

# Models in Engineering

## *Project Scoring Rubric*

### WEEK 3: JOINING SEVERAL MODELS TOGETHER

Criterion	Peer Assessment Feedback
Prompt	Please provide feedback (300 characters or less) for this project.
Points	
1	<b>Project submitted:</b> A response has been submitted for this assignment. Feedback is mandatory for this step.

Criterion	Choosing One Model or Several
Prompt	Identify an analysis for which your company uses or would like to use modeling from several domains, and identify whether a combined model or separate models makes sense.
Points	
3	<b>Complete:</b> Describes in some detail the chosen analysis. Makes an explicit choice about combined or separate models, regardless of how you currently perform this analysis. Description draws on the considerations from Week 3 to choose whether a combined approach would yield gains, or by contrast, whether the challenges of a combined model outweigh the benefits.
2	<b>Partially Complete:</b> Describes in some detail the chosen analysis. However, the description provided only gives the current state (not what you believe should be in place) or did not mention whether a combined model or individual models would be helpful.

1	<b>Incomplete:</b> Not enough information provided about the analysis or the choice of approach to evaluate.
0	<b>Not attempted:</b> No answer was provided. Sample essay is copied for submission.

Criterion	Challenges in Model implementation
<b>Prompt</b>	What are some of the challenges in implementing your chosen approach?
<b>Points</b>	
3	<b>Complete:</b> Provides at least one challenge and how it might have been introduced by the chosen approach. Also describes the impact of the challenge and how it affects decision-making capability.
2	<b>Partially Complete:</b> Provides example of one challenge that might be faced. Not enough detail provided about why it was introduced, the impact it might have, or how it affects decision-making ability.
1	<b>Incomplete:</b> The challenge is not quite clear, or is hard to discern from the response provided.
0	<b>Not attempted:</b> No answer was provided. Sample essay is copied for submission.

Criterion	Advantages of Modeling Strategy
<b>Prompt</b>	What you believe are the advantages of your chosen approach and their impact on the organization?
<b>Points</b>	
3	<b>Complete:</b> At least one advantage is provided. The impact of the advantage is also provided, i.e. what it means for your organization.
2	<b>Partially Complete:</b> An advantage is listed; however, no information is provided about the impact it might have on your organization.
1	<b>Incomplete:</b> It is not clear what the advantage is.
0	<b>Not attempted:</b> No answer was provided. Sample essay is copied for submission.

Criterion	Disadvantages of Modeling Strategy
<b>Prompt</b>	Identify the downsides of your chosen approach and the impact on the organization?
<b>Points</b>	
3	<b>Complete:</b> At least one disadvantage is provided. Also provided the impact of the disadvantage, i.e. what it means for your organization.
2	<b>Partially Complete:</b> A disadvantage is listed, however no information about the impact it might have on your organization is given.
1	<b>Incomplete:</b> It is not clear what the disadvantage is.
0	<b>Not attempted:</b> No answer was provided. Sample essay is copied for submission.

Criterion	Qualities of Great Models
<b>Prompt</b>	Evaluate how well you believe your approach satisfies the qualities of great models that you learned about? Describe how you will rate your model in terms of the below-mentioned qualities? For each of the 14 qualities of great models (Weeks 1 – 3), rate your proposed model(s) based on those qualities and also specify how it helps either satisfy or not satisfy those qualities.
<b>Points</b>	
3	<b>Complete:</b> Rating of the proposed model(s) is provided along with sufficient amount of detail about how the model helps either satisfy or not satisfy those qualities.
2	<b>Partially Complete:</b> The rating of the model for each of the 14 qualities is provided, but details about the model(s) are not provided as to how the model helps either satisfy or not satisfy it.
1	<b>Incomplete:</b> A summary description is provided, but the description does not rate the model on each of the 14 qualities.
0	<b>Not attempted:</b> No answer was provided. Sample essay is copied for submission.