

**CS 3130**  
**TeleCommunications and Computers**  
(3 hours lecture and 3 hours lab)

**Instructor :** Franco Carlacci  
**Office :** C422  
**Phone :** 539 2091  
**Prerequisite:** CS2010 and CS2000  
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**Transfer Agreement**

The transfer agreements set out for this course can be found by visiting the [Alberta Council on Admission and Transfer](#) web site

**Calendar Description**

The calendar description for this course can be found at the [GPRC](#) website.

**Course Description**

This course will focus on learning about interprocess communication (IPC) mechanisms and how they can be used to write network applications. We will focus primarily on those available in the Windows family of operating systems. The C language will be the primary coding language. In the process of learning about these IPC mechanisms, we will take a more in-depth look at some of the most popular protocols in use in LANS and WANS.

**Text**

The required text for this course is *Windows System Programming - third Edition* by Johnson M. Hart. and the following are strongly recommended :

*Network Programming in Windows NT* by Alok K. Sinha

*Multithreading Applications in Win32* by J. Beveridge and R. Wiener

*Internetworking with TCP/IP Volume I* by D Comer

*Advanced Windows - third edition* by Jeffrey Richter

*Windows NT Networking Programming* by Ralph Davis

## **Evaluation**

Assignments	40%
Major Programming Project	10 %
Midterm Exam	20%
Final Exam	30%

*There is a 30% penalty for late ( less than 1 week ) assignments. Assignments which are more than 1 week late will not be accepted.*

## **Grading criteria**

I will use the grading system tables found on page 43 of the 2009-2010 GPRC Calendar. Please note that a Grade of D or D+ may not be acceptable for transfer to other post-secondary institutions.

## **STATEMENT ON PLAGIARISM AND CHEATING:**

Please refer to pages 49-50 of the College calendar regarding plagiarism, cheating and the resultant penalties. These are serious issues and will be dealt with severely.

## **Attendance**

I will be taking attendance in this class. If you miss more than 5 classes, you may be barred from writing any final exam.

## **Some Comments**

My web page at [www.carlacci.com](http://www.carlacci.com) is an integral part of this course. It should be checked regularly.

*Franco Carlacci*