

1991

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

Nova Southeastern University

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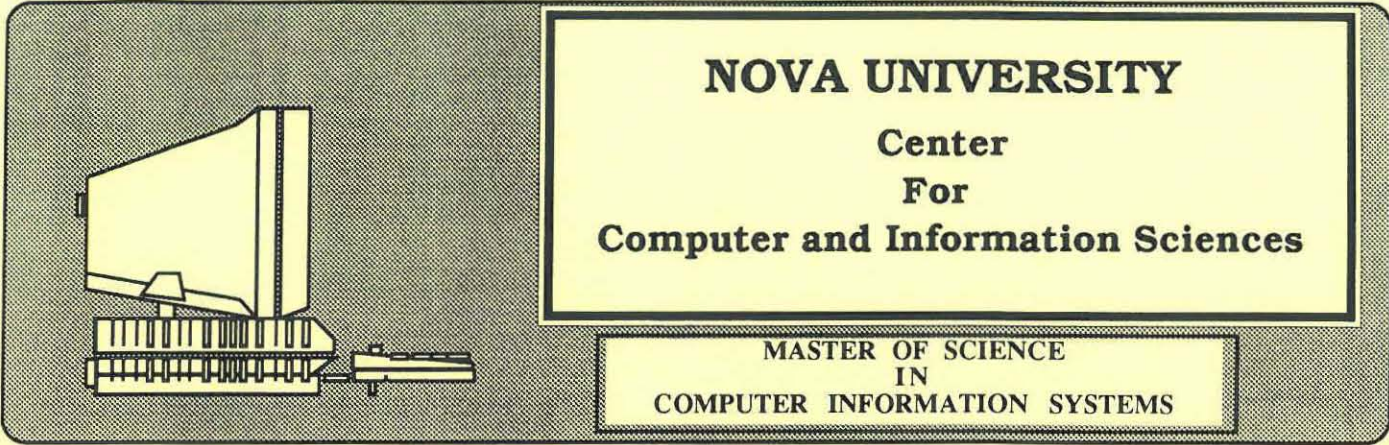


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NOVA UNIVERSITY
Center
For
Computer and Information Sciences

MASTER OF SCIENCE
IN
COMPUTER INFORMATION SYSTEMS

COURSES FOR THE SPRING TERM

April 1, 1991 - June 21, 1991

Session: 62

20
65350 915

Course Number	Course Title	Day/Time	Professor	Room
CISC 6001 CEI	Programming Languages	M 6:00-10:00	D. Murphy	SB - 1
CISC 6002 CEI	Program, Data & File Structures	T 6:00-10:00	D. Murphy	SB - 1
CISC 6020 CEI	Information Systems in Organizations	W 6:00-10:00	S. Fried	SB - 1
CISC 6023 CEI	Computer Integrated Manufacturing	T 6:00-10:00	B. Hartman	SB - 5
CISC 6031 CEI	Database Management Systems Practicum	M 6:00-10:00	E. Chao	SB - 5
CISC 6050 CEI	Data Communication Systems and Networks	TH 6:00-10:00	E. Chao	SB - 1

GR sent 6/3 ✓

GR-6/4 per George

COURSE DESCRIPTIONS

Schedule was set-up already on 2/20/91 SP

CISC 6001 PROGRAMMING LANGUAGES - Introduction to data structures and data types, and understanding of the modern approach to structured programming will be developed. A comparative study of several high-level programming languages. Emphasis will be placed on how concepts are expressed in each of the major languages, such as PASCAL and "C".


CISC 6002 PROGRAM, DATA, AND FILE STRUCTURES - Since reliable information systems require reliable programs, this course presents modern, structured techniques in "C" and PASCAL. Topics include control structures (e.g., loops and branching), data structures (e.g., stacks, queues, linked lists, trees, hashing), and file structures (e.g., access methods, ISAM, VSAM, B-Trees). Also covered are design methods such as stepwise refinement, top-down, information hiding, and structured design.

CISC 6020 INFORMATION SYSTEMS IN ORGANIZATIONS - This course provides a framework for understanding and analyzing information in organizations. Topics covered include the role of information systems in organizations, systems theory, systems concepts (structure, boundaries, states and objectives), information concepts (humans as information processors), information system applications, system evaluation and selection, and management considerations in constructing, installing, monitoring and maintaining information systems. Through this course, the student will learn techniques for developing, implementing, and managing an information system plan that will satisfy the needs of end users and organizational requirements and objectives.

CISC 6023 COMPUTER INTEGRATED MANUFACTURING - This course provides a framework for understanding how functional organization structure impacts the design of a management information system in a manufacturing setting. Special emphasis will be on marketing, manufacturing, and financial information systems. Topics covered include the product life cycle; production scheduling and capacity requirements planning; techniques for using MIS to make plant location and inventory management; layout decisions; quality control; and internal accounting and funds management. Planning strategies for forecasting services, developing requirements and specifications, writing requests for proposals, and project management will be examined within the context of functional information systems.

CISC 6031 DATABASE MANAGEMENT SYSTEMS PRACTICUM - The techniques of database management systems will be applied to practical projects.

CISC 6050 DATA COMMUNICATION SYSTEMS AND NETWORKS - The explosive growth of data communications based networks has triggered rapid advancements in data communications technology. This course focuses on the principles and applications of data communications. Topics covered include an examination of basic concepts and major components in a data communications system; hardware requirements and equipment; system design considerations; network architecture; Local Area Networks; common carrier services; network management; standards; and the regulatory environment.

 **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.