# **Build a Rubric for Scoring Papers and Projects**

Rubrics provide a standardized format for feedback and assessment of projects and papers that are more difficult to assess than traditional measures like multiple-choice tests. They contain definitions of the components or features of the project that you expect to evaluate along with descriptions of what those features might look like when performed at different levels (e.g., at an exemplary level vs. a poor level). Rubrics not only help you and your students understand what the key components of the project are and how they will be evaluated, but they can also increase your efficiency and consistency, especially if more than one person will be providing feedback and assessment.

#### **Designing Your Rubric**

Most rubrics adopt a multiple row and column table design, with core attributes, features, or qualities in the left-most column, each in its row, and at least three columns across the top to indicate different levels of performance, from lowest (second column) to highest (fourth column). Table 1 provides a typical example of this structure.

Table 1. Typical Design Structure for a Rubric

	Below Expectations	Meets Expectations	<b>Exceeds Expectations</b>
Core Attribute 1	Description of how	Description of how	Description of how
	attribute would manifest	attribute would	attribute would
	when below	manifest when at	manifest when
	expectations	expectations	exceeds expectations
<i>Core Attribute 2</i>	Description of how	Description of how	Description of how
	attribute would manifest	attribute would	attribute would
	when below	manifest when at	manifest when
	expectations	expectations	exceeds expectations
<i>Core Attribute 3</i>	Description of how	Description of how	Description of how
	attribute would manifest	attribute would	attribute would
	when below	manifest when at	manifest when
	expectations	expectations	exceeds expectations
<i>Core Attribute 4</i>	Description of how	Description of how	Description of how
	attribute would manifest	attribute would	attribute would
	when below	manifest when at	manifest when
	expectations	expectations	exceeds expectations

### Step One

The first step is to define what the core attributes of the assignment are. What are the big things you will be looking for? What would you call them, and what would they look like at varying levels of performance? If your rubric is designed to assess a major paper or report, elements may be related to the content of the paper, the structure, references, and writing mechanics. If your rubric is designed to assess a project, it

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might include the same core attributes as a paper (if the project is also written up) but also include things like professionalism (e.g., timely client communication; always appeared in professional dress with name badge displayed) and theoretical foundation (e.g., adopted an appropriate model from the textbook and applied it consistently).

Once you have defined these core attributes, given each one a short name and a brief description. For example:

- 1. Background: The history and context of the subject.
- 2. Research: Current evidence-based guidance from your survey of the literature.
- 3. Structure: Clearly organized arguments and evidence to support hypotheses.
- 4. Mechanics: Spelling, grammar, punctuation, and format.

Place each core attribute in its own row of a table like the example above. This will form the first column of your rubric.

#### Step Two

Now that have the core attributes defined and placed in the first column of your table, you need to determine how many performance benchmarks you will use. Most rubrics contain a minimum of three benchmarks, but some rubrics have five or more. Just remember that the more you have, the harder it will be to clearly articulate the differences between them. We recommend that you start with three until you know you will need more. Performance benchmarks generally have with at least one level below and above what you would consider acceptable (e.g., the equivalent of a high C to low B grade work). You've seen the example above, which uses below, meets, and exceeds expectations, but you could also use "Unsatisfactory," "Satisfactory," and "Exemplary."

Once you have identified your performance benchmarks, place them each in their own column to the right of your core attributes, from lowest to highest.

#### Step Three

Now that you have your core attributes defined in the first column and the performance benchmarks in the 3 (or more) columns to the right, you need to articulate what each benchmark MEANS in relation to each core attribute. What kinds of attributes would indicate that a core attribute warrants a "Below Expectations" rather than a "Meets Expectations?"

The descriptors within each of the columns for level of performance should describe multiple characteristics to help you (or another instructor who uses it) and the student understand what it means to achieve each core attribute at different levels. For example, the descriptors for "Mechanics" under "Below Expectations" might say "spelling errors are prevalent; contains significant grammatical errors, writing lacks expository logic (e.g., transition sentences, thesis statement); fails to account for counter arguments. Many instructors find it easier to begin by defining the lowest (the biggest/most common mistakes you see in such projects/papers) and working their way up from there.

### Optional

Will points be assigned? Some instructors like to provide a range of points associated with each performance benchmark in order to simplify grading. For example:

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- 1. Background (25 pts)
- 2. Uses (25 pts)
- 3. Strategies (25 pts)
- 4. Research (10 pts)
- 5. Structure Guide (10 pts)
- 6. Mechanics (5 pts)

While this can be helpful in grading, it also adds a significant level of complexity because they have to be distributed across your performance benchmarks. Are the maximum points achieved by getting "exemplary" for every core attribute? If so, what grade would someone get if they got all "Meets Expectations:" B? C? Some find it easier to use percentages, also referred to as "weighting," for the core attributes. This lets you assign more "power" to the big things (e.g., Research, Structure) and less to the small things (e.g., mechanics). You can then just assign any point value you like to the performance benchmarks (e.g., 1, 5, 10 points) since the final grade will be the total of the points received from each performance benchmark multiplied by the weight for each attribute.

Either way, you will still have to "test" your rubric out to make sure it does not allow substandard performance to get a "passing" grade, or sufficient performance to get a grade that is too low or failing. If you are new to rubrics, we recommend NOT using points or weighting until you have built, tested, and become familiar with using them. You can consider the middle of three performance benchmarks to be a "C or B" and the highest to be an "A" and then use your own judgement for those students who are in between.

### **Building and Implementing Your Rubric**

Create a table. Determine how many rows and columns by looking at the content you generated during the planning stage. Our example content contains six rubric elements and four performance benchmarks. Accounting for headings and a comment column, our example rubric will require eight rows and six columns.

(For ease of viewing, the steps below correspond to a sample rubric that appears on page 3 of this handout.)

- 1. Core Attributes should be entered in the leftmost columns, starting with row 2.
- 2. Performance Benchmarks should be entered into the top row, starting with column 2.
- 3. Optional:
  - a. The bottom row will be reserved for tallying points (if you use them).
  - b. Distribute points to each benchmark. Decide whether a student could receive a high grade for work that is deficient in one or more areas. For example, could an exemplary paper rife with spelling and grammar mistakes still receive an "A." Could a student with a "Below Expectations" rating on "Theoretical Framework" still get the equivalent of B or an A? Test and adjust your rubric point distribution to avoid these concerns.
  - c. The final cell in the top row will be reserved for qualitative feedback (optional).
- 4. Write measurable, objective descriptions of each core attribute at each of the different performance benchmarks.

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- a. Include quantitative data such as page counts, number or sources, or number of errors where applicable.
- b. Think carefully about qualitative descriptions to make sure they are clear to you and to students.
- 5. Look across all your performance benchmarks to evaluate them for consistency: Does each one build on the previous one? Do they use the same language and descriptors (often, but not always true)?
- 6. Test your rubric for consistency—try to "game" the system and get a passing grade for work that you as the instructor would say is not passing work. Try to give a student the equivalent of a C grade with exemplary or acceptable ratings on the most important core attributes.

### Before the Course Begins

When the rubric is complete, discuss it with any graders or teaching assistants who will be using it. Where warranted and time permits, consider training sessions with deidentified student work where all graders grade the same projects and then discuss and remediate any significant differences (e.g, some give passing grades and some failing grades to the same work). Discuss each core attribute and performance benchmark to build consistency.

#### At the Beginning of the Course

Post the rubric along with other assignment information in your course. At the time that you discuss the assignment with your students, you should ALSO discuss the rubric itself. Go over each Core Attribute and Performance Benchmark with them to develop a shared understanding of what you are looking for and how you will be grading. Tell students you expect them to self-assess their own work, and/or have them do peer reviews prior to submitting their completed work (recommended) so they have a chance to revise their work accordingly before you first see it.

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## Sample Rubric

	Unsatisfactory	Developing	Satisfactory	Exemplary	Comments
<b>Critical Thinking</b>	Hypotheses are present but	Hypotheses are present and	Number and quality of	All relevant hypotheses	
(25 points possible)	may be incomplete or loosely connected with the data.	consistent with the data (17-19 pts)	hypotheses are sufficient for the given case and clearly connected to data	clearly articulated and of high quality and prioritized effectively	
	(< 17 pts)	·	(20-22 pts)	( <mark>23-25 pts</mark> )	
Self-Directed	Sometimes recognizes gaps	Usually identifies gaps in	Routinely identifies gaps in	Routinely identifies gaps in	
Learning	in knowledge; objectives are superficial or lack relevancy	knowledge in order to develop relevant student learning	knowledge in order to develop relevant student	personal and group knowledge to develop	
(25 points possible)	(< 17 pts)	objectives	learning objectives	beneficial learning	
(25 points possible)		(17-19 pts)		objectives	
	2		(20-22 pts)	(23-25 pts)	
Health Systems	Rarely recognizes costs of health care as a barrier to	Usually recognizes costs of health care as a barrier to treatment	Considers cost of health care as a barrier and integrates	Considers cost of health care and adjusts treatment	
Thinking	treatment and care	and care and may integrate into	into care plans	options with respect to	
(25 points possible)	(< 17 pts)	care plans	(20-22 pts)	financial concerns	
		(17-19 pts)		(23-25 pts)	
Teaching	Little or no visual aids and	Makes attempt to use visual aids	Always uses visual aids or	Uses a variety of visual aids	
	relevant teaching strategies	or relevant teaching strategies	relevant teaching strategies	and relevant teaching	
(10 points possible)	(i.e. discussions, hands-on activities, quizzing)	(i.e. discussions, hands-on activities, quizzing)	(i.e. discussions, hands-on activities, quizzing)	strategies effectively (i.e. discussions, hands-on	
	uctivities, quizzilig)	uctivities, quizzing)	uctivities, quizzing)	activities, guizzing)	
	(< 6 pts)	(6-7 pts)	(8 pts)	activities) quizzing)	
				(9-10 pts)	
Group Learning	Rarely contributes ideas for	Sometimes provides ideas for	Often provides actionable	Routinely provides	
	group improvement or responds to the ideas of	group improvement and supports the ideas of others	ideas for group improvement and supports	actionable ideas for group improvement and actively	
(10 points possible)	others	the ideas of others	and solicits the ideas of	solicits and supports the	
	others	(6-7 pts)	others	ideas of others	
	(< 6 pts)				
			(8 pts)	(9-10 pts)	
Presentation	Presentation is disorganized;	Some attempt was made to	Presentation is organized;	Presentation is well-	
	significantly too long or too short.	organize presentation; significantly too long or too short	longer or shorter than allotted time	organized and clearly focused; within allotted time	
(5 points possible)	SHULL.	significantly too long of too short		· · ·	
	(< 2 mtc)	(2 nts)		(5 pts)	
	(< 3 pts)	(3 pts)	(4 pts)		
Total Points:					

Commented [SA2]: Elements are placed in column 1.

**Commented [SA3]:** Benchmarks are described with measurable, unbiased language. We suggest beginning with the top-level benchmark and work backward. Use the same language structure in each column, for each benchmark.

**Commented [SA4]:** Points or weights are assigned, testing to be sure they are distributed properly (in this example, a student could spell every single word incorrectly and still receive an "A").

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# Blank Rubric Template

	Benchmark 1	Benchmark 2	Benchmark 3	Benchmark 4	Comments
Element 1					
(X points possible)					
Element 2					
(X points possible)					
Element 3					
(X points possible)					
Element 4					
(X points possible)					
Element 5					
(X points possible)					
Presentation					
(X points possible)					
Total Points:					

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