



**Dr. Svetlozar Nestorov**

312-915-7103, [snestorov@luc.edu](mailto:snestorov@luc.edu)  
Schreiber 619, 16 East Pearson, Chicago, IL 60611

**Office Hours:**

Tuesday 4pm – 5pm  
Thursday 4pm – 6pm

**INFS799 Special Topics in Information Systems, Winter 2017**  
**Thursday 6pm– 9pm, Corboy 207**

**Catalog Description**

- The amount of data that our world generates is growing at a torrid pace. Sifting through and making sense of these humongous mountains of data is crucial to ensuring business growth and success and to making scientific discoveries and advancements. Data visualization plays an increasingly important role in this process. This course surveys the latest data visualization techniques, trends, topics, and tools including database reporting, OLAP/BI packages, in-database analytics, and SQL analytical functions.

**Course Overview**

- This course includes lectures, homework assignments, quizzes, and projects.

**Course Objectives and Learning Outcomes**

- Students will be able to process and visualize large amounts of data in order to enable efficient and effective analysis using industry-standard software.

**Recommended Textbooks/Materials**

“Show Me the Numbers: Designing Tables and Graphs to Enlighten” – June 1, 2012  
by Stephen Few  
ISBN-13: 978-0970601971 ISBN-10: 0970601972 Edition: 2nd

“The Visual Display of Quantitative Information” Hardcover – May, 2001  
by Edward R. Tufte  
ISBN-13: 858-0001045689 ISBN-10: 0961392142 Edition: 2nd

**Course Requirements and Grading Criteria**

Homework Assignments	- 30%
Quizzes	- 30%
Projects	- 30%
Participation	- 10%

**HW Assignments:**

HW assignments are due before midnight on the due date. All HW assignments must be submitted via Sakai. **YOU CANNOT SHARE ANY PART OF YOUR HW FILES WITH ANY OTHER STUDENT. EVERY STUDENT MUST WORK INDIVIDUALLY ON THEIR OWN FILES. ANY INSTANCE OF SHARING OF HW FILES (OR ANY PARTS OF HW FILES) WILL BE GROUNDS FOR SERIOUS DISCIPLINARY ACTION AGAINST ALL PARTIES INVOLVED.**

Late submission policy: no late assignments accepted.

**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, 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.*

## **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 believe 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://luc.edu/media/lucedu/quinlan-graduate/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.

## Daily Course Outline (Tentative and subject to change)

<i>Date</i>	<i>Exams &amp; Quizzes</i>	<i>Topics</i>	<i>Project</i>	<i>DUE</i>
Thursday Nov 10		Introduction		
Thursday Nov 17		Graphical Practice		HW 1
Thursday Dec 1		Graphical Design		HW 2
Thursday Dec 8	<b>Quiz 1</b>	Tableau Overview		
Thursday Dec 15		Interactive Top-K Charts, parameters	Project Part 1	HW 3
Thursday Jan 19		Metadata organization, filters		HW 4
Thursday Jan 26		Data blending, sets		HW 5
Thursday Feb 2		Table Calculations		HW 6
Thursday Feb 9	<b>Quiz 2</b>	Information Dashboards		
Thursday Feb 16		Final Project Presentations	Final Project	