

Course Syllabus for DS 715: Data Warehousing

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

Course Description

DS 715 introduces the concepts and techniques to work with and reason about subject-oriented, integrated, time-variant, and nonvolatile collections of data in support of management's decision-making process.

Course Objectives

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

- Collect, clean, and prepare data.
- Evaluate data in terms of source, volume, frequency, and flow.
- Identify and classify relevant variables for data science tasks.
- Choose and apply tools and methodologies to solve data science tasks.
- Assess the model used to solve data science tasks.
- Interpret data, extract meaningful information, and assess findings.

Course Components

- **Quizzes:** Most weeks include a quiz of 15-30 questions covering that week's course content, readings, and videos. Please see the Course Calendar page for due dates. All quizzes are not timed, but you are allowed only one attempt (no retakes), so please do not attempt the quiz until you have thoroughly worked through the week's material. The quizzes are graded automatically, so you should receive your score immediately.
- **Assignments:** The assignments allow you to put into practice the SQL skills presented throughout the course. You will receive more information about these assignments as they become available.
- **Discussions:** Discussions are your opportunity to ask questions of, contribute to, and learn from your peers and instructor. Every lesson includes a discussion forum (part of your participation grade) where you can ask questions about the lesson's material.

Grading Policy

Your mastery of course content is assessed using a variety of methods:

Activity	Percentage of Grade
Quizzes	30%
Assignments	30%
Participation	10%
Exams	30%
Extra Credit	up to 10%
Total	up to 110%

Final grades are assigned using the following scale:

A 90-100%

B 80-89%

C 70-79%

D 60-69%

F At or below 59%