

IS 372 Syllabus

Software Project Management

This course focuses on the concept and techniques of project management for a broad range of systems, including Web-based application development. Topics include resource management, organizational factors, project manager responsibilities, team building, and risk management. Tools and techniques for project estimating and scheduling will be presented.

The Learning Objectives of this course provide that upon completion students will:

- Demonstrate conversational knowledge of key IT Project Management concepts and terminology
- Define the roles and duties and responsibilities of IT Project Managers
- Learn how to manage and staff IT Project Teams
- Learn how to manage stakeholder expectations
- Apply project management concepts and techniques to an IT project
 - Project Scope Management
 - Project Schedule Management
 - Project Cost/Budgeting
- Identify issues that could lead to IT project success or failure
 - Project Risk Management
- Explain project management in terms of the software development process.
- Describe the characteristics and features of the agile approach for IT projects
- Compare/contrast the process of IT project management between the waterfall and agile approaches
- Develop a project plan for the development of a commonly used information system

This course deals with the project management and business aspects of IT. Many project management topics will be covered. Note that the syllabus may be updated as needed during the course of the quarter.

It is understood that some students already have experience or expertise in specific subsets of the course material. The intention is to bring everyone up to speed on all of these topics to better enable students to excel in their respective program and in their future careers.

Fall 2021-2022

Class Meets: **Wednesday nights 5:45 -9pm at LEWIS 01511**

Learning Management System: D2L found at <https://d2l.depaul.edu>

Prerequisite: IS 215

Text:

Information Technology Project Management, 9th Edition

Kathy Schwalbe

ISBN-10: 1-337-10135-4

ISBN-13: 978-1-337-10135-6

SCRUM IN EASY STEPS

Author: MORRIS, Publisher: INGRAM PUB, Edition: 2017,

ISBN 9781840787313

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Software:

General-purpose tools such as Word, Excel, and PowerPoint should be good enough.

If you wish to purchase project scheduling tool such as MS Project, it can be purchased here:

<https://offices.depaul.edu/information-services/services/Software/Pages/Software-for-Personal-Computers.aspx>

Any additional reading assignments will be made from the Web, and posted articles on D2L.

There will be significant reading and research during this class.

Online Learning: D2L will be used as the LMS tool. Online students earn participation credit by participating in the online discussion boards. Each week I will ask you to discuss a topic relevant to that evening's lecture. Students should be conversing with one another to get credit with in class students and other online students. I expect each student to give me their insight on the topic at hand and respond to two other (online or in class) student's post. Unexcused absences for in-class students are not acceptable. A portion of your final grade is dependent on this!

Weekly Topics:*

1. Introduction to Project Management
2. Project Management process groups and Project Management integration
3. Project Scope and cost management
4. Project time and schedule management
5. Midterm exam,
6. Project Quality Management, Project Communication Management
7. Agile principles, core concepts , Project HR Management
8. Deep dive into Scrum (roles, artifacts, ceremonies)
9. Project Risk, Procurement and Stakeholder Management
10. Presentations
11. Final Exam

*Syllabus and topics are subject to change.

Assignments/Grading:

Note: Any assignment, paper, discussion or exam turned in late will suffer a deduction of points. It is important that you adhere to the due dates.

The guidelines are:

• < 12 hrs late = 0% deduction (full points)	• 1-3 days late = 20% deduction
• 12 hours-24 hours late = 10% deduction	• > 3 days (72 hours) = 50% deduction

1. **Assignment #1:** (Individual) - Leadership Effectiveness assessment survey and paper - **5%**
2. **Assignment #2:** (Team of 2 students) Develop Business Case & Scope for an IT Software Project -**5%**
3. **Assignment # 3:** (Team of 2 students) Develop the Schedule and WBS for an IT Software Project– **5%**
4. **Assignment # 4:** (Team of 2 students) Develop Project Cost Management Plan– **5%**
5. **Assignment # 5:** (Team of 2 students) Develop Project Communications Management Plan – **5%**

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6. **Assignment # 6:** (Team of 2 students) Develop Project Risk Management Plan– **5%**
7. **Mid Term Exam-** Week 5 - Multiple Choice – **20%**
8. **Final Presentation-**(Team of 2 students) - Week 10 – **15%**
9. **Final Exam** – Week 11 – Multiple Choice – **20%**
10. **Reflection Essay:** (Individual) At the end of the class you will be asked to write a reflection essay. It will consist of any personal insights you have gained from the course- **5%**
11. **Class attendance, participation and discussions** – **10%**

Grading

A	=	93% - 100%	C+	=	78% - 79.99%
A-	=	90% - 92.99%	C	=	73% - 77.99%
B+	=	88% - 89.99%	C-	=	70% - 72.99%
B	=	83% -87.99%	D+	=	68% - 69.99%
B-	=	80% -82.99%	D	=	60% - 67.99%
			F	=	0% - 59.99%

Note: Incompletes are usually not given unless there is an emergency situation. Incompletes require CDM administration approval, and are not solely up to the Instructor.

Academic Integrity Policy

This course will be subject to the faculty council rules on the [Academic Integrity Policy](#)

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>

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.

The Center for Students with Disabilities (CSD) is located at
25 East Jackson Boulevard, Suite 1420

Chicago, IL 60604-2287

P: 312.362.8002

E: csd@depaul.edu

Instructor: **Rajeev Kumar**

Email: Rajeev.Kumar@depaul.edu

Office Hours are Wednesdays: 9-10pm (Online via Zoom after Class). Text me first so we can mutually agree.

Note: In practice I am always available via email or text and through Zoom.

We can also arrange a mutual time for a meeting in person if necessary.

Phone number/text: 312-498-5105