

Computer Science 36: Systems Programming
 Course Information and Syllabus
 Semester II, 2005-2006

Lectures	K hour: 2:30-3:50 on Tuesdays and Thursdays
Room	CIT 368
Web Site	http://www.cs.brown.edu/courses/cs036
Texts	Req.: <i>The C Programming Language</i> Rec.: <i>Advanced Programming in the Unix Environment</i> Rec.: <i>Practical C++ Programming</i> (see website for details)
Prerequisite	CS 31
Instructor	Tom Doeppner (twd)
Office	CIT 405, x3-7633
Office Hours	Mon 1-2, Tues 4-5 or by appointment, or at your own risk
Head TAs	Haley Allen (haley), Tuesdays 8-11 Eric Tamura (etamura), Mondays 9-11 & Tuesdays 10-11
UTAs	YeeCheng Chin (yechin), Sundays 9-12 Bernie Gordon (bgordon), Tuesdays 8-10 & Thursdays 10-11 Greg Harm (gharm), Wednesdays 8-10 & Thursdays 9-10 Dan Hartmann (dhartman), Mondays 7-10
Requirements	9 Projects (50%) 10 Labs (20%) Group Final Project (30%)
Incomplete Policy	Incompletes are granted only under exceptional circumstances (e.g. severe illness, death in the family, kidnapping, etc.; <i>too heavy of a course load is not sufficient reason for an incomplete</i>). Getting a dean to certify your reason for requesting an incomplete helps, but is not sufficient.
Due Dates	Programs due on Fridays must be handed in by 10pm. On other days, they must be handed in by 11:59pm
Late Policy	Everyone is allowed a total of 3-days lateness on assignments free of charge. Beyond that, you are penalized 25% of the assignment's value for each day it is late (but you will not be penalized for more).

Lectures and Due Dates

Date	Topic	Out	Due
Jan. 31	Introduction to CS36 and C	Mastermind	
Feb. 2	Introduction to C		
Feb. 7	Introduction to C	Watermark	Mastermind
Feb. 9	Introduction to C		
Feb. 14	Dynamic Memory Allocation	Sweeper	Watermark
Feb. 16	Dynamic Memory Allocation		
Feb. 21	No Class	MyAlloc	Sweeper
Feb. 23	Libraries and Archive Files		
Feb. 28	Multi-Threaded Programming	Threads	MyAlloc
Mar. 2	Multi-Threaded Programming		
Mar. 7	Introduction to C++	Database	Threads
Mar. 9	Introduction to C++		
Mar. 14	STL: Standard Template Library		
Mar. 16	STL: Standard Template Library		
Mar. 21	Introduction to Networking	Decrypt	Database
Mar. 23	Introduction to Networking	Final Proj. Writeup	Decrypt (Mar. 24th)
Apr. 4	Sockets and TCP/IP	Sockets	
Apr. 6	Sockets and TCP/IP		Final Proj. Writeup
Apr. 11	Program Design	Final Project	
Apr. 13	Special Topics		
Apr. 18	Special Topics		
Apr. 20	Special Topics		
Apr. 25	Special Topics		
Apr. 27	Special Topics		