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The Hong Kong Polytechnic University
Department of Electronic and Information Engineering

Assessment Plan

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Prepared by: _____ Dr Daniel Lun _____

Subject: _ EIE4413 Digital Signal Processing _____   Date: ___ 7 January 2020 _

Intended Subject Learning Outcomes	Upon completion of the subject, students will be able to:
	Category A: Professional/academic knowledge and skills
	1. Understand the basic concepts of Fourier analysis of digital signals and apply them to practical problems.
	2. Design and realize simple digital filters for practical applications.
	3. Understand the importance of random signal processing in DSP, and its application in statistical measures, prediction and data modelling.
	4. Design and simulate simple DSP systems.
	Category B: Attributes for all-roundedness
	5. Think critically.
	6. Learn independently.

Assessment Method	No. Required	Weighting (%)	Intended Subject Learning Outcomes to be Assessed	Description/Remarks
Short exercises	>10	5%	1, 2, 3, 5	Quizzes conducted in lectures and tutorial classes
Assignments	2	5%	1, 2, 3, 5, 6	2 assignments cover all topics.
Lab work	3	10%	1, 2, 3, 4, 5, 6	3 demos and 3 lab reports
Mid-term Quiz	1	10%	1, 2, 3, 5	Held in the middle of semester. Cover about half of the topics. Students are allowed to use an A4 size clue sheet in the quiz.
End of term Test	1	10%	1, 2, 3, 5	Held in the middle at the end of subject. Cover about the second half of the topics. Students are allowed to use an A4 size clue sheet in the test.
Examination	1	60%	1, 2, 3, 5	Cover all topics in the subject. Students are allowed to use an A4 size clue sheet in the examination.

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According to the University's General Assessment Regulations, assessment grades shall be awarded on a criterion-referenced basis. A student's overall performance in a subject shall be graded as follows:

Subject Grade	Short Description	Elaboration on Subject Grading Description
A+	Exceptionally Outstanding	The student's work is exceptionally outstanding. It exceeds the intended subject learning outcomes in all regards.
A	Outstanding	The student's work is outstanding. It exceeds the intended subject learning outcomes in nearly all regards.
B+	Very Good	The student's work is very good. It exceeds the intended subject learning outcomes in most regards.
B	Good	The student's work is good. It exceeds the intended subject learning outcomes in some regards.
C+	Wholly Satisfactory	The student's work is wholly satisfactory. It fully meets the intended subject learning outcomes.
C	Satisfactory	The student's work is satisfactory. It largely meets the intended subject learning outcomes.
D+	Barely Satisfactory	The student's work is barely satisfactory. It marginally meets the intended subject learning outcomes.
D	Barely Adequate	The student's work is barely adequate. It meets the intended subject learning outcomes only in some regards.
F	Inadequate	The student's work is inadequate. It fails to meet many of the intended subject learning outcomes.

'F' is a subject failure grade, whilst all others ('D' to 'A+') are subject passing grades. No credit will be earned if a subject is failed.

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