

Summer 1991

Center for Computer and Information Sciences Master of Science in Computer Science Summer Courses 1991

Nova Southeastern University

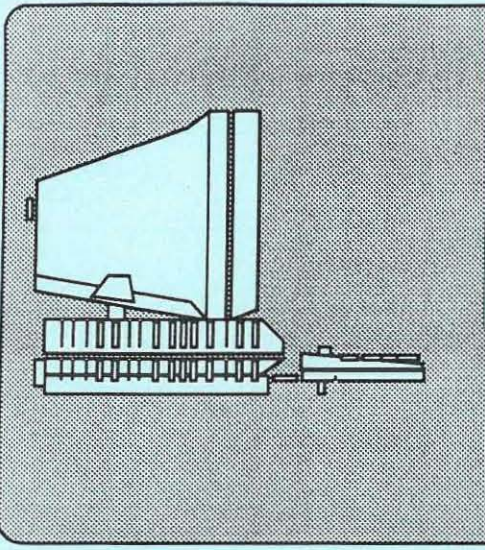
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NOVA UNIVERSITY
Center
For
Computer and Information Sciences

**MASTER OF SCIENCE
 IN
 COMPUTER SCIENCE**

20

912

COURSES FOR THE SUMMER TERM
 JULY 1, 1991 - SEPTEMBER 20, 1991

Session: 92

CEI
 65350

Course Number	Course Title
CISC 612	Concurrent Programming Languages
CISC 644	Operating Systems Implementation
CISC 660	Database Management
CISC 670	Artificial Intelligence/Expert Systems
CISC 682	Software Engineering Implementation
CISC 683	Object Oriented Design

Day/Time	Professor	Room
TH 6:00-10:00	R. Szabo	SB - 1
W 6:00-10:00	G. Simco	SB - 1
W 6:00-10:00	J. Levin	SB - 6
M 6:00-10:00	F. Rawson	SB - 1
T 6:00-10:00	E. Lieblein	SB - 1
TH 6:00-10:00	E. Lieblein	SB - 6

COURSE DESCRIPTIONS

set-up 4/23/91

CISC 612 CONCURRENT PROGRAMMING LANGUAGES (ADA, MODULA and SIMULA-67) - An introduction to concurrent programming languages. Modules and class structures, packages and concurrent tasks in ADA. Generic procedures. Concurrent programming, mailbox tasks, signals and semaphores. Abstract data types, operations on abstract objectives, hiding of the representation of objectives of a given type, private data types.

CISC 644 OPERATING SYSTEMS IMPLEMENTATION - Implementation and testing of operating system design on actual hardware.

CISC 660 DATABASE MANAGEMENT - Computer-oriented techniques for information storage and retrieval with emphasis on on-line capability. File structures, including data definition and manipulation languages.

CISC 670 ARTIFICIAL INTELLIGENCE/EXPERT SYSTEMS - This course emphasizes the area of programming involved with non-deterministic solutions to problems. Concepts of LISP, PROLOG, OPS5 and other specialized programming languages will be presented. The notion of knowledge bases will be developed and all students will be expected to produce a working expert system which embodies these concepts.

CISC 682 SOFTWARE ENGINEERING IMPLEMENTATION - The techniques of software engineering will be applied to practical projects.

CISC 683 OBJECT ORIENTED DESIGN - The concepts and principles of the object-oriented paradigm will be presented. Approaches to analyzing and modeling a system using object-oriented techniques will be developed as will techniques for the design of objects, classes and modules. The use of inheritance to enhance reusability will be explored. Object-oriented analysis and object-oriented programming will also be covered.



PHONE - In Broward, 475-7563
 or Toll Free, 1-800-541-NOVA,
 ext. 7563 to request registration
 forms and a current course
 schedule.

Room SB - Classes will be held at Nova University Main Campus in the Joe Sonken Building.