



Abhishek Sharma

312-915-6183, asharma2@luc.edu

Room 423

16 East Pearson, Chicago, IL 60611

Office Hours: Fridays 3-4 PM

INFS796, Data Warehousing, Winter, 2018
Fridays 6:00 – 9:00 PM, 16 EAST Pearson Room 525

Catalog Description

- This course covers current concepts, components and design issues related to data warehouses and business intelligence techniques for extracting meaningful information from data warehouses. Oracle, Informatica, Tableau tools will be used to demonstrate design, implementation, and utilization issues. Prerequisites: INFS/ISOM 492

Course Overview

- This course includes lectures and tests.

Course Objectives and Learning Outcomes

- Understanding of concepts and development steps related to Data Warehouse.
- Proficiency in modeling, development, and use of data Warehouse.

Textbooks

- Jukić, Vrbsky, Nestorov: "Database Systems – Introduction to Databases and Data Warehouses", Publisher: Pearson (Required)

Software:

- - ERDPlus, Oracle, Tableau, VMWARE Player

Course Requirements and Grading Criteria

Midterm	100 points
HW1	25 points
HW2	25 points
Final Exam	150 points

Course Grading Scale

A	Above 275		
A-	Above 269	to	275
B+	Above 263	to	269
B	Above 245	to	263
B-	Above 239	to	245
C+	Above 233	to	239
C	Above 215	to	233
C-	Above 195	to	215
D+	Above 188	to	195
D	Above 180	to	188
F	Above 0	to	179

HW Assignment Submission:

Two homework worth 50 points each.

Additional notes:

- Check your grades often in the grade book on Sakai.
- Office hours' visits are encouraged and welcomed. Stop by as many times as you wish. If you are experiencing any problems do not hesitate to come to the office hours (or schedule an appointment). Also, feel free to visit during office hours to get advice on follow up classes, discuss career choices, or simply introduce yourself.
- Before you start with any HW assignment, first download all the necessary files onto your computer or flash drive (do not open the files directly from the Sakai site).
- Use e-mail judiciously (in general, e-mail is to be used for short messages, such as scheduling an appointment or requesting clearing of inadvertently submitted files). If you need concrete help with a HW assignment, please come to the office hours.

Final Exam: Friday (2/15/2019)

Quinlan School of Business Policies:

Attendance

Class attendance and participation are fundamental components of learning, so punctual attendance at all classes, for the full class meeting period, is expected of Quinlan students.

Make-Up Examinations

Loyola University academic policy provides that tests or examinations may be given during the semester or summer sessions as often as deemed advisable by the instructor. Because Quinlan faculty believes examinations represent a critical component of student learning, required examinations should be taken during the regularly scheduled class period. **Make-up examinations are discouraged.** Exceptions may be granted only by the faculty member or department chair, and only for unavoidable circumstances (illness verified by a signed physician's note, participation in intercollegiate athletic events, subpoenas, jury duty, military service, bereavement, or religious observance). A make-up final examination may be scheduled only with the permission of the appropriate Quinlan Assistant or Associate Dean.

For a student with a documented special testing need, please consult University policy concerning use of the testing center in Sullivan Center at Lake Shore Campus.

Academic Integrity

All members of the Quinlan School shall refrain from academic dishonesty and misconduct in all forms, including plagiarism, cheating, misrepresentation, fabrication, and falsehood. Plagiarism or cheating on the part of the student in individual or group academic work or in examination behavior will result minimally in the instructor assigning the grade of "F" for the assignment or examination. In addition, all instances of academic dishonesty must be reported to the chairperson of the department involved.

For further information about expectations for academic integrity and sanctions for violations, consult the complete Quinlan School of Business Honor Code and Statement of Academic Integrity on the Quinlan website:

<http://www.luc.edu/media/lucedu/quinlanschoolofbusiness/pdfs/Honor-Code-Quinlan-July2012.pdf>

Notes:

This class may occasionally deviate from the stated course outline below.

The instructor reserves the right to make changes as needed to the course syllabus.

Any issue that is not described in this syllabus will be resolved at the sole discretion of the instructor.

Class by Class/Week by Week Course Outline (Tentative)

<i>Week No</i>	<i>Quizzes (multiple choice, T/F) and Exams (problems, essays)</i>	<i>Text Book Lectures</i>	<i>DUE</i>
11/09		Concepts (Dimensional Modeling) Chapter 7,8	
11/16		Concepts (Dimensional Modeling) Chapter 8,9	
11/30		Concepts (Dimensional Modeling) Chapter 8,9	
12/7		Concepts (Dimensional Modeling) Chapter 9	
12/14		ETL Infrastructure/Design	
1/18	Midterm Exam		
1/25		ETL Infrastructure/Design	
2/1		Tableau, Analytical SQL Methods, Stored Procedures.	
2/8		Big Data, Hadoop/MapReduce/Few More Things.	
2/15	Final Exam		

S