

Syllabus for ITM 735 Business Analysis and System Development

NOTE: This syllabus document contains the basic information for this course. The most current syllabus is available in the full course.

Prerequisites

None

Course Description

This course focuses on the importance, role, and techniques of the business analysis function in the modern IT organization. The course is organized around the six knowledge areas and associated techniques of the Business Analysis Body of Knowledge (BABOK) specified by the International Institute of Business Analysis.

Course Alignment with Program Outcomes

This course addresses the following competencies and program outcomes of the Master of Science in Information Technology Management:

Competency E: Investigate and plan innovative solutions for business challenges

- Program Outcome 14: Evaluate the impact of emerging technologies
- Program Outcome 15: Analyze data to address organizational challenges and create competitive advantages
- Program Outcome 16: Analyze requirements and propose technical solutions

Course Learning Objectives

At the end of this course, you will be able to:

1. Understand and perform the importance of, and problems associated with the business analysis effort in organizations.
2. Understand and perform the tasks and techniques used to organize and coordinate business analysis efforts.
3. Understand and perform the tasks and techniques used to prepare for, conduct elicitation activities, and confirm the results.
4. Understand and perform the tasks and techniques used to manage and maintain requirements and design information from inception to retirement.
5. Understand and perform the tasks and techniques used to identify the business need, address that need, and align the change strategy within the enterprise.
6. Understand and perform the tasks and techniques used to organize requirements, specify, and model requirements and designs, validate, and verify information, identify solution options, and estimate the potential value that could be realized.

7. Understand and perform the tasks and techniques used to assess the performance of and value delivered by a solution and to recommend improvements on increasing values.

Course Activities and Assessments

Course activities will include a variety of activities and assessments including discussions, individual and team assignments, unit reflection assignments, final reflection assignment, and final team presentation.

Course Outline

The course is organized into the following modules. (Check the course calendar for due dates.)

Unit 0. Introduction & BA Overview

- 0.1 BA: Who, What, When, Where, and Why
- 0.2 BA Perspectives and Big Concepts

Unit 1. Step 1 Understanding Stakeholders

- 1.1. Understand your Stakeholders

Unit 2. Step 2 Understand the Business Context

- 2.1. Understand the Business Context
- 2.2. Understand the Business Case and Business Context Techniques

Unit 3. Step 3 Plan the Business Analysis Work

- 3.1 Plan the Business Analysis Work

Unit 4. Step 4 Set the Initiative Scope

- 4.1 Setting Initiative Scope & Use Cases
- 4.2 Setting Initiative Scope Techniques

Unit 5. Step 5 Develop Solution Requirements & Design Definition

- 5.1. Develop Solution Requirements and Design Definition
- 5.2. Develop Solution Requirements and Design Definition Techniques

Unit 6. Step 6 Scope Management

- 6.1 Managing Scope
- 6.2 Manage Scope Techniques

Unit 7. Step 7 Evaluate the Solution

- 7.1 Evaluate the Solution

Unit 8. Business Analysis Leadership

- 8.1 Business Analysis Leadership

Grading

Course Grading: Grades will be assessed using a variety of methods including discussions, individual and team assignments, unit reflection assignments, final reflection assignment, and final team presentation.

Assignments	Weight
Discussions	25%
Individual Assignments	25%
Team Assignments	25%
Unit Reflections	5%
Final Reflection	10%
Final Team Presentation	10%
Total	100%

GRADE SCALE: The grade assigned is based on scores of launch and landing discussions, interview exercises and discussions, projects, and knowledge checks.

Grade	Percentage
A	93.0 – 100.0
A-	90.0 - 92.99
B+	87.0 - 89.99
B	83.0 - 86.99
B-	80.0 - 82.99
C+	77.0 - 79.99
C	73.0 - 76.99
C-	70.0 - 72.99
F	0-69%