The Hong Kong Polytechnic University

Department of Applied Mathematics

AMA1007 : Calculus and Linear Algebra

Academic year 2022/2023 Second Semester.

Subject Lecturer: Dr. LEE Heung Wing Joseph 李向榮博士

- Contacts: via the **Zoom Chat Function** (a built-in instant message function in zoom).

Tutor: Mr. YEUNG Hon Keung Angus

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Please note that students should be using **their official PolyU student account only** (email and zoom accounts without changing the original given account name) to contact teaching team members (stating clearly subject code, student name, and student id).

Course web-page URL :

- `https://www.polyu.edu.hk/ama/profile/hwlee/ama1007.html`

Grading Policy	Continuous Assessment :	Assignments	10%
		Test	30%
	Examination :		60%

Assignments:
There are 5 assignments (Assig 1, Assig 1A, Assig 2, Assig 3, Assig 4). Solutions should be submitted by 5pm of the corresponding due dates (23 Feb, 2 Mar, 9 Mar, 30 Mar, 13 Apr). Students should submit their solutions of the assignments **via Blackboard**. Solutions must be made inside the designated area (inside the boxes), and the whole document should be scanned page-by-page (one page per scan page) into one single clear and readable PDF file using **Microsoft Office Lens** only, but with file size no bigger than 3MB, and the file name must be the student name with surname first, and with the covering declaration signed. Each assignment would be graded according to a "0-1" scheme. Under this scheme, as long as the student has shown that he or she has done **substantial** work and has attempted all questions for a particular assignment, eventhough all answers may be wrong, that assignment should still be graded a "1". Otherwise, that assignment should be graded a "0". Note that students should do all their assignments **individually** unless stated otherwise.

Mid-term Test: The **Mid-term Test** will be scheduled during lecture time in **one of the lecture between Week 10 to Week 12**. Date and Venue TBA.

Other References :

- *A Short Course in Calculus and Matrices* by **Kwok-Chiu Chung**, McGraw Hill 2008.
- *Foundation Mathematics and Statistics* by **K.F. Hung, Wilson C.K. Kwan, and Glory T.Y. Pong**, McGraw Hill 2011.
- *Calculus. 7th ed.* by **James Stewart**, Brooks/Cole 2012.
- *Thomas' Calculus 12th ed.* by **George B. Thomas Jr., Maurice D. Weir, Joel Hass**, Brooks/Cole 2012.
- *Elementary Linear Algebra 9th ed.* by **Howard Anton, Chris Rorres**, John Wiley and Sons, 2005.

Midterm Test and Examination rubric

A-/ A /A+	80 - 100 (out of 100)
B-/ B /B+	65 - 79 (out of 100)
C-/ C /C+	50 - 64 (out of 100)
D /D+	40 - 49 (out of 100)
F	0 - 39 (out of 100)