

Dear students,

We would like to inform you that for our COE-C1003 – Dynamics course, we will be using specific assessment metrics to evaluate your performance and ability to solve given assignments. These metrics are designed to help you better understand the expectations we have for you, as well as to provide guidance on areas in which you can improve throughout the course.

The assessment metrics focus on four key criteria: Problem Identification, Conceptual Understanding, Problem-Solving Process, and Solution Presentation. By sharing these metrics with you in advance, our aim is to promote a transparent evaluation process. Using these metrics will encourage you to develop a deep understanding of the course material, follow a logical problem-solving process, and present your solutions clearly and effectively.

Please do not hesitate to reach out to us if you have any questions or concerns about the metrics or their use in our assessments.

Regards

Prof. Gary Marquis

## Assessment and Evaluation Metrics

	<b>Novice (0.5)</b>	<b>Developing (1)</b>	<b>Proficient (1.5)</b>	<b>Expert (2)</b>
<b>Problem Identification</b>	Struggles to identify the relevant principles and concepts needed to solve the problem.	Identifies some, but not all, relevant principles and concepts needed to solve the problem.	Correctly identifies the most relevant principles and concepts needed to solve the problem.	Accurately and thoroughly identifies all relevant principles and concepts needed to solve the problem.
<b>Conceptual Understanding</b>	Demonstrates limited understanding of the relevant principles and concepts.	Demonstrates a basic understanding of the relevant principles and concepts but has difficulty applying them to the problem.	Demonstrates a clear understanding of the relevant principles and concepts and can apply them to the problem.	Demonstrates a deep understanding of the relevant principles and concepts and can apply them to complex problems with ease.
<b>Problem-Solving Process</b>	Rarely follows a logical problem-solving process and has difficulty with multiple steps.	Follows a somewhat logical problem-solving process but struggles with some steps.	Follows a logical problem-solving process, with only occasional errors or omissions.	Consistently follows a clear, logical, and efficient problem-solving process without errors or omissions.
<b>Solution Presentation</b>	Presents a disorganized solution with numerous errors and limited clarity.	Presents a somewhat organized solution with some errors and moderate clarity.	Presents a well-organized solution with few errors and clear, concise explanations.	Presents an exceptionally organized solution with no errors and clear, concise, and precise explanations.

*Note: The criteria in the metrics shown above are to help you learn better. However, course instructors may use additional criteria, if needed, to evaluate students' learning better.*