

IS 215 Analysis and Design Techniques Fall 2017

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Office; Phone:	CDM 738; 312-362-5841
Office Hours (Room):	Mondays: 1:00pm – 2:30pm (CDM 738)
Class Day & Time:	Mondays & Wednesdays: 3:10pm– 4:40pm
Section Numbers:	401 (on-campus section) & 410 (online section)
Class Room:	Class number for the regular classes: LEWIS 1105 (Loop Campus)

Course Description

- This course presents a structured approach to analysis and design of an information system for a business. The systems development life cycle will be defined and described. Process descriptions, user and task analysis for interface development, prototyping, data flow and entity relationship diagramming will be presented.
- Prerequisite: None

Learning Outcomes

- Students will be able to explain software development life cycle and why it is important.
- Students will be able to explain project management in support of system analysis projects.
- Students will be able to develop a business case and system requirements.
- Students will be able to develop process models, such as data flow diagrams (DFDs) and context diagrams.
- Students will be able to explain object modeling.
- Students will be able to develop Entity-Relationship Diagrams (ERDs).

Required Textbook

- Tilley, Scott. and Rosenblatt, Harry. J., (2017). *Systems Analysis and Design*, 11th Edition, ISBN-10: 1-305-49460-1; ISBN-13: 978-1-305-49460-2, Cengage Learning.

Grading

- 45% Assignments (10 assignments, 4.5% each)
- 18% Quizzes (9 mandatory quizzes, 2% each)
- 12% Closed Book Exam 1 (there will be no make-up exam)
- 16% Closed Book Exam 2 (there will be no make-up exam)
- 9% Class Participation (this is for on-campus students only. For online students, this score will be added to the Quizzes, increasing the value of each quiz to 3%).

Grading Scale: A: 93-100; A-: 90-92; B+: 87-89; B: 83-86; B-: 80-82; C+: 77-79; C: 73-76; C-: 70-72; D+: 67-69; D: 60-66; F: 0-59.

Class Participation

On-campus students are expected to attend each class and to remain for the duration. The overall grade for participation drops one-third after any absence. Three absences for any reason, whether excused or not, may constitute failure for the course.

Students are accountable for material covered and assignments/announcements made in any class sessions that they miss. Students are expected to be active learners, coming to class prepared to participate in discussion of the topics under consideration, asking good questions and making valuable observations.

Furthermore, **the classes are NO LAPTOP zones**. Therefore, unless instructed by the instructor, students are not allowed to use their laptops during the class. Failing to follow this policy results in penalties toward class participation credit.

Class participation credit is for on-campus students only. For online students, this score will be added to the Quizzes, increasing the value of each quiz to 3%.

Assignments & Exams Information

- **Closed Book Exams & Quizzes:**

There are two closed book exams in this course: closed-book exam 1 (chapters 1, 2, 4, 5, and 6) and closed-book exam 2 (chapters 3, 7, 8, and 9), as explained in the course schedule at the end of this course syllabus document. The exams will be administered online, via D2L, for on-campus students. Exams should be proctored for online students via COL.

Note the date, time, and location for the exams in the course schedule at the end of this document.

There is also one mandatory quiz per each chapter of the textbook on D2L (total of 9 quizzes). Quizzes can help you prepare for the closed book exams. The exam questions will be comparable with quiz questions in terms of format, level of difficulty, and focus. The credit for each mandatory quiz is 2% for on-campus students (total of 18%) and 3% for online students (total of 27%). Each quiz can be taken for a maximum of 2 times and the highest score will be considered for grading.

- **Assignments:**

There is one mandatory assignment for each chapter plus a mandatory hands-on Lab Assignment (10 assignments in total). Assignments include case-style questions from the content of the pertinent chapter to enable the students to apply their knowledge of the chapter to a more practical context.

Assignments must be completed in their word files and submitted to D2L by the deadlines as explained in the course schedule at the end of this document. Each assignment is worth 4.5% credit (total of 45% credit for 10 assignments). All assignments are Turnitin submissions, which means that they are automatically checked for plagiarism.

Submission Timeliness (Important Note)

- All submissions in this course must be in an electronic format and should be submitted to D2L. Also, always keep a copy of your assignments for yourself in case they are not submitted correctly. No hardcopy and/or emailed submission is accepted.
- In order to maintain a good performance in this course, it is crucial to submit the deliverables on time. Deliverables are due on a specified date and time, as stated in the course schedule, at the end of this document, unless an extension/exception is announced.
- Late assignments will be subject to **10% penalty for each day of late submission** (i.e., from one second to 24 hours late). **Assignments that are more than THREE days late will NOT receive any credits.**
 - This policy is strictly enforced, unless I am informed of a documented emergency at least 24 hours before the deadline (i.e., all health problems should be supported by a proper doctor note).
 - The only exception is Group Project Presentation and Report, where NO late submission will be accepted.
 - It is students' responsibility to know when the assignments are due (see the course schedule, at the end of this document).
 - The assignment submission folder on D2L will automatically close three (3) days after the submission deadline. Once a Dropbox is closed, no submission will be accepted.

Academic integrity and plagiarism

- There will be **ZERO tolerance** for any type of plagiarism in this course.
- The use of others' publication, software and/or web content (text, graphics, codes) is regarded as plagiarism without giving credit.
- When you directly quote someone's work, you must put it in quotation marks followed by its reference.
- The use of materials prepared for purposes other than this course needs the instructor's prior permission.
- Please familiarize yourself with the university's academic integrity policy: <http://academicintegrity.depaul.edu>.

Changes to Syllabus

This syllabus is subject to change as necessary during the quarter. If a major change occurs, it will be addressed during class and posted via Announcements in D2L.

Online Course Evaluations

- Evaluations are a way for students to provide valuable feedback regarding their instructor and the course. Detailed feedback will enable the instructor to continuously tailor teaching methods and course content to meet the learning goals of the course and the academic needs of the students.
- The evaluations are anonymous; the instructor and administration do not track who entered what responses. A program is used to check if the student completed the evaluations, but the evaluation is completely separate from the student's identity. Since 100% participation is our goal, students are sent periodic reminders over three weeks. Students do not receive reminders once they complete the evaluation.
- Students will complete the course evaluation online in Campus Connect.

Academic Policies

- All students are required to manage their class schedules each term in accordance with the deadlines for enrolling and withdrawing as indicated in the University Academic Calendar.
- Information on enrollment, withdrawal, grading and incompletes can be found at: <http://www.cdm.depaul.edu/Current%20Students/Pages/PoliciesandProcedures.aspx>

Civil Discourse

DePaul University is a community that thrives on open discourse that challenges students, both intellectually and personally, to be [Socially Responsible Leaders](#). It is the expectation that all dialogue in this course is civil and respectful of the dignity of each student. Any instances of disrespect or hostility can jeopardize a student's ability to be successful in the course. The professor will partner with the Dean of Students Office to assist in managing such issues.

Students with Disabilities

Students who feel they may need an accommodation based on the impact of a disability should contact the instructor privately to discuss their specific needs. All discussions will remain confidential. To ensure that you receive the most appropriate accommodation based on your needs, contact the instructor as early as possible in the quarter (preferably within the first week of class), and make sure that you have contacted the Center for Students with Disabilities (CSD) at: csd@depaul.edu.

Lewis Center 1420, 25 East Jackson Blvd.

Phone number: (312)362-8002

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Tentative Course Schedule (subject to change)

Week & Date		Class Focus & Content	Deliverables <i>Due at 11:59 PM (CT)</i> <i>(See the Due Dates below)</i>	
1	6 Sep	1. Introduction to the Course 2. Introduction to Systems Analysis and Design – Chapter 1		
2	11, 13 Sep	1. Introduction to Systems Analysis and Design – Chapter 1 (Continued) 2. Analyzing the Business Case – Chapter 2	1. Chapter 1 Quiz 2. Chapter 1 Assignment 3. Chapter 2 Quiz 4. Chapter 2 Assignment	17 Sep
3	18, 20 Sep	Requirements Modeling – Chapter 4	1. Chapter 4 Quiz 2. Chapter 4 Assignment	24 Sep
4	25, 27 Sep	Data & Process Modeling – Chapter 5	1. Chapter 5 Quiz 2. Chapter 5 Assignment	1 Oct
5	2, 4 Oct	Object Modeling – Chapter 6	1. Chapter 6 Quiz 2. Chapter 6 Assignment	8 Oct
6	9 Oct	Review of Chapters 1, 2, 4, 5, and 6 for the Midterm Exam		
	11 Oct	<u>Meet at CDM 658 (computer lab)</u> Closed Book Exam 1 (via D2L for on-campus students) from Chapters 1, 2, 4, 5, and 6.		
7	16, 18 Oct	Development Strategies – Chapter 7	1. Chapter 7 Quiz 2. Chapter 7 Assignment	22 Oct
8	23, 25 Oct	Data Design – Chapter 9	1. Chapter 9 Quiz 2. Chapter 9 Assignment	29 Oct
9	30 Oct	<u>Meet at CDM 658 (computer lab)</u> Hands-on Lab Assignment	Hands-on Lab Assignment	5 Nov
	1 Nov	Managing Systems Project – Chapter 3		
10	6, 8 Nov	1. Managing Systems Project – Chapter 3 (Continued) 2. User Interface Design – Chapter 8	1. Chapter 3 Quiz 2. Chapter 3 Assignment	12 Nov
11	13, 15 Nov	1. User Interface Design – Chapter 8 (Continued) 2. Review of Chapters 3, 7, 8, and 9 for the Closed Book Exam 2	1. Chapter 8 Quiz 2. Chapter 8 Assignment	19 Nov
12	20 Nov	<u>Meet at CDM 658 (computer lab) at 2:30 pm</u> Closed Book Exam 2 (via D2L for on-campus students) from Chapters 3, 7, 8, and 9.		