GPRC

DEPARTMENT OF SCIENCE

COURSE OUTLINE – CS2050

NETWORK SYSTEMS, MANAGEMENT AND SECURITY

INSTRUCTOR:	Franco Carlacci	**PHONE:**	780 539 2091
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PREREQUISITE(S)/CO-REQUISITE: None

REQUIRED TEXT/RESOURCE MATERIALS

Fedora Bible 2011 Edition – featuring Fedora Linux 14 by C. Negus and E. Foster-Johnson

DESCRIPTION

This course will be of interest to students who want to learn how to implement, manage and troubleshoot network and server environments. Students will learn how to create and maintain network resources and develop network security policies and procedures. Topics will include network architectures and protocols (including wireless), network operating systems, Internet services, networking components (including network adapters, repeaters, hubs, switches, bridges, routers, gateways, firewalls and proxy servers), network virus protection, network backup and restoration, Windows and Linux management security.

CREDIT/CONTACT HOURS :   3 credits (1-0-3) / 60 contact hours

DELIVERY MODE(S) : Classroom/ Lab

TRANSFERABILITY

Athabasca University.

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**

Please note that a Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions.

EXAMINATIONS

Assignments (lab and takehome)	30%
Term exam	20%
Final Lab Exam	20%
Final Exam	30%

There is a 30% penalty for late (less than 2 days) assignment. Assignments which are more than 2 days late will not be accepted.

STUDENT RESPONSIBILITIES

Students must make an effort to attend ALL classes. If you have more than 5 un-excused absences you may be barred from writing the final exam

STATEMENT ON PLAGIARISM AND CHEATING:

Refer to the Student Conduct section of the College Admission Guide at http://www.gprc.ab.ca/programs/calendar/ or the College Policy on Student Misconduct: Plagiarism and Cheating at www.gprc.ab.ca/about/administration/policies/**

**Note: all Academic and Administrative policies are available on the same page.

COURSE SCHEDULE/TENTATIVE TIMELINE: