantify short-range trends in urban development indicators;
- forecast urban and regional population and employment; and
- predict the impacts on jobs and income of changes in the urban and regional economy.

Assignments, Grading and Due Dates:

Students should read the assigned textbook chapters (O’Sullivan, Chapters 1-7) and review the downloaded reading material prior to the first class. Visit as many of the cited web sites as possible. The topic sequence is:

1. Introduction to urban and regional analysis
2. Defining study areas
   a. census geography
   b. political geography
3. Causes of urban and regional growth
4. Identifying and quantifying trends
   a. development indicators
   b. data bases and sources
5. Time series and curve fitting models
6. Population and housing forecasts
   a. cohort-survival forecasting
   b. forecasting demand for housing by type
7. Employment and income analysis
   a. shift and share analysis
   b. economic base multiplier
   c. input-output models
   d. economic impact analysis
8. Land use and development forecasting

Grading: This is a letter-graded course: A, B, C, D, or F.

Your grade will be determined from three components: solutions to the homework problems, performance on the final exam, and class participation. Class participation includes attending class sessions, punctuality, and contribution to class discussions. The final exam will be on Thursday, December 6, 2012, for three hours. It is an open book, open notes exam. Laptop computers may not be used on the final exam.

Students are required to complete five homework problems which can be downloaded from the D2L web site. The problems involve application of course principles to urban and regional analysis topics. We will work through the homework problems in class. Solutions to the homework problems must be completed and sent by U.S. priority mail to the instructor at the address listed on this syllabus, postmarked no later than Monday, December 10, 2012.
<table>
<thead>
<tr>
<th>Assignment</th>
<th>Due Date</th>
<th>Percent of Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Download and review course readings</td>
<td>Prior to class</td>
<td>N/A</td>
</tr>
<tr>
<td>Read textbook assignments</td>
<td>Prior to class</td>
<td>N/A</td>
</tr>
<tr>
<td>Attendance and Participation</td>
<td>During class</td>
<td>10</td>
</tr>
<tr>
<td>Final Exam</td>
<td>Dec. 6, 2012</td>
<td>50</td>
</tr>
<tr>
<td>Homework Problems</td>
<td>Dec. 10, 2012</td>
<td>40</td>
</tr>
</tbody>
</table>

NOTICE: Failure to meet assignment due dates could result in a grade of I (Incomplete) and may adversely impact Tuition Assistance and/or Financial Aid.
POLICIES AND NOTICES

Attendance/Grade Policy

Attendance and participation in interaction, individual assignments, group exercises, simulations, role playing, etc. are valuable aspects of any course because much of the learning comes from discussions in class with other students. It is expected that you attend all classes and be on time except for excused emergencies.

Excused absences are given for professor mandated activities or legally required activities such as emergencies or military assignments. Unavoidable personal emergencies, including (but not limited to) serious illness; delays in getting to class because of accidents, etc.; deaths and funerals, and hazardous road conditions will be excused.

If you are obtaining financial assistance (TA, STAP, FA, VA, Scholarship, etc.) to pay all or part of your tuition cost, you must follow your funding agency/institution’s policy regarding “I” (Incomplete) grades unless the timeline is longer than what the University policy allows then you must adhere to the University policy.

Students who receive Financial Aid must resolve/complete any “I” (Incomplete) grades by the end of the term or he/she may be placed on “financial aid probation.” If the “I” grade is not resolved/completed by the end of the following term, the student’s Financial Aid may be suspended make the student ineligible for further Financial Aid.

Students are responsible for meeting the guidelines of Tuition Assistance and Veterans Assistance. See the education counselor at your local education center for a complete description of your TA or VA requirements.

Academic Honesty

Honesty is a fundamental precept in all academic activities and … [you] have a special obligation to observe the highest standards of honesty. Academic misconduct in any form is inimical to the purposes and functions of the University and is therefore unacceptable and is rigorously proscribed. Academic misconduct includes:

- cheating (using unauthorized materials, information, or study aids in any academic exercise), plagiarism, falsification of records, unauthorized possession of examinations, intimidation, and any and all other actions that may improperly affect the evaluation of a student’s academic performance or achievement; assisting others in any such act; or attempting to engage in such acts.

All acts of academic misconduct will be reported and adjudicated as prescribed by the student code of the University of Oklahoma. All students should review the “Student’s Guide to Academic Integrity” found at http://www.ou.edu/provost/integrity

Accommodation Statement

The College of Continuing Education [Advanced Programs] is committed to making its activities as accessible as possible. For accommodations on the basis of disability, please contact your OU Site Director.

Course Policies

Advanced Programs policy is to order books in paperback if available. Courses, dates, and professors are subject to change. Please check with your OU Site Director. Students should retain a copy of any assignments that are mailed to the professor for the course. Advanced Programs does not provide duplicating services or office supplies.

Copyright

Any and all course materials, syllabus, lessons, lectures, etc. are the property of professor teaching the course and the Board of Regents of the University of Oklahoma and are protected under applicable copyright.

For more information about Advanced Programs, visit our website at: http://www.goou.ou.edu/
INSTRUCTOR VITA

Richard S. Marshment, Ph.D.

Education
- 1968  B.S., Business Administration, Bowling Green State University.
- 1975  M.Arch., Urban Design, University of New Mexico.

Current Positions
- Visiting Professor, Department of City and Regional Planning, Clemson University
- Professor Emeritus, Division of Regional and City Planning, University of Oklahoma.

Frequently Taught Advanced Programs Courses
- RCPL 5173 Urban and Regional Analysis
- PSC 5353 State and Local Public Finance and Budgeting Systems
- PSC 5913 Introduction to Analysis of Political and Administrative Data

Major Areas of Teaching and Research Interest
- Transportation Planning
- Transportation Economics
- Public Finance
- Urban and Regional Analysis

Representative Publications and Presentations
- Long-run elasticity of demand for passenger car travel with respect to toll and gasoline price, "Chinese Overseas Transportation Officials’ Conference on Transportation", Beijing, July 2012.

Representative Honors and Awards Received
- Outstanding Service Award, 1998, Outstanding Teaching Award, 1990, 1994, College of Architecture, University of Oklahoma,
- Fulbright Scholar, 1973, Colombia

Major Professional Affiliations
- Charter member, American Institute of Certified Planners
- Fellow, Institute of Transportation Engineers
- Transportation Research Board
- American Planning Association