C&RP 3100: ANALYZING THE CITY

INTRODUCTION

City and regional planning depends for its methodology on traditional disciplines such as economics, law, political science and psychology. Economics provides the most widely used basis for urban planning, and one that planners will find useful for their planning decisions, whether they concern land use and infrastructure; housing and transportation; urban renewal and historic preservation; income and poverty; or social such as parks and recreation or schools and hospitals.

This course looks at urban problems from an economic and financial point of view. Students will better understand how economic decision making shapes urban areas and some of their problems, and how they may use economic arguments in making decisions on problems addressed by urban planners.

The first part of the class provides an introduction to urban planning issues, the second part focuses on forecasting techniques, and the final part introduces methods of project finance.

The course is introductory. Students specializing in urban economic and financial planning are referred to other courses to follow up.

COURSE OBJECTIVES

Upon completion of the course the student should be able to:

a) Define terms and describe facts related to the urban conditions, issues and problems covered by the course

b) Describe the economic principles involved in explaining these conditions, issues and problems, and

c) Summarize possible solutions used by planners in dealing with them and possible impacts such solutions may have.
C&RP 3100 Analyzing the City
Autumn 2014

TEXT AND READINGS
The course relies on four primary texts. The first three are available at the Closed Reserve Section of the Knowlton Library. The fourth one (authors: Wang and Hofe) is available online.


Please go to this web-page and click “Read this book on SpringerLink”. Then you can download the chapters. Please use the computers on campus while downloading the chapters.

CLASS FORMAT
The class meets twice weekly for lectures, including in-class discussion. Some of the sessions will be devoted to problem solving and discussions. Completed homeworks can become the basis for review in the discussion sessions.

GRADING
The final grade for the course is determined as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homeworks</td>
<td>15%</td>
</tr>
<tr>
<td>Quiz</td>
<td>10%</td>
</tr>
<tr>
<td>Project</td>
<td>20%</td>
</tr>
<tr>
<td>Midterm</td>
<td>27.5%</td>
</tr>
<tr>
<td>Final exam</td>
<td>27.5%</td>
</tr>
</tbody>
</table>

Homeworks are an important part of the course. Please try to really understand the homeworks, as they are given to help you grasp the class material. You may expect similar questions in the exams.

Although I know several of you are aware, and do not need the following comments, I would like to emphasize these before we start the semester:

- You need to turn in the homeworks as ‘hard copy’ unless otherwise stated.
- 10 points will be deducted from your overall grade for each day after the submission day. You cannot submit homeworks after the solutions are posted.
- Your homeworks have to be legible. If your handwriting is not legible, please type your answers.
- I do my best to give you partial credit in the case that you have numerical errors. However, you need to do your best to get the credit. If I am not able to follow your steps, you will not get the credit. There will be no discussion on this.
- You CANNOT give half torn, scratched papers as your homework.
- If you think you will need to erase, DO NOT USE PENS, USE PENCILS. You cannot submit homeworks with scratched parts. Points will be deducted if you do so.
- I will return your homeworks in class, and post your grades on Carmen. You will have one week to contest your grade if you wish to do so.

EXAM DATES
- Quiz September 23rd, during class hours
- Midterm exam October 16th, during class hours
- Final exam December 12th, 10:00am to 11:45am

MAKEUP EXAM POLICY
The dates/times of the quiz, midterm and the final exams are announced in this document. Please note these dates and make the necessary arrangements. **There will be no make-up for the quiz.**

No makeup exam will be given unless there is a medical emergency. You will need to provide proper documentation for these emergencies, and inform the instructor either before or within 48 hours of the exam to get the necessary approval. The report/doctor’s note should clearly indicate that you are in a condition that prevents you from attending school, work and/or taking an exam.

Please note that pre-scheduled doctor’s appointments (for instance, your annual checkup), job interviews, job related issues, family reunions do not count as emergencies or valid excuses.

**Plagiarism will not be tolerated.** Plagiarism is passing off as one’s own ideas, words, writings, etc., which belong to another. You are committing plagiarism if you copy the work of another person and turn it in as your own even if you should have the permission of that person. Any instances of academic misconduct will be reported to the Committee on Academic Misconduct (University Rule 3335-5-487). If you are unsure as to what constitutes plagiarism, please see your instructor.

ADA POLICY STATEMENT
The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Office of Disability Services at (614) 292-3307. Additionally, contact the instructor as early as possible in the quarter, so your disability can be properly accommodated.
### COURSE OUTLINE

The course outline is below.

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 week</td>
<td>Introduction &amp; axioms of urban economics</td>
<td>O’Sullivan, Chapter 1</td>
</tr>
<tr>
<td>2 weeks</td>
<td>Basic tools of microeconomics (supply &amp; demand curves, elasticity and their applications)</td>
<td><em>Any microeconomics book will have these!</em></td>
</tr>
<tr>
<td>1 week</td>
<td>Why cities exist, why firms cluster</td>
<td>O’Sullivan, Chapters 2 &amp; 3</td>
</tr>
<tr>
<td>1 week</td>
<td>City size, Urban growth</td>
<td>O’Sullivan, Chapters 4 &amp; 5</td>
</tr>
<tr>
<td>1 week</td>
<td>Land Rent &amp; Land Use Patterns, Zoning and Growth Controls</td>
<td>O’Sullivan, Chapters 6 &amp; 9</td>
</tr>
<tr>
<td>1 week</td>
<td>Housing, filtering model, housing supply &amp; demand, housing policy</td>
<td>O’Sullivan, Chaps 13 &amp; 14</td>
</tr>
<tr>
<td>2 weeks</td>
<td>Introduction, extrapolation techniques, estimates, projections, forecasts, regression analysis, extrapolation curves.</td>
<td>Wang &amp; Hofe, Chap 3.1, 3.2 and 3.4</td>
</tr>
<tr>
<td>0.5 week</td>
<td>Project introduction, how to download data, Census etc.</td>
<td></td>
</tr>
<tr>
<td>1 week</td>
<td>Population projections with cohort component technique; mortality component, migration component and fertility component.</td>
<td>Wang &amp; Hofe, Chap 3.5</td>
</tr>
<tr>
<td>3 weeks</td>
<td>Interest and project analysis, present value and annual cost calculations, inflation, comparison of alternatives, equivalent worth methods</td>
<td>Shutub et al. Chaps 3.1, 3.2, 3.3 and 3.4</td>
</tr>
</tbody>
</table>

*The following are available at course reserve section (Architecture library). O’Sullivan, Appendix - Tools of microeconomics. O’Sullivan, Sheffin and Perez (Chapters 4 and 5)