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Spring 2022, Course Syllabus:

ACCT3210: Advanced Managerial Accounting

HKUST Department of Accounting

Course details:	
Instructor:	**Dr. Arthur Morris**
Office:	Room 6049 (LSK Business Building)
Email:	acarthur@ust.hk
Office Hours	By Appointment
Class Website:	http://canvas.ust.hk/
TA:	**Nicholas WU**
Office:	Room 6066 (LSK Business Building)
Email:	jhn.wu@ust.hk
Office Hours	By Appointment

Sections:	**Times & Places**
L2	Tuesday & Thursday, 12:00 - 13:20
	Classroom: 5583 **click here for map**
	Zoom: Add drop period only (Link)
L1	Tuesday & Thursday, 13:30 - 14:50
	Classroom: 5583 **click here for map**
	Zoom: Add drop period only (Link)
L3	Tuesday & Thursday, 16:30 - 17:50
	Classroom: 5583 **click here for map**
	Zoom: Add drop period only (Link)

A Note on COVID 19:

The evolving pandemic will impact this course. The schedule, locations, and expectations of this course will change when required in order to comply with University policies. The version of the syllabus posted on Github and Canvas announcements will communicate changes as they are required.

Course description:

Managers rely on accounting information to guide the planning and control process. This course builds on Principles of Accounting II (ACCT 2200) to prepare students to produce and use this information. Topics covered include decision-making techniques, analysis of cost behavior, allocation of common and joint costs, use of cost information in operational and strategic decisions, transfer pricing, and performance measurement, and incentive compensation, with an emphasis on the link between data science and accounting.

Course Objectives:

By the end of this course, you should be able to:

1. Understand both the importance of management accounting for companies' strategic and operational decisions and the pitfalls of misusing management accounting information and techniques.

2. Solve problems arising in business planning, with the aid of mathematical and statistical tools.

3. Evaluate various techniques for control and performance evaluation in a decentralized environment, and provide recommendations for an effective control system.

4. Understand how managerial and financial accounting relate to data analytics, data science, and business intelligence.

The course will also provide you with opportunities to:

5. Think through a variety of business problems.

6. Demonstrate team-work and leadership skills in solving operational and strategic planning problems.

7. Demonstrate communication skills through team work, and class discussions.

Course Materials:

Required textbook: *Horngen's Cost Accounting: A Managerial Emphasis* (17th Ed.), by Srikant M. Datar, and Madhav Rajan. Pearson Education Inc.

Teaching Methodology:

The course is taught in the form of lectures, in-class exercises and discussions, and group case studies (with student presentations). Students are required to attend all classes and participate in class discussions and exercises. Readings

and discussion problems for each class are assigned in advance. It is important that students read the assigned chapters and problems beforehand so that class time can be used efficiently.

This is an in-person course; however, the conduct of the course will be updated as the University instructs. Thus, according to current instructions note the following:

1. The course will conducted on-line (via Zoom) during the add drop period.
2. The course will be conducted in mixed-mode lite after the add/drop period.

Grading Scheme

Description	Weight
Participation	10%
Group Work	20%
Midterm	20%
Final Exam	50%
Total	100%

Course Policy:

1. Attendance and participation. Students are required to attend all classes and arrive on time. They are strongly encouraged to participate in discussions and other activities during classes. It is the spirit of participation that is valued, and students are not penalized for saying something incorrect. On the other hand, talking among students and other behavior that can cause disturbances to the class are not permitted. Video is required during Zoom classes.

2. Practice / Homework problems. Solving problems is the best way of mastering the material covered in class. I encourage you to solve at least the recommended problems (see Appendix I) but will not collect them. You are also encouraged to do additional practice while preparing for the examinations. The solutions to all problems at the end of each chapter will be posted on Canvas under "Files".

3. Group assignment: Groups membership and leadership will be randomly assigned for each group assignment. During the add/drop period, groups will be posted on canvas by the night before the assignment. This ensures that the groups are based on the current enrollment of the course. After the add drop period passes groups will be assigned one week before each group assignment.

4. Group exercises and case studies. There are approximately 5 to 8 group assignments, for which students are required to submit answers in groups,

most often these will be Google docs to be submitted via Canvas. All group assignments are equally weighted and each individual group member's worst (or missing) performance of the group assignments will not be included in calculating total marks. The group leader is responsible for coordinating and submitting the group's work. Please notify the TA immediately if you are unable to establish contact with group members.

5. Examinations. The midterm examination is scheduled from 7:00pm to 9:00pm, Tuesday, March 22, 2022, in LTL (Link to map.), and LTF (Link to map.) and LTF. Details of the assigned seating arrangement will be announced later. All students are required to take the midterm exam at this pre-scheduled time, and there will be no make-up exam for it. Students absent from the midterm exam will receive zero mark for this component, except for highly unusual circumstances that cannot be controlled and avoided by the student—in which case the grade weight on the midterm exam will be loaded to the final examination component. **The current plan is to use in-person exams for this course; however, please note that the evolving pandemic may require us to use online evaluations.** If online examinations are required by the university, then we will use Canvas to administer the examinations.

6. Academic honesty. It is important that students follow university regulations on academic integrity and honesty. Academic dishonesty is super lame and will not be tolerated and will be dealt with in accordance with university rules, which can be accessed at http://www.ust.hk/vpaao/integrity.

Appendix I: Practice Problems

Chapter	Problems
3	3-33; 3-37; 3-40; 3-48; 3-49; 3-51
10	10-25; 10-26; 10-27; 10-28; 10-30; 10-33;10-40; 10-47; 10-48;
12	11-42;11-43; 11-48;
13	12-22;12-23; 12-24; 12-25;12-26;12-43; 12-44;
14	14-18; 14-20; 14-31; 14-34; 14-38; 14-39;
16	15-27; 15-21; 15-22; 15-29;
17	16-25; 16-28; 16-33; 16-36;
23	22-20, 22-24, 22-28; 22-29; 22-37;
24	23-22; 23-24; 23-26; 23-35; 23-39; 23-42

Appendix II: Course Schedule

Lecture Schedule:

Week/Mtg	Date	Topic & Chapter(s)
1-1	8 Feb	Introduction and "Coffee Shop" Review of Cost Topics **Ch 1 & 2**
1-2	10 Feb	Review of Cost Volume Profit Analysis (MS-Excel based) **Ch 3**
2-3	15 Feb	Decisions and Uncertainty **Ch 3 Appendix**
2-4	17 Feb	Estimation and Applications of Cost Functions (Python Based) **Ch 10 & App**
3-5	22 Feb	Discussion: 10-29; 10-46; Cost Function Case **Ch 10 & App.**
3-6	24 Feb	Learning Curve **Ch 10**
4-7	1 Mar	Learning Curve Case **Ch 10**
4-8	3 Mar	Product Mix and Constrained Maximization **Ch 12**
5-9	8 Mar	Product Mix and Constrained Maximization **Ch 12 Appendix**
5-10	10 Mar	Product Mix Case **Ch 12**
6-11	15 Mar	Strategic profitability analysis and productivity analysis Discussion: 13-33; 13-34;
6-12	17 Mar	Case assignment/discussion on Profitability and Productivity Analyses **Ch 13**
7	22 Mar	**Midterm Exam - No Class** See Schedule below.
7-13	24 Mar	Variance Analysis, Standard Costing **Ch 7 & 15**
8-14	29 Mar	Case on Customer Profitability Analysis **Ch 7 & 15**
8-15	31 Mar	Support department cost allocation **Ch 15 & 16**
9	5 Apr	**Ching Ming Festival - No Class**
9-16	7 Apr	Discussion: 14-23; 15-31 **Ch 15 & 16**
10-17	12 Apr	Allocation of Joint Costs **Ch 17**
10	14 Apr	**Mid-Term Break - No Class**
11-18	19 Apr	Transfer Pricing **Ch 23**
11-19	21 Apr	Transfer Pricing & Joint Cost Case **Ch 23**
12-20	26 Apr	Performance measurement, incentives and compensation **Ch 24**
12-21	28 Apr	Performance measurement, incentives and compensation **Ch 24**
13-22	3 May	Discussion: 24-36; 24-37
13-23	5 May	Data Science & Managerial Accounting **Ch 11**
15-24	10 May	Data Science & Managerial Accounting **Ch 11**

Exam Schedule:

Exam	Date	Time	Location
Mid-Term	March 22, 2022	19:00 - 21:00	CYT LTL, LTF
Final	TBA	TBA	TBA