## Outline:

- 1. The PolyU Rubric Policy
- 2. What is a rubric?
- 3. Group Activity Reconstructing a rubric
- 4. Collection and Review of Sample Rubrics in Use at PolyU
- 5. Group Activity Assessing the qualities of sample rubrics
- 6. Roundup, Q&A



# The Rubric Policy in 2016

Workshop Series on the Development, Design and Use of Rubrics

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Session 2: Rubric Design for Common Assessment Tasks at PolyU

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#### Policy on the use of rubrics [See notes]

Rubrics must be specified for all 'major' assessment items at the subject level, made available to students before the assessment, and used for grading the assessment. Departments have the flexibility to determine what is 'major'. As a rule of thumb:

- For subjects without examinations, rubrics should be required for single assessment items with a weighting of 30% or above of the subject's overall assessment.
- For subjects with examinations, rubrics should be required for single assessment items with a weighting of 20% or above of the subject's overall assessment.



					a Rubr			5
							Grade	Performance Description
(Criteria	Excellent (A+/A/Ar)	Good (8+/8/8-)	Satisfactory (C+/C/C)	Marginal Pass (0+ / 0)	rail (*)		Excellent (A+, A, A-)	The contents have covered the training received comprehensively. The writer's levels of achievement on all subject learning subcomm are dearly evidenced.     Complex oritical reflections that connect the training experiences, acidemic learning controls and action of the sub- acidemic learning and professional apprehension.
Knowledge and intellectual skills – Learning outcome 1	Accurately describes the problem. Carefully describes how their shinking.	Describes the problem well. Is reasonably consistent in describing	Describes the problem satisfactorily. Needs to be more consistent in	Is inconsistent in identifying the problem. Needs to explain how	Has difficulty in identifying the problem. Unable to show how their			<ul> <li>Errors in grammar and use of engineering terms are rare and insignificant; diagrams, figures, and tables are used very effectively.</li> </ul>
	will contribute to the understanding of the problem.	their thinking and providing information about the problem.	describing their thinking and provide more information.	their thinking will contribute to the understanding of the problem.	thinking will contribute to the understanding of the problem.		Good (8+, 8, 8-)	• The contents have exerced all major aspects of the training reserved. The startist word databasement on all learning success can be determined. Contrin ortical reflections on the training experiences, thereofold lossedege, as professional aspections. Though them may be a learning error loss granters and use of engineering terms, meaning is clear throughout, diagrams, figures, and table are used when supported.
Azabysis – Learning outcome 2	Refers to a variety of sources in reflection to support argument; applies	Refers to several sources to support argument in reflection; draws on	Refers to sources to support argument in reflection; uses readings	Refers to few sources to support argument in reflection; makes little	Does not refer to sources to support argument in reflection; makes no use		Satisfactory (C+, C, C-)	
	concepts from readings to analyse experiences.	readings to analyse experience.	to analyse experience.	use of readings to analyse experience.	of readings to analyse experience.			• The contexts have experient most major spectra to the training exclude. More of mice another way logarity purper which make the worksh adhreement of learning automes soughly discrimible for not advises. Consists in purperties infections on the training experiences, theoretical learning are preferable an applications. A five disposition gravity and using a discrete integration but making in data; commandation is maginally enhanced by diagrams, figures, and tables.
Evaluation - Learning outcome 3	Can suggest creative, logical and workable solutions to achieve goal. The solutions relate directly to the specific problem. Explains strategies to support solutions.	Can suggest several good solutions to achieve goal. The solutions are closely related to the specific problem. Attempts to explain strategies to	Can suggest several solutions but needs to choose an option to solve the problem.	Has difficulty suggesting adequate solutions and also needs to shoose an option to solve the problem.	Is unable to suggest any solutions or to relate solutions to the problem.			
	to apport desired.	support solutions.					Marginal Pass (D+, D)	<ul> <li>The contents have covered some basic supects of the training received. The structure has limited coherence, clarity, and cohesion, making the</li> </ul>
Application – Learning outcome 3	Decides which idea will be the best solution. Can implement, plan and text solution by demonstrating application of techniques and strategies.	Selects what seems to be the best solution. Can apply techniques and strategies.	Selects what seems to be the best solution. Needs to rathink plan to get desired solution.	Needs to be consistent in selecting what seems to be the best solution. Needs to try it out after a choice is made.	Unable to select what seems to be the best solution.			write'r i achievenner o'f iarring outcome somwhat anclear. Conain on yl ingie infliction o'f the training aperianom. Malfiple datracting erron is garrenar and uage that somethres ingede understanding: datgares, fgares, and talke sere either nat usad or ineffective. Biologi auctaline were uado occasionally to assist correnariadion.
							Fail (F)	<ul> <li>The contents are an assemblage of recollections that lacks coherence, clarity and cohesion, or the contents are unrelated to the training mediated.</li> </ul>

## Activity 1



Work together in groups (of 3 or 4) to reconstruct the rubric from its constituent cells and identify the criteria. Report back on the thinking processes that the group went through while completing the task.

## Collection and Review of Sample Rubrics in Use at PolyU

- Rubrics collected from 29 departments / centres / schools in May 2018 and August 2020.
- ▶ 133 rubrics analysed for:
  - ► Alignment to Institutional Level Subject Grading Descriptors
  - ► Quality as assessment instruments
  - ► Quality as academic documents
- ▶ Recommendations made for further staff development.

Institu	tional Lev	vel Subject Grading Descriptors	8

Subject grade	Short description	Elaboration on subject grading description
concepts and solve complex problems. Shows ev		Demonstrates excellent achievement of intended subject learning outcomes by being able to skillully use concepts and solve complex problems. Shows evidence of innovative and critical thinking in unfamiliar situations, and is able to express the synthesis or application of ideas in a logical and comprehensive manner.
8+ 8 8-	Good Demonstrates good achievement of intended subject learning outcomes by being able to concepts and solve problems. Shows the ability to analyse issues critically and mak judgements in familiar or standard situations, and is able to express the synthesis or applica logical and comprehensive manner.	
c+ c c-	Satisfactory	Demonstrates satisfactory achievement of intended subject learning outcomes by being able to solve relatively simple problems. Shows some capacity for analysis and making judgements in a variety of familiar and standard shaufans, and is able to express the synthesis or application of ideas in a manner that is generally logical but fragmented.
D+ D	Pass	Demonstrates marginal achievement of intended subject learning outcomes by being able to solve relatively simple problems. Can make basic comparisons, connections and judgments and express the ideas learnt in the subject, though there are frequent breakdowns in logic and clarity.
F	Fail	Demonstrates inadequate achievement of intended subject learning outcomes through a lack of knowledge and/or understanding of the subject matter. Evidence of analysis is often irrelevant or incomplete.

## Alignment of Sample Rubrics to Institutional Level Subject Grading Descriptors

Element of ILSGDs	Direct reference	Indirect reference	No reference
Achievement of intended subject learning outcomes	26 (20%)	61 (46%)	46 (34%)
Use of appropriate concepts for problem solving	22 (16%)	62 (47%)	49 (37%)
Critical analysis and judgement	36 (27%)	75 (56%)	22 (16%)
Synthesis and application of ideas	26 (20%)	73 (55%)	34 (25%)
Logic and comprehensiveness	22 (16%)	81 (61%)	30 (23%)

 When surveyed, out of 66 respondents (academic staff at PolyU), 44 (67%) said that they drew on the ILSGDs when designing rubrics.

• This would seem to be an area that needs to be strengthened.

Source: Review of sample rubrics provided by PolyU departments/centres/schools

### Qualities of Sample Rubrics as Assessment Instruments

Positiveness - It is common for assessment descriptors aimed at lower levels of achievement or ability to be negatively worded, as it is more difficult to formulate descriptions of what learners are able to do at these levels. But for rubrics to help provide feedback to learners on what they have shown that they can do and what they should aspire to improve, positive wording is desirable wherever possible.

Definiteness – Descriptors should describe concrete tasks and concrete degrees of skill in performing them. Vague descriptions should be avoided, as should the replacement of qualifiers such as "some" with "many" or "fairly broad" with "very broad" and so on.

*Clarity* – Descriptors should be clearly written and free from jargon so that both teachers and students understand them.

## Qualities of Sample Rubrics as Assessment Instruments (cont.)

Brevity – To achieve definiteness of description of a learner or a performance, it is sometimes considered that detailed (and therefore lengthy) descriptors are needed. However, research has shown that teachers and students prefer short, concise descriptors as they are more practical when used for assessment. A balance must be found between the two.

Independence – Descriptors should clearly describe performance or ability at particular levels and on particular criteria. In this respect they should be independent of each other within the rubric. Short and concrete descriptors can be used as independent criteria

#### Qualities of Sample Rubrics as Assessment Instruments

Quality	Satisfactory	Needs Improvement	Missing / not addressed
Positiveness	14 (10%)	119 (90%)	0
Definiteness	18 (14%)	84 (63%)	31 (23%)
Clarity	22 (16%)	84 (63%)	27 (21%)
Brevity	21 (15%)	91 (70%)	21 (15%)
Independence	17 (13%)	81 61%)	35 (26%)

Each Quality is considered in terms of use by all stakeholders – teachers, students and administrators.

Only a minority of sample rubrics proved to be satisfactory in terms of their quality as assessment instruments.

Source: Review of sample rubrics provided by PolyU departments/centres/schools



Rubrics are written in English – not the first language for most stakeholders.

Source: Review of sample rubrics provided by PolyU departments/centres/schools



each rubric and why.

