



**DEPARTMENT OF SCIENCE
COURSE OUTLINE – CS3610 FALL 2014
SYSTEMS ANALYSIS AND DESIGN**

INSTRUCTOR: Dr. George Ding **PHONE:** 780-539-2031
OFFICE: C407 **E-MAIL:** gding@gprc.ab.ca

OFFICE HOURS: Tuesday 10:00-11:30 and Friday 10:00-11:30

PREREQUISITE: CS1140

REQUIRED TEXT/RESOURCE MATERIALS:

The text for this course is *Systems Analysis and Design with UML Version 2.0: An Object-Oriented Approach, 4th Edition* by Alan Dennis, Barbara Haley Wixom, & David Tegarden, ISBN 978-1-118-03742-3.

CALENDAR DESCRIPTION:

By means of lectures and CASE studies you will be introduced to the methods used by Systems Analysts in determining the information needs of an organization. A systems development life cycle will be discussed in detail.

CREDIT/CONTACT HOURS: 3 credits/75 contact hours

DELIVERY MODE(S):

This course includes 3-hour lecture and 2-hour lab per week:

Lecture:	A2	G111	Wed	13:00 – 14:20
			Fri	13:00 – 14:20
Lab:	L1	G112	Fri	14:30 – 16:20

TRANSFERABILITY: AU, KUC.

** Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions. Students are cautioned that it is their responsibility to contact the receiving institutions to ensure transferability.

GRADING CRITERIA:

GRANDE PRAIRIE REGIONAL COLLEGE			
GRADING CONVERSION CHART			
Alpha Grade	4-point Equivalent	Percentage Guidelines	Designation
A ⁺	4.0	90 – 100	EXCELLENT
A	4.0	85 – 89	
A ⁻	3.7	80 – 84	FIRST CLASS STANDING
B ⁺	3.3	77 – 79	
B	3.0	73 – 76	GOOD
B ⁻	2.7	70 – 72	
C ⁺	2.3	67 – 69	SATISFACTORY
C	2.0	63 – 66	
C ⁻	1.7	60 – 62	
D ⁺	1.3	55 – 59	MINIMAL PASS
D	1.0	50 – 54	
F	0.0	0 – 49	FAIL
WF	0.0	0	FAIL, withdrawal after the deadline

EVALUATIONS:

Assignments	15%
Quizzes	15%
Midterm Test I	20%
Midterm Test II	20%
Final Exam	30%

STUDENT RESPONSIBILITIES:

Students are responsible for all lecture material, labs and readings. If the midterm is missed due to illness the weight will be put on the final. If the final is missed due to illness it will be deferred. A doctor's note and a phone message or email will be required in both cases.

STATEMENT ON PLAGIARISM AND CHEATING:

Please refer to https://www.gprc.ab.ca/files/forms_documents/Student_Misconduct.pdf for details of GPRC's policy regarding plagiarism, cheating and the resultant penalties. These are serious issues and will be dealt with severely.

COURSE SCHEDULE/TENTATIVE TIMELINE:

Week 1	Introduction and Chapter 1
Week 2	Chapters 1-2
Week 3	Chapters 2-3
Week 4	Chapter 3
Week 5	Chapters 3-4
Week 6	Chapter 4 and Midterm I
Week 7	Chapter 5
Week 8	Chapter 6
Week 9	Chapter 7
Week 10	Midterm II and Chapter 8
Week 11	Chapters 9-10
Week 12	Chapters 10-11
Week 13	Chapters 11-12
Week 14	Chapters 12-13 and Review