COURSE SYLLABUS

Requirements Analysis, Solution Assessment and Validation Course

Build analytical skills to evaluate proposed solutions, allocate requirements effectively, and verify readiness with structured validation approaches.

Group classes (Live Online) and onsite training are available for this course. For more information, email onsite@graduateschool.edu or visit: https://sdfm.graduateschool.edu/courses/requirements-analysis-solution-assessment-and-validation



CustomerRelations@graduateschool.edu • (888) 744-4723

Course Outline

Module 1: Requirements Analysis

- Learn how to define, organize, and verify solution requirements to ensure they meet stakeholder needs and business goals.
- Prioritize Requirements
  - Rank requirements by business value, risk, implementation difficulty, and urgency.
  - Use techniques like MoSCoW analysis, decision analysis, and risk analysis.
- Organize Requirements
  - Structure requirements using models and templates.
  - Identify interdependencies and ensure consistency across stakeholder perspectives.
- Specify and Model Requirements
  - Create textual, matrix, and visual models to represent requirements.
  - Include attributes and identify opportunities for business improvement.
- Define Assumptions and Constraints
  - Document factors that may impact solution feasibility.
  - Track and reassess assumptions and constraints throughout the project lifecycle.
- Verify Requirements
  - Conduct quality checks to ensure clarity, completeness, and feasibility.
  - Use checklists and stakeholder reviews to confirm readiness for validation.
- Validate Requirements
  - Ensure requirements align with business goals and deliver measurable value.
  - Define evaluation criteria and assess dependencies and opportunity costs.

Module 2: Solution Assessment and Validation

- Focus on evaluating proposed solutions, preparing for implementation, and measuring performance post-deployment.

- Assess Proposed Solution
  - Compare solution options against stakeholder needs and business value.
  - Use evaluation criteria and vendor assessments to guide selection.
- Allocate Requirements
  - Assign requirements to solution components and plan phased implementation.
  - Consider resource availability, dependencies, and organizational constraints.
- Assess Organizational Readiness
  - Evaluate cultural, operational, and technical preparedness for change.
  - Conduct stakeholder impact analysis and readiness assessments.
- Define Transition Requirements
  - Identify capabilities needed to move from current to future state.
  - Plan for data migration, parallel operations, and organizational change.
- Validate Solution
  - Confirm the solution meets requirements and addresses defects.
  - Use root cause analysis and problem tracking to improve performance.
- Evaluate Solution Performance
  - Measure actual performance against business objectives.
  - Use surveys, focus groups, and decision analysis to assess value delivered.