ECON2216 Industrial Organization
Fall 2020

Instructor: C.Y. Tse
Office: 1006 KKL
E-mail: cytse@hku.hk
Office hours: Mon 2:30-4:00pm and Thurs 1:30-3:00pm

Class meetings: Mon 12:30-2:20pm and Thurs 12:30-1:20pm
Sept 3 - Sept 21: Zoom accessed through Moodle
Sept 22 - Nov 30: f2f in KKLG109 and Zoom accessed through Moodle

Teaching assistant: Henry Ng
E-mail: hng20@hku.hk
Office hours: Tue 13:30-14:20pm, 15:30-16:20pm and Fri 14:30 -15:20pm

Lecture notes/Primary text:
Lecture notes for each class would be available for download about one week prior to class in Moodle. There are two documents for each lecture – the lecture note and the lecture slide. The contents of the two documents are identical. You only need one for studying and revision.

Reference:
1. Industrial Organization: Theory and Practice by Don E. Waldman and Elizabeth J. Jensen, 3rd edition, Addison Wesley. (WJ)
3. Industrial Organization: Theory and Applications by Oz Shy, MIT Press. (OS)

Assessment:
Bi-weekly Assignment 15%
Test (October 19, 2020) 25%
Exam (assessment period: December 8-23, 2020) 60%

Test and Exam
Both the midterm test and the exam will be online – students shall submit their test and exam papers through Moodle. Students who fail to do so on the scheduled time and dates would be marked zero. Alternative arrangements would only be granted to students with sick leave certificates issued by medical doctors in Hong Kong. There will be NO make-up tests under any circumstances. A student who is excused from a test on medical grounds will have his/her final examination covering the weight of the test.

Problem sets and tutorials:
There will be weekly problem sets to help students better understand the materials, the solutions of which will be the subject matter of the weekly tutorial class. Out of the possibly eight to nine problem sets, four will be collected, graded, and counted towards 15% of the course grade. The submission is through Moodle.
Prerequisites:
ECON1001/1210 Introductory microeconomics, according to the Regulations, Syllabus & Structure and List of Courses for the BEd and BEd&Fin programmes.
However, some prior exposure to rigorous economic analysis acquired in Intermediate Microeconomics is highly desirable, if not altogether essential. Students without such prior exposure will almost perform poorly in this class.
Besides, this course is a theory course and can be technical at times. Indeed, we will make use of mathematics (including Calculus) throughout. On the other hand, a mastery of mathematics is not enough for the student to score a high grade in the course. The exam questions almost always ask students to explain in words the economic mechanisms at work. A recitation of the formulas as answers may not receive even partial credits. In all, a lack of either decent quantitative or verbal skills can severely handicap a student’s quest for a good grade in the course.

Course Description:
This course studies the pricing and output decisions of firms and the performance of the market under various market structures. Topics include theories of oligopoly; product differentiation; the effects of imperfect and asymmetric information; the examination of pricing practices such as price discrimination, tie-in selling, and resale price maintenance; collusion and anti-competitive behaviours, and public policies related to the promotion or restriction of competition.

Course Objectives:
1. To understand how firms interact with each other in markets.
2. To learn how markets may be efficient and inefficient.
3. To learn to evaluate what public policies will best preserve and enhance competition as a means to promote the free market to serve the public interest.

Alignment of faculty’s overall goals and course intended learning objectives:

<table>
<thead>
<tr>
<th>Course Learning Outcomes</th>
<th>Aligned Faculty Goals</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLO1. Be able to intelligently speculate the motives of real world pricing and other decisions of firms.</td>
<td>Goal# 1, 2, 3, 5</td>
</tr>
<tr>
<td>CLO2. Be able to understand the causes and consequences of market failures.</td>
<td>Goal# 1, 2, 3, 5</td>
</tr>
<tr>
<td>CLO3. Be able to form intelligent opinions on how anti-competition law may or may not improve market performance.</td>
<td>Goal# 1, 2, 3, 4, 5</td>
</tr>
<tr>
<td>CLO4. Be ready for more advanced studies in Industrial Economics.</td>
<td>Goal# 2</td>
</tr>
</tbody>
</table>

Goal 1 - Acquisition and internalization of knowledge of the programme discipline
Goal 2 - Application and integration of knowledge
Goal 3 - Inculcating professionalism and leadership
Goal 4 - Developing global outlook
Goal 5 - Mastering communication skills
### Course Teaching and Learning Activities (TLA):

<table>
<thead>
<tr>
<th>Activities</th>
<th>Expected contact hours</th>
<th>Study load (% of study)</th>
</tr>
</thead>
<tbody>
<tr>
<td>T&amp;L1. Lecture</td>
<td>36</td>
<td>27</td>
</tr>
<tr>
<td>T&amp;L2. Tutorial class</td>
<td>10</td>
<td>8</td>
</tr>
<tr>
<td>T&amp;L3. Weekly problem set</td>
<td>30</td>
<td>23</td>
</tr>
<tr>
<td>T&amp;L5. Readings and revisions</td>
<td>55</td>
<td>42</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>131</strong></td>
<td><strong>100</strong></td>
</tr>
</tbody>
</table>

### Alignment Among Course Intended Learning Outcome and Teaching and Learning Activities

<table>
<thead>
<tr>
<th>Learning Outcome</th>
<th>Teaching and learning activity (TLA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CILO1</td>
<td>TLA1, TLA2, TLA3, TLA4, TLA5</td>
</tr>
<tr>
<td>CILO2</td>
<td>TLA1, TLA2, TLA3, TLA4, TLA5</td>
</tr>
<tr>
<td>CILO3</td>
<td>TLA1, TLA2, TLA3, TLA4, TLA5</td>
</tr>
<tr>
<td>CILO4</td>
<td>TLA1, TLA2, TLA3, TLA4, TLA5</td>
</tr>
</tbody>
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### Assessment Methods

<table>
<thead>
<tr>
<th>Assessment Methods</th>
<th>Weight</th>
<th>Aligned Course Learning Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1. Homework</td>
<td>15%</td>
<td>CLO1-4</td>
</tr>
<tr>
<td>A2. Test</td>
<td>25%</td>
<td>CLO1-4</td>
</tr>
<tr>
<td>A3. Exam</td>
<td>60%</td>
<td>CLO1-4</td>
</tr>
</tbody>
</table>

### Standards for Assessment

<table>
<thead>
<tr>
<th>Course Grade Descriptors</th>
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</thead>
<tbody>
<tr>
<td>Grade</td>
</tr>
<tr>
<td>-------</td>
</tr>
<tr>
<td>A+, A, A-</td>
</tr>
<tr>
<td>B+, B, B-</td>
</tr>
<tr>
<td>C+, C, C-</td>
</tr>
<tr>
<td>F</td>
</tr>
</tbody>
</table>

Assessment Rubrics for term paper, midterm test and final exam are the same as in course grade descriptors.
**Academic Conduct**
The University Regulations on academic dishonesty - behaviors in which a deliberately fraudulent misrepresentation is employed in an attempt to gain undeserved intellectual credit, either for oneself or for another will be strictly enforced. The Board of Examiners may impose a penalty in relation to the seriousness of the offence and may report the candidate to the Senate, where there is *prima facie* evidence of an intention to deceive and where sanctions beyond those imposed by the BoE might be invoked.

**Class attendance**
The university and I expect you to attend and pay attention in class on a regular basis. Students failing to do so inevitably perform poorly.

**Topics and lectures (Tentative schedule)  
1. Perfect Competition (1.5 weeks)  
   • The theory of perfect competition  
   • Upward sloping market supply curve  
   • The efficiency of perfect competition  
   • Sunk cost, entry, and exit  
   • Long run supply curve with sunk cost**

**Readings*  
S1.1 (WJ)  
S3.1-3.2 (WJ)  
S3.3-3.6 (WJ)  
S3.7-3.8 (WJ)  
C8 (WJ)  
S12.1 (WJ)  
S13.1-13.2 (WJ)
• Product differentiation and price competition
• Spatial competition
• Monopolistic competition
• Vertical product differentiation

7. Pricing (1 week) S15.1-15.2 (WJ)
• First degree price discrimination S5.5 (OS)
• Third degree price discrimination
• Quantity discount and quality choice
• Product bundling to price discriminate
• Durable good monopoly and the Coase conjecture

8. Regulations of industry (1 week) S17.1, 17.3 (WJ)
• The effects of rate of return regulations

*Additional references will be given in selected lectures.

Classroom etiquette
1. Please switch your cell phone to silent mode if you need to keep it on at all.
2. If you need to answer a call during class, quietly walk out of the classroom before you do so. When you finish, please leave and do not come back in again.
3. If you are late for more than 10 minutes, please do not bother to show up. Your entry in the middle of the class is a nuisance to everybody.
4. Unless for emergency, please do not leave the classroom before the class is over. Your doing so constitutes outright disrespect for the instructor.
5. Please do not come to the classroom to mainly surf the net during class.

amended on 4/9/2020