Assessment Rubric of Component: Examination

Subject Learning Outcome 1: Understand the basic concepts of Fourier analysis of digital signals and apply them to practical problems.

F	D	D+	C	C+	B	B+	A	A+
0	1	1.5	2	2.5	3	3.5	4	4.5
<10.0	[10.0,11.3)	[11.3,12.5)	[12.5,14.3)	[14.3,16.0)	[16.0,17.8)	[17.8,19.5)	[19.5,21.3)	[21.3,25]
Do not understand the basic concepts of Fourier analysis of digital signals and is unable apply them to practical problems.	Marginally understand the basic concepts of Fourier analysis of digital signals and has much difficulty to apply them to practical problems.		Has a basic understanding of the basic concepts of Fourier analysis of digital signals and barely able to apply them to practical problems.		Has a good understanding in the basic concepts of Fourier analysis of digital signals and basically has no problem to apply them to practical problems.		Comprehensively understand the basic concepts of Fourier analysis of digital signals and is proficient to apply them to practical problems.	

Subject Learning Outcome 2: Design and realize simple digital filters for practical applications.

F	D	D+	C	C+	B	B+	A	A+
0	1	1.5	2	2.5	3	3.5	4	4.5
<10.0	[10.0,11.3)	[11.3,12.5)	[12.5,14.3)	[14.3,16.0)	[16.0,17.8)	[17.8,19.5)	[19.5,21.3)	[21.3,25]
Cannot design and realize simple digital filters for practical applications.	Has much difficulty in designing and realizing simple digital filters for practical applications.		Can basically design and realize simple digital filters for practical applications.		In general, has no problem to design and realize simple digital filters for practical applications.		Expert in designing and realizing simple digital filters for practical applications.	

Subject Learning Outcome 3: Understand the importance of random signal processing in DSP, and its application in statistical measures, prediction and data modeling.

F	D	D+	C	C+	B	B+	A	A+
0	1	1.5	2	2.5	3	3.5	4	4.5
<10.0	[10.0,11.3)	[11.3,12.5)	[12.5,14.3)	[14.3,16.0)	[16.0,17.8)	[17.8,19.5)	[19.5,21.3)	[21.3,25]
Do not understand the importance of random signal processing in DSP, and its application in statistical measures, prediction and data modelling	Marginally understand the importance of random signal processing in DSP, and its application in statistical measures, prediction and data modelling		Has a basic understanding of the importance of random signal processing in DSP, and its application in statistical measures, prediction and data modelling		Has a good understand the importance of random signal processing in DSP, and its application in statistical measures, prediction and data modelling		Comprehensively understand the importance of random signal processing in DSP, and its application in statistical measures, prediction and data modelling	

Subject Learning Outcome 5: Think critically.

F	D	D+	C	C+	B	B+	A	A+
0	1	1.5	2	2.5	3	3.5	4	4.5
<4.0	[4.0,4.5)	[4.5.5.0)	[5.0,5.7)	[5.7,6.4)	[6.4,7.1)	[7.1,7.8)	[7.8,8.5)	[8.5,10]
Unable to think critically	Has great difficulty in thinking critically		Can basically think critically		Able to think critically in general		Expert in thinking critically	

		OC1	OC2	OC3	OC4
Question	Marks				
Q1	25%	Yes			
Q2	10%				Yes
Q3	25%		Yes		
Q4	25%			Yes	