

Building Enterprise Data Management Elearning Course Syllabus

Plan Ahead

The DMM elearning course encompasses a wide range of topics. Content is organized in ten modules that comprise the course. As a first time learner, you can get the most out of your learning experience by following this course syllabus.

Consider taking the course over a timeframe of three weeks. This syllabus will recommend how to separate the course into three parts for the following purposes:

- Break up course content: You will be able to read and process content more effectively by dividing the course into manageable sections.
- Reflection and analysis: A primary objective for the course is for you to become familiar with the core concepts of the DMM model. The reflection activities in this syllabus will help you understand these concepts within the context of your organization. These activities will also set the foundation for the next phase—application. The practical application aspect of the DMM model will be covered in future CMMI Institute offerings.

Syllabus: Part 1

Time to complete: Approximately 2 hours.

Suggested timeline: Take in 2 sessions over the course of a week. Take modules 1 and 2 together.

Module	Highlights	Approximate Completion Time
Module 1: Course Introduction	Objectives, navigation, completion criteria	15 minutes
Module 2: Model and Method	Themes, structure, capability levels, benefits of measurement	30 minutes
Module 3: Data Management Strategy	Five process areas: Data Management Strategy; Communications; Data Management Function; Business Case; Program Funding	1 hour, 15 minutes

Reflection Activity:

To effectively begin thinking of the DMM model within the context of your organization, you need to be able to differentiate what elements constitute the DMM model versus what elements do not. Identify three strategic need areas in your organization where implementing the DMM can make a tangible, measurable impact. Also, list three areas in need of improvement in your organization that would not be considered part of the DMM framework.

Syllabus: Part 2

Time to complete: Approximately 3 hours.

Suggested timeline: Take in 3 sessions over the course of a week.

Module	Highlights	Approximate Completion Time
Module 4: Data Governance	Three process areas: Governance Management; Business Glossary; Metadata Management	45 minutes
Module 5: Data Quality	Four process areas: Data Quality Strategy; Data Profiling, Data Quality Assessment; Data Cleansing	1 hour, 15 minutes
Module 6: Data Operations	Three process areas: Data Requirements Definition; Data Lifecycle Management; Provider Management	1 hour

Reflection Activity:

It is important to distinguish how and where your organization's data governance functions differ from its data quality functions. Outline and map your organization's data governance and data quality functions. Identify where they overlap, and think about how they could be shaped or reorganized to improve your organization's capability levels in both of these process areas.

Syllabus: Part 3

Time to complete: Approximately 3 hours.

Suggested timeline: Take in 3 sessions over the course of a week. Take modules 9 and 10 together.

Module	Highlights	Approximate Completion Time
Module 7: Platform and Architecture	Five process areas: Architectural Approach; Architectural Standards; Data Management Platform; Data Integration; Historical Data, Archiving, and Retention	45 minutes
Module 8: Supporting Processes	Five process areas: Measurement and Analysis; Process Management; Process Quality Assurance; Risk Management; Configuration Management	1 hour, 15 minutes
Module 9: Process Improvement	Identifying a process, change management elements, keys to successful process improvement	1 hour
Module 10: Course Summary and Conclusion	Course objectives review, category and process area review, resources, additional information	15 minutes

Reflection Activity:

You have learned about each process area for the DMM model separately. Remember that the collection of practices work together to ensure that your organization has addressed data management across all disciplines. Identify at least five dependencies and interrelationships between process areas that your organization needs to synthesize more effectively in order to operate at higher capability levels.