Computer Science (COMP) 605

Project Management for Information Systems (Revision 7)

Status:	Replaced with new revision, see the **course listing** ⧉ for the current revision ⊗
Delivery mode:	**Grouped study** ⧉ with **eText** ⧉
Credits:	3
Area of study:	Information Systems
Prerequisites:	None
Precluded:	None
Faculty:	**Faculty of Science and Technology** ⧉

Notes:	This is a graduate level course and students need to apply and be approved to one of the graduate programs or as a non-program **School of Computing and Information Systems** ⤤ graduate student in order to take this course. Minimum admission requirements must be met. Undergraduate students who do not meet admission requirements will not normally be permitted to take this course.
Instructor:	**Dr. Stella George** ⤤

Overview

Computer Science 605 provides practitioners who have current information technology skills with an understanding of the theory and practice of project management through an integrated view of the concepts, skills, tools, and techniques involved in the management of information technology projects. Much of the knowledge needed to manage projects is unique to the discipline of project management. Project managers must also have knowledge and experience in general management and must understand the applicability of the project in order to work effectively with specific industry groups and technologies.

COMP 605 focuses on information technology projects. While IT project managers are generally selected because of their expertise in information technology, they generally spend more time becoming better project managers, and less time being information technology experts.

Outline

- Unit 0: Overview of the Course

- Unit 1: Project Management Framework
    - Module 1.1—Introduction to Project Management
    - Module 1.2—Project Management Context
    - Module 1.3—Project Management Processes

- Unit 2: Project Management Knowledge Areas
    - Module 2.1—Project Integration Management
    - Module 2.2—Project Scope Management
    - Module 2.3—Project Time Management
    - Module 2.4—Project Cost Management
    - Module 2.5—Project Quality Management
    - Module 2.6—Project Human Resource Management
    - Module 2.7—Project Communications Management
    - Module 2.8—Project Risk Management
    - Module 2.9—Project Procurement Management
    - Module 2.10—Project Stakeholder Management

Learning outcomes

Many of the students of *COMP 605* will be well-versed in various information technologies. This course is modeled after the *Project Management Body of Knowledge* (PMBOK), and discusses project management issues and skills from an integrated organization or management point of view. After completing this course, students will be able to:

- manage information technology projects from a new perspective, in addition to their technical view;

- integrate and apply management and technology skills to lead or participate in successful information technology projects;

- analyze the general issues and skills involved in information technology projects;

- demonstrate the impact of the current trends in information technology on project management;

- identify the *Project Management Body of Knowledge*, as agreed upon by established practitioners;

- prepare to pursue a PMP designation;

- master a software tool to assist in project management, for example MS Project software; and

- practise collaborative work in preparation for information technology projects

Evaluation

To **receive credit** ⤤ for COMP 605, you must achieve a cumulative course grade of **B- (70 percent)** 🗎 or better, and must achieve an average grade of at least 60% on the assignments. Your cumulative course grade will be based on the following assessment.

Activity	Weight
Assignment 1—Literature Review Paper	20%
Assignment 2—Presentation and Discussion about Literature Review Paper	20%
Assignment 3—Project Management Tool Exercise	10%
Assignment 4—Discussions on Real-Life Project Management Experiences	15%
Assignment 5—Group Project	35%
Total	**100%**

Materials

Schwalbe, K. (2018). *Information technology project management* (9th ed.). Boston, MA: Course Technology, Cengage Learning. 🖱 (eText)

Project Management Institute. (2017). *A guide to the project management body of knowledge (PMBOK® Guide)* (6th ed.). Newton Square, PA: Project Management Institute. 🖱 (eBook)

eText

Registration in this course includes an electronic textbook. For more information on **electronic textbooks** ↗, please refer to our **eText Initiative site** ↗.

Other Materials

Athabasca University's learning management system (LMS) will deliver the remaining learning materials for *COMP 605* through Moodle. Online course materials include:

1. *Computer Science 605 Study Guide*

2. Detailed descriptions of the requirements for the assignments

3. Discussion forums

4. A course evaluation form

5. Links to resources of the World Wide Web and digital libraries.

Course Workload

This course schedule is based on working approximately 15–20 hours per week, which would best translate into:

- Readings = 6–7 hours /week

- Online discussion and/or assignments = 9–13 hours/week

Special Course Features

COMP 605 is offered in computer-mediated communications (CMC) mode, and can be completed at the student's workplace or home. It is a required course in the MSc in Information Systems program and an elective course in the Graduate Certificate in Information Technology Systems program.

Special Note

Due to the nature of the course activities, students registered in this course will NOT be allowed to apply for a course extension.

Important links

> **Future Course Offerings** ⇗

> **Important Dates and Deadlines** ⇗

> **MScIS Contact Information** ⇗

Opened in Revision 7, April 11, 2019

Updated October 9, 2024

View **previous revision** ⇗