

JAN. 28 2002

## CT 3510 RAD Tools and 4-GL Languages

Prerequisites: CS 1150 and CT3610

Instructor: Angel Nikolov

Office: C402 539-2071

Text: McConnel, Steve ;Rapid Application Development: Taming Wild Software Schedules, Microsoft Press, 1999 (Required)

Recommended: Ed Koop, Anne Prince, Joel Murach; Murach's Visual Basic 6; Mike Murach and Associates, 1999

David McMahon; Rapid Application Development with Visual Basic 6, McGraw Hill, 1999 (on reserve in Library)

McConnel Steve; Code Complete, Microsoft Press, 1996 (on reserve in Library)

Gamma Erich et. al; Design Patterns; Elements of reusable Object-Oriented Software; Addison Wesley; 1995 (on reserve in Library)

Evaluation:	Assignments and quizzes	40%
	Midterm Exam	25%
	Final Exam	35%

Penalties for late assignments:

24 hrs delay: 10%

one week delay: 20

More than one week delay: 40%

Assignment Policy:

All assignments must be turned in—late or not—in order for you to receive a passing grade.

Course Description:

The course is an advanced course in programming information systems. Languages and tools popular in business will be used including fourth generation languages (SQL), and screen and report designers.

Topics will include: basics of visual design, syntax of Basic language; variables and constants, logical expressions, decision structures, loops,

procedures and functions, working with forms and controls, debugging, issues in Rapid Development, Life Cycle planning, risk management, scheduling, feature-set control, evolutionary prototyping, creating and

using ActiveX controls, creating and using class modules, RAD of user interface, data access options and implementations, working with DAO and ADO , using Data Environment Designer to build forms, using Data Report Designer to develop reports, deployment and distribution.

**Course Format:**

This course is three lecture hours and two lab hours per week.