

The Hong Kong Polytechnic University

Subject Description Form

Subject Code	AF5107
Subject Title	Accounting for Engineers
Credit Value	3
Level	5
Normal Duration	One Semester
Pre-requisite/ Co-requisite/ Exclusion	None
Objectives	To orient students to the purpose and the subject matter of accounting. To provide students with the techniques and tools to understand and interpret accounting information. To stimulate students' interests in accounting.
Intended Learning Outcomes	Upon completion of the subject, students will be able to: <ul style="list-style-type: none"> a. Employ the accounting building blocks from the preparers' perspective. b. Understand accounting information from the users' perspective and be able to interpret them. c. Appreciate the role of quality accounting information in the decision making process.
Subject Synopsis/ Indicative Syllabus	<p>Understanding Accounting Why accounting matters. Accounting and its building blocks. The recording process. The accounting information system. The financial statements. Corporate governance, internal control and cash. The application of accounting rules (GAAPs) in general and in particular to receivables and long-lived assets.</p> <p>Interpretation of Accounts The need for comparative analysis. Tools of financial statement analysis. Understanding the uses and limitations of the tools. Gaining meaningful insights from the numbers.</p> <p>Managerial Accounting Concepts & Techniques Understanding costs. Costing techniques. Tracking costs. Cost-Volume-Profit Analysis.</p> <p>Financial Management Basic concepts and funding needs. Capital Budgeting. Cashflow statement, budgeted income statement, budgeted balance sheet and cash budget</p> <p>Accounting is Interesting A case study of financial statements of a listed company.</p>
Teaching/Learning Methodology	A three-hour seminar will be conducted each week to initiate students to ideas, concepts and techniques of the topics, which is then reinforced by their participation in class discussion, quiz and presentation. These are designed to consolidate and develop students' understanding and analytical ability through problem solving and working on relevant cases.

Assessment Methods in Alignment with Intended Learning Outcomes	Specific assessment methods/tasks	% weighting	Intended subject learning outcomes to be assessed (Please tick as appropriate)					
			a	b	c			
	Continuous Assessment	50%						
	1. Class assignment and group discussion	12%	√	√	√			
	2. Individual writing task	18%	√	√	√			
	3. Group Project	20%		√	√			
	Final Examination	50%		√	√			
	Total	100 %						
<p>Explanation of the appropriateness of the assessment methods in assessing the intended learning outcomes: In addition to the classroom activities (1 & 2), students are required to do some research and learning appraisals in assessment components 3 & 4.</p> <p>Note: To pass this subject, students are required to obtain Grade D or above in BOTH the Continuous Assessment and Examination components. In addition, the specific requirements on individual assessment components discussed above could be adjusted based on the pedagogical needs of subject lecturers.</p>								
Student Study Effort Expected	Class contact:							
	▪ Seminar		39 Hrs.					
	Other student study effort:							
	▪ Reading books and working through assigned problems		45Hrs.					
	▪ Research, discussion & write-up		15Hrs.					
Total student study effort			99 Hrs.					
Reading List and References	<p>Kimmel, Weygandt and Kieso, <i>Accounting, Tools for Business Decision Making</i>, Latest edition, John Wiley & Sons Inc.</p> <p>Anthony, Hawkins and Merchant, <i>Accounting, Text and Cases</i>, Latest edition, McGraw Hill.</p> <p>Larson, Wild and Chiapetta, <i>Fundamental Accounting Principles</i>, latest edition, McGraw-Hill Irwin.</p> <p>Williams, Haka, Bettne and Meigs, <i>Financial & Managerial Accounting: The Basis for Business Decisions</i>, latest edition, McGraw-Hill/Irwin.</p> <p>Glautier and Underdown, <i>Accounting Theory and Practice</i>, latest edition, Prentice Hall.</p> <p>Dyson, J. R., <i>Accounting for Non-Accounting Students</i>, latest edition, Financial Times.</p>							