



وزارة التعليم العالي والبحث العلمي كلية المنصور الجامعة دائرة تكنولوجيا المعلومات والاتصالات



دورة التدريب الاحترافي للتعليم الالكتروني
أستعداداً للعام الدراسي 2020 – 2021

استخدام سلم التقييم التقدير في منصة كوكل التعليمية

By Oday A Ahmed

Instructor Biography

Oday A. Ahmed received his MSc degree in Electrical and Electronic Engineering from University of Technology, Baghdad-Iraq, in 2002. He was awarded a PhD degree from University of Leicester in 2012. Currently he is the director of Multimedia and eLearning center in UoT. His interesting about manage the LMS and SIS systems such as Google workspace, Canvas, and learner Centre SIS.

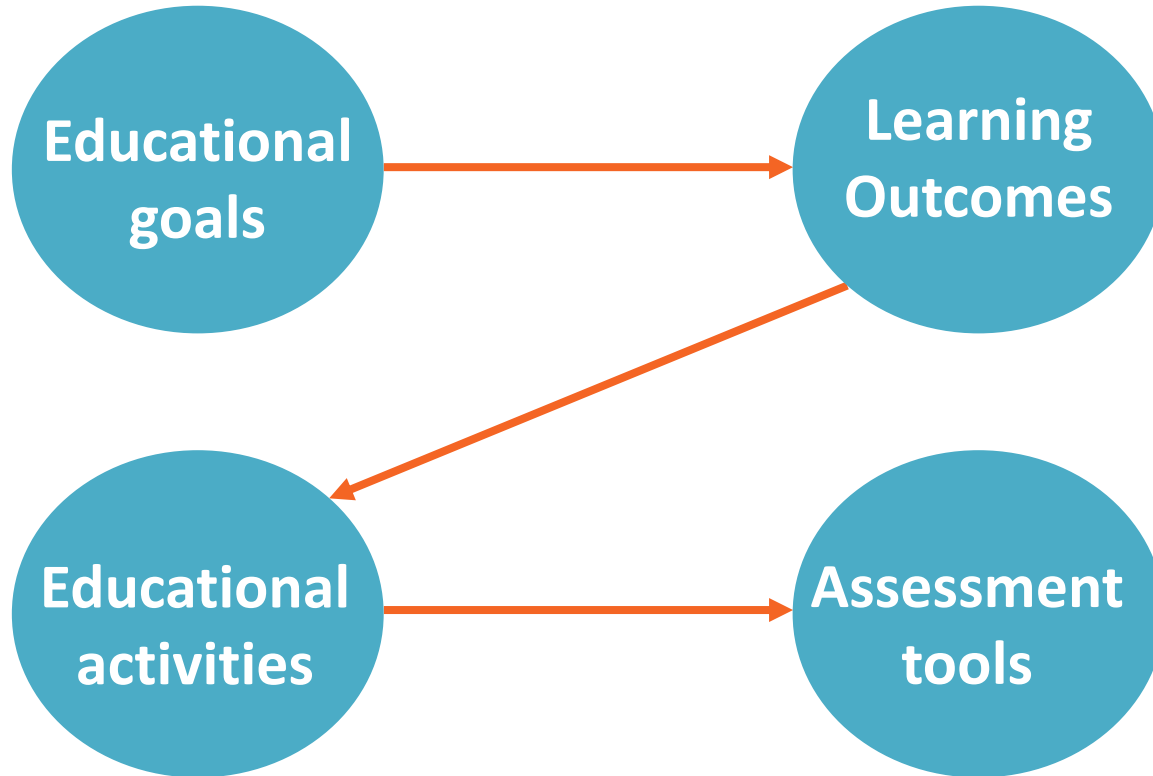
Session Objectives

By the end of this session, you will be able to:

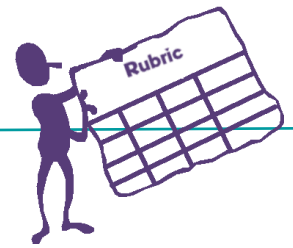
✓ Understand..

- Define the meaning of Rubrics*
- Understand the value of Rubrics for student evaluation*
- Demonstrate how to construct Rubrics*
- Design Rubrics for your students reports*
- Use Rubric with the Google classroom*
- Develop grading report using Rubrics*

Introduction to Rubrics



What is Rubric



A rubric is a scoring guide that helps teachers evaluate student performance, based on a range of criteria. A rubric lists the criteria, or characteristics, that student work should exhibit and describes specific quality levels for those criteria.

Analytic
Rubric

Holistic
Rubric

Why Rubric

Why my score is less than!



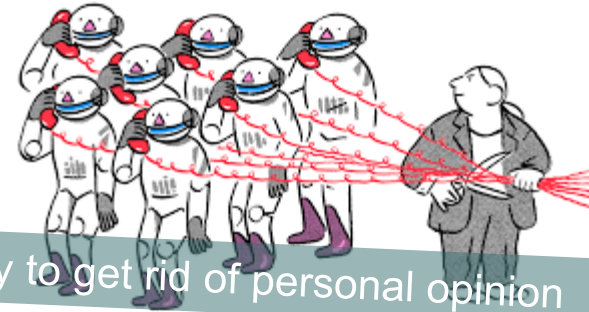
Improve student performance



Engineering Accreditation Commission

Meets international accreditation requirements

A measure of student learning of skills



A way to get rid of personal opinion

The student feels credible in giving the evaluation

Give a clear methodology for evaluation

Improve student learning

Why Rubric

Inform students of the evaluation method

- Student's knowledge of the precise details of the required tasks before the completion of the work of them. This will save considerable time teaching in answering their questions later and blocked excuses before speculation some of them.
- Students will be concerned with meeting requirements rather than asking for their specifics.

Reduced evaluation time

- It will take a long time building assessment standards, but it will make a shorter time evaluation.
- Evaluation criteria will serve as a heuristic guide for teaching students when evaluating the tasks and duties.

More objective assessment

- No need to compare students' assignments out satisfactory and fair manner and comparison will be with the standards set only.
- The teacher will have one standard reference for conducting the evaluation

Why Rubric

Fixed structural assessment

- It will add a disciplined style to the task's components and make it possible for future development and improvement.
- The ability to compare this task with similar tasks faster and more efficiently.

Transparency of the evaluation

- Add transparency to the assessments given to the duties and functions of the students.
- Students will not be ideas about assessment likely to guess what they should do to get a higher assessment of their business.

Self-Assessment

- Students will be able to anticipate the evaluation they will receive after completing their assignments.
- Students will be able to rate each other

Poll Question

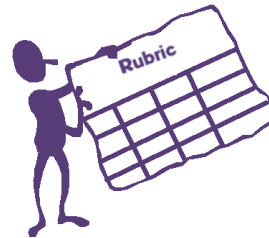
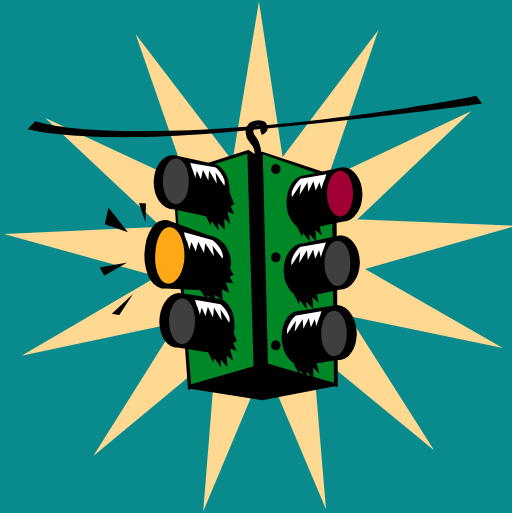
Rubrics Scoring that gives students a single, overall assessment score for the paper as a whole, it's called:

- a) **Rubrics for Holistic Scoring**
- b) **Rubrics for Analytic Scoring**

When to use rubrics

Usually with a relatively complex assignment, such as a long-term project, and essay, or research-based product.

- Informative feedback about work in progress
- Detailed evaluations of final projects



Rubrics sound great! What's the catch?

- Although rubrics have many benefits--and make grading faster and easier--a good rubric takes time to construct.
- You'll probably need to change (change, not add to) your grading and assessment methods.
- Rubrics are best for critical assessments, major projects, and other assignments that require a multi-dimensional performance evaluation.

Analytic Rubric Components

Dimensions

Performance criteria: the essential concept that you want student to achieve

- Criteria 1
- Criteria 2
- Criteria 3
- Criteria 4

Scales

Performance level:
quantitative

- Exemplary
- Satisfactory
- Developing
- Unsatisfactory

Score for each level

No less than 3, No more than 5, Why?

Descriptors

Describing a given level of Performance :

Statement that describe each level of the performance for each dimension

Poll Question

The most effective rubrics layout three kinds of information for students which are:

- a) The key evaluative criteria, defined as concretely as possible,
- b) An evaluative range for each criterion so that students can see where they succeeded (or not) for each criterion, and
- c) Weightings for each criterion.
- d) All of the above

How is a rubric structured?

Like a matrix

Capstone Rubric	Excellent 5	Good 4	Satisfactory 2	Poor 0
Performance criteria 1				
Performance criteria 2				
Performance criteria 3				
Performance criteria 4				

The diagram illustrates the structure of a rubric matrix. The table has four columns representing performance levels: Excellent (5), Good (4), Satisfactory (2), and Poor (0). The rows represent performance criteria 1 through 4. Annotations include: a yellow bracket labeled 'Scales' spanning the four columns; a yellow bracket labeled 'Dimensions' spanning the four rows; and a blue double-headed arrow labeled 'Descriptors' pointing to the intersection of the 'Good' and 'Satisfactory' columns and the 'Performance criteria 4' row.

Samples of Rubric Assignments

- **Rubric to grading Homework**
- **Rubric to evaluate Research Paper or report**
- **Rubric to scoring Math Problem**
- **Rubric for grading Scientific laboratory report**

Rubric to Grading Scientific Paper

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Capstone Rubric	Excellent 3	Satisfactory 2	Poor 1	Total Score
Paper topic	New, original, innovative and important	Important, but it is covered in a limited manner	It has been published a lot, it is useless to study it	
Paper Title	Accurately expresses the subject of the research, abbreviated, formulated scientific in fluent language	Expresses the subject of the research, longer or shorter than necessary Some of his vocabulary are slang	Lacking the appropriate wording	
Introduction	Pave the way for research, Interesting and supported by opinions and documented results, going from public to private. Raised the importance of studying the topic	Give an idea of the research problem, Include sufficient information on the subject	Do not explain the subject of the study, Put it up weak and dominated by personal opinion.	
Paper Problem	Specific and clear, valuable, New, studyable,	Well defined, important, relatively new, studyable	Previously addressed, vague, difficult to study	
Research questions	Exactly addresses the problem of the study, Their answers require research, Not overlapping, It can be answered using one of the research methods	Covering the research problem Most of the answers require research Most of them can be covered by one of the research methods	Their relationship to the problem of research is weak, difficult addressed one of research methods, not suitable	
research aims	Precisely defined, value, verifiable	Most specific, acceptable, most of them can be achieved	Exaggerated, or unrealistic, inappropriate	
research importance	An accurate clarification of the benefits of scientific and practical research	Significant clarification of the benefits of scientific and practical research with little overlap with objectives	Unclear, overlapping with goals	
Documentation and references	Totally committed to documenting one system, use more than 5 references	Committed a major commitment to document system, Astkhaddm5-4mraja	Documentation system is inaccurate, use less than 4 references	
Directing	The research is printed, numbered, and ordered, containing the basic data.	Printed, numbered, arranged graphically, with most baseline data.	Unprinted, lacking a lot of organization.	

Rubric to Scoring Computer Programming

Capstone Rubric	Exceptional	Acceptable	Amateur	Unsatisfactory
Specifications	The program works and meets all of the specification	The program works and produces the correct results and displays them correctly. It also meets most of the other specifications.	The program produces correct results but does not display them correctly	The program produces correct results but does not display them correctly
Readability	The code is exceptionally well organized and very easy to follow	The code is fairly easy to read.	The code is readable only by someone who knows what it is supposed to be doing	The code is poorly organized and very difficult to read
Reusability	The code could be reused as a whole or each routine could be reused.	Most of the code could be reused in other programs	Some parts of the code could be reused in other programs	The code is not organized for reusability.
Delivery	The program was delivered on time	The program was delivered within a week of the due date.	The code was within 2 weeks of the due date	The code was more than 2 weeks overdue.

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Poll Question

The table below shows the design of the Analytic Rubric

Description	Score
	5
	4
	3
	1

a) True

b) False

If false correct the answer

Rubric for PE lab



Develop **Students Skills,** Through Using Computer Software such as Excel, Matlab, PSpice to plot the required curves and simulate the circuits and compare them with the practical results.

All the experiments data are taken through computers that provided at each Bench



Paperless Lab

All the Lab reports in PE laboratory send by the students and scored electronically via **E-Learning** System.

First Lab
In the Uot that Based E-Learning



Grading Rubric for PE lab

Full score: 10 points

Capstone Rubric	Excellent	Good	satisfactory	poor
Due time of Turn in report تسليم التقرير	Turn in on time	Late for turn-in of 6 hours	Late for turn in of day	Missing
Scores	1	0.75	0.5	0
Cover page	includes the student's Name and Team #, Experiment Title and Number, Instructor Name. Pages are numbered except the cover page	not includes two of the required items in the cover page	not includes three of the required items in the cover page	Don't satisfy the requirements
Scores	0.5	0.35	0.25	0.1
Figures and Tables	includes caption and number for each figure and table.	Well follow the instruction but less than figures and tables do not follow the required criteria	Incomplete either include only caption or numbers	Don't satisfy the requirements
Scores	0.75	0.5	0.25	0.1
Report Template	Use same attached report template to writing up the report	Use another Google Doc report template to writing up the report	Use MS word template to writing up the report	Use pdf or another media template to writing up the report
Scores	1	0.75	0.5	0.25

Grading Rubric for PE lab

Full score: 10 points

Capstone Rubric	Excellent	Good	satisfactory	poor
Documents Software Skills	All graphs plotted using Google sheet/MS Excel and results organized in the tables using Google Doc.	Incomplete some of the graphs and tables completed as picture/by hand	Unsatisfactory the graphs and tables completed as picture/by hand	Don't satisfy the requirements لا تفي بالمتطلبات
Scores	1	0.75	0.5	0.25
Equipment and components used	Recorded the used equipment through the implementation of the experiment and list them in a table. سجلت المعدات المستخدمة من خلال تنفيذ التجربة وسردها في جدول.	One of the equipments used was not recorded by the experiment while the table is used to list it لم يتم تسجيل أحد المعدات المستخدمة من خلال تنفيذ التجربة بينما يتم استخدام الجدول لسردها.	More than one of the equipment used is not recorded and is not listed in a table. لم يتم تسجيل أكثر من واحد من المعدات المستخدمة ولم يتم سردها في جدول..	Don't satisfy the requirements لا تفي بالمتطلبات
Scores	0.75	0.5	0.25	0.1
Procedures	Follow the procedure steps and answer any requirements in each step اتبع خطوات الإجراء والإجابة على أي متطلبات في كل خطوة تحت كل خطوة	Good Follow the procedure steps but student answer some requirements of each step جيد لاتباع الخطوات الإجرائية ولكن الطالب لم يجيب على بعض متطلبات كل خطوة	Incomplete justification to follow of the procedure steps التبرير غير كامل لمتابعة خطوات الإجراء	Don't satisfy the requirements of the procedure لا تفي بمتطلبات خطوات إجراء التجربة
Scores	1	0.75	0.5	0.25

Grading Rubric for PE lab

Full score: 10 points

Capstone Rubric	Excellent	Good	satisfactory	poor
Calculations and required formula equations	All the required calculations with respect to the related formulas are completed and organized in a table and written using equation editor.	Good answer for the required calculations and organized the results in a table but not using the equation editor for writing up the required formula.	Incomplete answer for the required calculations and the results of calculations unorganized in a table and not using the equation editor for writing up the required formula.	Don't satisfy the requirements
Scores	2	1	0.5	0
Conclusions And Discussion	Answered all the questions in the conclusion and discussion section with no cheating from the web and other colleagues	Answered 75% of the questions in the conclusion and discussion section with no cheating from the web and other colleagues	Answered less than 50% of the questions in the conclusion and discussion section with no cheating from the web and other colleagues	Cheating or not answer all the required questions
Scores	2	1	0.5	0

Rubrics Using Google Classroom



- GC allows using Rubric in some activities that accepts giving questions or assignments. GC fulfills all Rubric requirements successfully.

Google
for Education

RUBRICS IN



Google Classroom

Rubrics Using Google Classroom

- ❑ In GC, you can create, reuse, share, view, and grade rubrics for individual assignments.
- ❑ You can give feedback with scored or unscored rubrics. If a rubric is scored, students see their scores when you return their assignments.

Assignment Saved Assign

Title
Rubric

Instructions (optional)

[Add](#) [Create](#)

For
PE Laborator... All students

Grade category
No category

Points
100

Due
No due date

Topic
No topic

Rubric
[+ Rubric](#)

Originality reports [Learn more](#)

Design an evaluation form based Rubric reports Edited Nov 3, 2019

No due date ▶ 1 student

0	0	1
Turned in	Assigned	Graded

[Rubric: 9 criteria • 10 pts](#)

 [لهندسة الكهربية بالجامعة التكنولوجية...](#)
Google Docs

[View assignment](#)

Poll Question

Rubric scoring can be used with the following Google apps

- a) Google Docs
- b) Google Socratic
- c) Google science Journal
- d) Google Co Lab

Poll Question

The two types of Rubric scoring;
Holistic and Analytic can be
designed in GC

- a) True
- b) False

Step By step for
Creating Rubric in
GC

RUBRICS IN



Google Classroom

PRACTICAL

