

Spokane Falls Community College
COURSE LEARNING OUTCOMES AND OUTLINE

Prefix and Course Number
Course Title

ISIT 332
DATA WAREHOUSING

Last Modified: Winter 2016

Course Learning Outcomes

By the end of this course, a student should be able to:

- Recognize the importance of data, their managerial issues, and their life cycle
- Describe the sources of data, their collection, and quality issues
- Relate data management to multimedia and document management
- Explain the operation of data warehousing and its role in decision support
- Demonstrate their understanding of the fundamental theories and concepts of data warehouse
- Demonstrate their understanding of the fundamental theories and concepts of data mining
- Demonstrate their ability to conduct dimensional modeling
- Demonstrate their ability to conduct data extraction, transformation and loading (ETL)
- Demonstrate their ability to conduct online analytic processing (OLAP)

Course Outline

1) Data Warehouse Concepts

- a) Benefits
- b) Strategies

2) Oracle

- a) Install and Configure
- b) Import and Export Data
- c) Multimedia and Document Management

3) MS SQL Server

- a) Install and Configure
- b) Import and Export Data
- c) Multimedia and Document Management

4) Jaspersoft

- a) Install and Configure
- b) Data Extraction
- c) Data Modeling

5) Data Mining

- a) Concepts
- b) Common Strategies
- c) Applied Strategies