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NSU Course Catalogs and Course Descriptions

1988

Doctor of Arts in Information Science Interim Catalog Computer-Based Program for Information Professionals 1988

Nova Southeastern University

NOVA
UNIVERSITY

Doctor of Arts in Information Science Interim Catalog

Computer-Based Program for Information Professionals

Doctor of Arts in Information Science

Center for Computer-Based Learning
Interim Catalog

Now entering its third decade, Nova University is beginning to see the impact that its graduates are having on the institutions within our society. Many of the University's programs are mission-oriented, designed to improve the performance of professionals, and evidence is being collected that indicates that Nova alumni are having a strong, positive effect on the institutions in which they are employed.

Independent education must continue to be responsive and adaptable to the varying needs of potential students if it is to represent a true alternative to the tax-supported sector. Nova University is committed to maintaining quality while it is meeting these needs.

Abraham S. Fischler
President, Nova University

Contents

Center for Computer-Based Learning

The Center for Computer-Based Learning of Nova University offers four doctoral programs for practitioners. They are in the fields of information science (DAIS), training (DATL), information systems (DIS) and computer education (Ed.D./CED).

These four doctoral programs are offered for professionals who want to become leaders in their organizations by applying the latest computer-based technologies. Although they were designed with the idea that the new leaders should master the latest computer technologies, these four programs are offered to different categories of professionals.

The Doctor of Arts in Information Science (DAIS) is offered for those professionals working in information fields such as libraries, media centers, and information retrieval centers.

The Doctor of Arts in Training and Learning (DATL) is offered for those professionals, managers in business, government or industry, who are involved with computer-based information, with an emphasis on professional training.

The Doctor of Arts in Information Systems (DIS) is offered for those progessionals, managers in business, government, or industry, who are involved with computer-based information, with an emphasis on information systems in organizations.

The Doctor of Education (Ed.D./CED) in computer education and the educational specialist (Ed.S./CBL) in computer-based learning programs are designed for K-12 teachers, college professors, administrators, and trainers in all discipline areas concerned with the use of high technology to improve education and training.

Four year combined Master's (MS/CBL) and Doctoral (D.A. or Ed.D.) program: in addition, the Center for Computer-Based Learning offers a four-year combined master's and doctoral option in information science (MIRM/DAIS), training and learning (MSTL/DATL), information systems (MIS/DIS), and computer education (MSCED/Ed.D)

Doctor of Arts in Information Science

Computer-Based Program for Information Science Professionals

The Doctor of Arts Program

Nova University provides programs to practitioners working in information fields, such as libraries, media centers, and information retrieval centers. The programs capitalize on a computer-based delivery system to combine formal instruction, independent study, and applied research into any integrated program of study, designed to be completed in approximately three years.

Philosophy and Mission

The Doctor of Arts program embodies a commitment to provide doctoral education of high quality. This commitment stems from the goal to foster more rational decision making in library and information centers by improving the skills of those who are currently involved with the planning, management, and delivery of such centers. Thus, the program is designed exclusively for students who are employed.

Having established this mission, the field-based delivery system was developed as the most appropriate means for offering the program. The most salient aspect of the field-based approach is that there is no on-campus residency requirement—it does not force the removal of students from the very positions and responsibilities for which they are seeking advanced preparation. On the contrary, the field-based approach allows for the integration of study and practice. Program students, who are steeped in the day-to-day problems, issues, and conditions of education, use their knowledge and experience to examine critically the "real world" efficacy of theory and practice presented through formal instruction and learned through independent study. And because of their status as students, they have the opportunity (and are required) to submit to the test of reality newly acquired knowledge and competencies through direct application within their own institutions.

The significance of this structured intermingling of study and practice is summed up in the following point: in most traditional doctoral programs, the ability to perform as an outstanding practitioner is assumed to be a consequence of earning the degree. In field-based and computer-based programs at Nova University, it is a condition for earning the degree.

Doctor of Arts in Information Science Program Description

The major purpose of the Nova University Doctor of Arts in Information Science program is to provide a rich learning environment for librarians and information managers. The program facilitates the design and application of information systems based on emerging technologies in computers and telecommunications. The program enables students to develop automated processes and systems, in their work environments, that take full advantage of the latest in software tools and hardware designs. For this reason the program has been designed to operate in a UNIX* operating environment. The UNIX operating system is rapidly expanding into most fields of computer usage--from mainframe environments to office computers to personal micros. UNIX was developed at Bell Laboratories to foster a cooperative atmosphere among scientists and engineers. The system is used in this program not only for its extensive set of tools for automation but also to facilitate idea sharing and joint projects among the practitioners enrolled. UNIX operates at Nova University on a Digital Equipment Corporation mainframe computer, a VAX 11/780. Students make telephone connection with Nova's computers by dialing phone numbers in their local areas. Package switching makes this facility possible at no additional cost to the student.

Students who do not live in a Tymnet access location will have to pay a toll charge to their nearest local Tymnet number. Tuition includes up to 40 hours (60 hours for the first course) connect time on Nova's computers for each student in any given course. Additional connect time is paid for by the student at

*UNIX is a trademark of AT&T and Bell Laboratories

the rate of $7.00 per hour (as of July 1, 1988). The hours of online operation are between 7 P.M. - and 6 A.M. Monday-Thursday and from Friday at 7 P.M. - to 6 A.M. Monday.

COMPUTER-ASSISTED INSTRUCTION The UNIX system includes numerous software tools in a command interpreter called the Shell. The Shell enables students to communicate online with professors and also provides a vehicle for student-to-student dialog about projects and problems. This is accomplished through programs in the Shell that support electronic mail "mail," and live interactive dialogue "talk," "write," and "phone." These utilities enable students and professors to mail documents and students to ask questions of professors or other students or groups of students and receive bulletins concerning the program or their progress. UNIX contains a resident CAI authoring system called LEARN through which an extensive amount of the content in the first two core courses is completed. The INSTRUCTIONAL WORKBENCH (IWB) designed by AT&T is also used in the program. The IWB system under UNIX enables students to maintain extensive control over their own learning by making it possible for them to use all of the UNIX utilities while in any given lesson. Descriptions of the courses are provided on pages that follow.

WRITTEN ASSIGNMENTS AND PROJECTS (PRACTICUM ARCHIVE) Although the actual writing process usually takes place offline on a local microcomputer, all assignments eventually are mailed electronically to a central point for evaluation and feedback. Students are required to complete satisfactorily two practicums--applied research projects that address significant problems in their own

organizations. These projects are reviewed, corrected, and stored online. The Writer's Workbench (WWB) is available in the UNIX environment. The WWB facilitates speed and accurate processing of student projects.

Practicums are stored online and can be accessed through a menu system. Each practicum can be read and online comments can be added by the reader to be shared with the author. If the author is online at the time of access, the reader is notified of this and can "talk" directly with the author about the practicum.

EXAMINATIONS Examinations are scheduled throughout the program. Final examinations are required for each core course and a comprehensive examination is given at the end of the third year.

Admission Requirements

Since the program is designed for professionals in library, media, and information science fields, the following requirements must be satisfied by each applicant:
1. A master's degree in library, information science, in or a related field from a regionally accredited university
2. Current employment in a library or related facility
3. A minimum of two years of professional experience
4. A G.R.E. score or completion of a portfolio with appropriate work experience and credentials
5. Three letters of recommendation
6. An application form and transcripts of all graduate college and university credit received

The Information Science staff will make all decisions concerning admissions.

Fees and Tuition Policy

The application must be accompanied by a $30 check made payable to Nova University. This is a one-time, nonrefundable fee. The tuition for each year is $4500. Students who must continue beyond three years to complete the degree do so in Continuing Services at the much reduced tuition rate of $900 per six-month term.

Tuition Payment Plan

Tuition may be paid in a single payment of $4500, two semiannual payments of $2250, or four quarterly payments of $1125. There is a $60 yearly registration fee.

First Installment
$1125.50 (1/4 tuition)
30.00 (registration fee)
_____
$1155.00

Second Installment
$1125.00 (1/4 tuition)

Third Installment
$1125.00 (1/4 tuition)
30.00 (registration fee)
_____
$1155.00

Fourth Installment
$1125.00 (1/4 tuition)

Included in the tuition are study guides, case analysis documents, computer conferences, computer connect charges on the VAX for 40 hours (60 hours for first course), and cluster seminars (but does not include toll charges to access Tymnet).

Other Expenses

Attendance at ten cluster seminars and two extended (Fri./Sat./Sun.) weekend institutes on the Nova main campus is required for graduation. While there is no fee for the seminars or weekend institutes, students must pay their own transportation and living expenses for the two-day seminars and for the weekend institutes. Students must purchase their own textbooks.

The approximate cost for books is $100 per six-month term. Students who do not live in Tymnet access locations will have to pay a toll charge to access their nearest Tymnet number. Students who go over the 40 (60 hours for the first course) connect hours per course, will be billed for additional time at the rate of $7 per computer-connect hour. This $7 charge per computer-connect hour on Nova's VAX in excess over the 40 hours (60 hours/first course) is billed whether a student accesses the University computer over Tymnet or by direct dialing (local direct dial, long distance dial, or from an on-campus terminal in a lab or other facility). This fee may vary depending on our Tymnet contract. In addition, students must pay all of their local phone tolls or charges to access any Tymnet number.

There is a late payment fee of $25 and a reinstatement fee of $10 (for those who leave and then are permitted to reenter the program) Repeated late payments will result in the student's being dropped from the program. Students who wish to remain in the program must maintain continuous enrollment in courses by both registering and paying all tuition and fees. Any student who discontinues active participation in courses but who wishes to continue online privileges must pay a $900 per term fee in addition to the standard fees for any computer-connect time that is over 20 hours for each six-month term.

Refunds

Students who wish to withdraw from the program, either temporarily or permanently, must inform the Center for Computer-Based Learning Admissions Office in writing to be eligible for allowable refunds. Students will receive a full tuition refund if they withdraw before the first semester and have used no online computer time. If online time has been used, $7 per hour will be deducted from the allowable refund. Students who have paid tuition and withdraw after the first seminar will be entitled to a refund equivalent to the second quarterly payment, assuming that the second quarterly payment had been paid in full with the first quarterly payment, otherwise no refund will be given. If a cluster of students fails to form in the applicant's geographic area, all monies will be refunded (including the application fee). If an application is rejected, the $30 fee will NOT be refunded.

Financial Aid

Nova University offers several programs of student financial aid in order to assist the greatest number of its students possible in meeting educational expenses. The primary responsibility for paying for education rests with the student and his or her family. Financial aid is available to "fill the gap" between the cost of education and the amount the family can reasonably be expected to contribute.

To qualify and remain eligible for financial aid, a student must be accepted for admission into a University program; eligible for continued enrollment; a United States citizen, or in the U.S. for other than a temporary purpose; and making satisfactory academic progress toward a stated educational objective in accordance with the University's policy on satisfactory progress for financial aid recipients.

For information on sources of aid and for application forms, please contact: Nova University, Office of Student Financial Planning and Resources, 3301 College Avenue, Parker Building, Room 312, Ft. Lauderdale, FL 33314 305-475-7410.

VA Benefits

Nova University's academic programs are approved by the State of Florida, Department of Education, State Approving Agency for Veterans Training, for veterans educational benefits. The VA representative will assist veterans in applying for benefits. A VA student must attain and maintain satisfactory progress as determined by the program director each evaluation period (i.e., six-month term). He/she must meet any skill or technical requirements of his/her particular program. A VA student who, at the end of any evaluation period, has not attained and maintained satisfactory progress will be placed on academic probation for the next evaluation period. Should the student not attain and maintain satisfactory progress by the end of the probationary period (one 6-month term), his or her VA educational benefits will be terminated for unsatisfactory progress.

A student whose VA educational benefits have been terminated for unsatisfactory progress may petition the school to be recertified after one 6-month term has elapsed. The school may recertify the student for VA educational benefits only if there is a reasonable likelihood that the student will be able to attain and maintain satisfactory progress for the remainder of the program.

Certification

State certification, promotion, and pay increases for students enrolled in CBL programs are local decisions that are made by agencies not connected with Nova University. Therefore, it is the individual responsibility of current and prospective students to check with the appropriate agencies to insure that the program selected will meet their specific needs.

Student Conduct and Rights

Students are expected to comply with the legal and ethical standards of Nova University. Academic dishonesty and nonacademic misconduct are subject to disciplinary action. Specific instances of misconduct include, but are not limited to, cheating, plagiarism, knowingly furnishing false information to the University, and forging or altering University documents or academic credentials.

Students who feel their rights have been denied are entitled to due process.

Grading System

Instructional personnel in the Doctor of Arts Program assign grades of PASS, NO PASS, and INCOMPLETE for courses and PASS, NO PASS, and UNACCEPTABLE for practicums. Course grades are assigned by the national lecturers responsible and practicum grades are assigned by practicum evaluators.

A PASS ("P") indicates the student has satisfied all core course, seminar, or practicum requirements.

An INCOMPLETE ("I") for a course indicates the student has attended the seminar but has failed to meet all requirements. However, it is reasonable to expect that the student will be able to satisfy the requirements.

An INCOMPLETE must be made up within one year from the last day of the term.

A NO PASS ("NP") indicates that a student has attempted to complete all requirements in the course but has failed to do so. Any student receiving a NO PASS must repeat the course.

A WITHDRAWAL ("W") is assigned if the student officially withdraws (in writing) from the course prior to the course exam.

A grade of UNACCEPTABLE ("U") means the practicum needs revision. When a practicum receives a "U" on the second revision, a NO PASS is assigned and the student must begin a new practicum on a new topic.

Students who receive two NO PASSES will be terminated from the program and may not be readmitted.
During the third year of the program, each student works on the Major Field Project. Students who require more than three years to complete the program come under the jurisdiction of the Office of Continuing Services (OCS). This office assists such students in obtaining needed advice and counseling for completing the program. Tuition beyond the third year is $900 per six-month term. Twenty online hours are allotted per term. Students who enroll and pay tuition beyond the third year will receive a refund of 50% if work is completed within 30 days of course registration and their online time does not exceed the 20 hours allotted. No refunds will be granted after the 30-day period elapses.

Student Progress Records

The Center for Computer-Based Learning maintains up-to-date progress records on each student. The University periodically furnishes each student with a working transcript, which shows the current status of grades and earned semsester hours for all courses completed and/or attempted plus grades for courses in which the student is currently enrolled.

Entry Options

A day and a half introductory session on UNIX is offered in a workshop format. New students are urged to come to the Nova University main campus, attend the UNIX workshop, and get acquainted with the Computer-Based Learning Center. The cost of this workshop is included in the regular tuition; however, students must pay their own travel and living expenses. If a student already has a minimal level of skill in UNIX or simply cannot attend the on-campus workshop, the alternative is attendance at a preseminar (four-hour) introduction to UNIX at a local cluster site. Students who have a good background in UNIX and telecommunications can have the above requirement waived by providing documentation certifying their experience.

Graduation Requirements

To be eligible for graduation a student must fulfill the following requirements:

1   Attend the 10 cluster seminars and pass the five core courses (3 credit hours each--total of 15 credit hours)
2. Complete five online Modules-of-Expertise (MOE) (3 credit hours each--total of 15 credit hours)
3. Attend the two extended weekend institutes on Nova's main campus and pass the two specialty courses (3 credit hours each--total of 6 credit hours)
4. Pass two practicums (6 credit hours each--total of 12 credit hours)
5. Successfully complete the Major Field Project Proposal (MFPP) (6 credit hours) and the final MFP (12 credit hours)
6. Receive a passing grade on a comprehensive examination
7. Be current in all tuition and fees
8. Complete the application for graduation form with all required signatures.

Total credit for the entire program is 66 semester hours.

All requirements must be completed within seven years of the student's start date. The University recognizes that individual programs require differing time limits for the completion of academic studies leading to a degree. Therefore, the time frame is a matter within the discretion of each academic program.

Consideration will be given to granting up to six credit hours in postmaster's work completed within the past ten years for the same or equivalent coursework. No credit for life experience or other forms of advanced standing will be granted.

Withdrawal

Students who wish to withdraw from the program--either temporarily or permanently--must inform the Admissions Office in writing to be eligible for allowable refunds. Students who give written notice of their intent to withdraw prior to a seminar will not be assessed for that or subsequent courses until they are formally readmitted. Students who withdraw and reenter are assessed a readmission fee of $10 and are subject to the prevailing tuition rate.

Since some seminars are offered only once at a particular site, students are advised that failure to attend a seminar when it is offered in their region may lead to logistical difficulties when they attempt to make up the missed seminar at a later date. For this reason, students are urged to maintain continuous enrollment.

Readmission

Individuals in a withdrawal status who wish to be readmitted, must complete a readmission form and be approved for readmission by the Admissions Committee of the Doctor of Arts Programs.

Course Descriptions

Several modes of delivery are provided in the courses: cluster seminars, extended weekend (Fri./Sat./Sun.) institutes, computer conferences, computer-assisted instruction on a supermini computer, interactive online, real-time computer discussions with faculty members (ECR), electronic mail conversations, and assignments delivered electronically. Final

examinations are taken by the students in person and are supervised by a member of the central staff. All other written assignments are forwarded through electronic mail and stored in central databases.

Contents of courses reflect areas in the information science field where improvements are needed. The courses contain numerous assignments that are available both online and in study guides. Much of the work on assignments is done offline and then uploaded to the student's home directory. Assignments are mailed by the student (electronically) to the proper destination or directory using the online course management system. Assignments are designed to require manipulation of text or data by the many application programs in UNIX, and all text submitted must be treated by the appropriate tools of the Writer's Workbench (WWB).

The Information Science student will acquire his or her knowledge through a combination of core courses, modules-of-expertise, and specialty courses.

Students must complete five core courses (two cluster site seminars for each course) with five modules-of-expertise-- MOE (taken online with an expert in the field) and two specialty courses taken during an extended weekend (Fri./Sat./Sun.) seminar, on campus, during the summer of the first and second years. Each core course and its corresponding module-of-expertise is scheduled for six months.

The course descriptions follow:

IS 7000 Emerging Technologies in Information Science (3 credits hrs.)
• Topics covered include emerging concepts in computer hardware and software systems, data communications, and optical disk technology. The student will develop an understanding of such concepts as computer architectures, protocols and standards, and their impact on information access and retrieval in libraries and information centers.

IS 7100 Computer-Based Research and Statistics (3 credit hrs.)
• An introduction to data and information analysis and inference.

IS 7110 Data Analysis for Information Sciences (MOE) (3 credit hrs.)
• Topics introduced include economic analysis of proposed resource commitments, risk analysis, and evaluation methodologies within the context of information theory. Emphasis is placed on optimizing data analysis applications in libraries and information centers.

IS 7200 Strategic Management (3 credit hrs.)
• An introduction to MIS projects involvement with top management strategy formulation and implementation.

IS 7210 Finance and Budgeting in Information Sciences (MOE) (3 credit hrs)
• Techniques for developing budgets and financial plans in conjunction with organizational goals and objectives are presented.

IS 7300 Telecommunications and Networking in Libraries and Information Centers (3 credit hrs.)
• An introduction to the concepts and principles of telecommunications and an understanding of the technology of computer networking will be provided. Emphasis is on the technical and human issues that arise in the design, development, and deployment of computer networks and preparing a plan for networking implementation that is consistent with the organization's goals and objectives and realistic performance requirements.

DTL 8400 Human Factors in Software Design (3 credit hrs)
●An introduction to the human interface in MIS projects.

IS 8410 Design of Human Interfaces in Information Sciences (MOE) (3 credit hrs.)
●In this course, the DAIS student will optimize his or her ability to implement successfully an information system within the work environment through studying such topics as the human/computer interface, erogonomics, time constraints and task-oriented behaviors in a learning setting, and economic and political variables that impact acceptance of new technologies.

IS 8500 Database Management Systems, Text Processing, and Information Retrieval (3 credits hrs.)
●An introduction to database management systems, data communications, and networks.

IS 8510 Relational Databases in Information Sciences (MOE) (3 credit hrs.)
●Database concepts, database management, and database administration are presented to help the student develop his or her expertise in database planning and implementation.

IS 8700 Systems Analysis, Expert Systems and Artificial Intelligence (3 credit hrs.)
●The principles of systems analysis and design are presented in a context of artificial intelligence applications. An approach to the design of systems is highlighted using examples of expert systems.

IS 8710 Artificial Intelligence and Expert Systems in Information Sciences (MOE) (3 credit hrs.)
●Concepts, principles, and applications of artificial intelligence and expert systems that are operational within the framework of libraries and informational centers are covered.

Course Sequence

	SIX MONTH	SIX MONTH	SUMMER ON-CAMPUS EXT. WEEKEND
	Database Management Core (3 credits) Year#1 and MOE (3 credits)	**Systems Analysis** Core (3 credits) and MOE (3 credits)	**Specialty 1** **Telecommunication** **and Networking** **(3 credits)**
	Practicum Proposal 1 (3 credits)	Practicum 1 (3 credits)	
	Strategic Management Core (3 credits) Year#2 and MOE (3 credits)	**Human Factors** Core (3 credits) and MOE (3 credits)	**Specialty 2** **Emerging** **Technologies** **(3 credits)**
	Practicum Proposal 2 (3 credits)	Practicum 2 (3 credits)	
	Research and Statistics Core (3 credits) Year#3 and MOE (3 credits)		
	Major Field Proposal (6 credits)	Major Field Project (12 credits)	

Program Curriculum

The program curriculum consists of five levels :

1. In the core course (the program consists of 5 core courses : Research & Statistics, Database Management, AI and Expert Systems, Strategic Management, and Human Factors), the student learns the principles corresponding to the subject taught.

2. In the module-of-expertise (MOE), the student applies what he or she learned in the course to solve a problem or design a project for his or her organization.

3. After the MOE has been approved, the student may elect to use his or her MOE as the basis for his or her practicum. In the practicum proposal, the student will compare his or her solution to the solution taken by others to solve similar problems. For that purpose, the student will be required to do the necessary literature search.

4. After the practicum proposal has been approved, the student may elect to publish his or her work in a professional journal. In this case, the student will be asked to acquire (and submit to the Center for Computer-Based Learning) the format required for such a publication. The article does not necessarily have to be published to be accepted as a practicum.

5. The student should reserve his or her most important project for the Major Field Project. The Major Field Project should have the quality and the magnitude of a doctoral thesis.

Cluster Seminars

Students are required to attend four cluster seminars during the first year of the program, four cluster seminars during the second year, and two seminars during the first six month of the third year. Seminars begin Friday evening and adjourn Saturday evening. A computer conference is held prior to all seminars. The emphasis in the seminars is on the key issues in information science. Leadership and the change process are primary areas of concentration throughout the ten sessions. Seminars are designed to reinforce the online courses and explore new horizons.

Currently there are five clusters in the country where seminars are held: Ft. Lauderdale, FL, Jacksonville, FL, Los Angeles, CA, St. Louis, MO, and Wilmington, DE.

Below is a sample of the topics covered in the cluster seminars.

- The Role of Computers in the Information Field
- Computer Applicatins in Research
- Fundamentals of Database Management Systems
- Advanced Relational Databases and Management Information Systems
- Advances in Computer Simulation and Games for Training and Education
- Man-Machine Systems, Human Processes, Environmental Factors, and Instrumentation of Man-Machine Interaction
- Political and Social Issues of Information Management

Modules-of-Expertise

For each core course, the student will complete a module-of-expertise, taken online, with an expert in the field.

Nova On-Campus Institute

During the summer of the first and second years, the student will participate in an extended weekend (Fri./Sat./Sun.) institute on the Nova main campus. During each institute, the student will take one specialty course.

Practicums

The practicum process is designed to allow students to investigate a situation or problem that is important to the information science field. Generally, this will enable students to investigate a situation directly related to activities within their own institution or organization and translate course theory into practice. Upon completing the investigation, students should be able to reach conclusions and offer recommendations that have the potential of contributing to the improvement of professional practice. Such recommendations could result in increased outputs, more effective procedures, or implementation of creative techniques. Students must complete two practicums, one in each of the first two years of their program.

Major Field Project (MFP)

An MFP is the main focus of the final year in the program. Each student is expected, with the help and approval of an advisor, to select a topic that is appropriate and of sufficient scope to satisfy this requirement. The student must conceptualize the most appropriate way to proceed and submit an online proposal. On approval of the proposal the student follows the procedures outlined and prepares a final online report that must be approved by the student's committee. The mode of operation is the same as in most doctoral programs that are campus-based. The student works closely with a major advisor who, together with two other educators, constitute an MFP committee to advise and approve the project.

Faculty

Students are taught by nationally recognized authorities drawn from major universities and other institutions across the country who are hired as national lecturers on the basis of their subject expertise, teaching ability, and professional recognition. National lecturers travel to each regional area to conduct the sessions for each of the required seminars.

NATIONAL LECTURERS

DATABASE MANAGEMENT SYSTEMS
Dennis Murphy, Ph.D.
Nova University
Fort Lauderdale, Florida

HUMAN FACTORS
Al Mizell, Ed.D.
Nova University
Fort Lauderdale, Florida

STRATEGIC MANAGEMENT
John Scigliano, Ed.D.
Nova University
Fort Lauderdale, Florida

EMERGING TECHNOLOGIES
Marlyn Kemper, D.A.
Nova University
Fort Lauderdale, Florida

RESEARCH AND STATISTICS
Thomas MacFarland, Ed.D.
Nova University
Fort Lauderdale, Florida

**SYSTEMS ANALYSIS, EXPERT
SYSTEMS AND ARTIFICIAL
INTELLIGENCE**
Jacques Levin, Ph.D.
Nova University
Fort Lauderdale, Florida

**TELECOMMUNICATION, NETWORKING,
AND COMPUTER APPLICATIONS**
Marlyn Kemper, D.A.
Nova Univeristy
Fort Lauderdale, Florida

FURTHER INFORMATION

Those who are interested in receiving further information on the program described
in this catalog may do so by contacting the CBL Admissions Office, Nova University,
3301 College Avenue, Fort Lauderdale, Florida 33314-(305) 475-7047.

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Janet King
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About the University

NOVA UNIVERSITY is an independent, nonsectarian, nonprofit, university chartered by the State of Florida in 1964. It is located on a 200-acre main campus west of Fort Lauderdale at 3301 College Avenue in Davie, with additional locations in downtown Fort Lauderdale, Coral Springs, and at Port Everglades. Its ten centers of study offer campus-based undergraduate and graduate programs leading to degrees in education, law, the behavioral sciences, computer-sciences, and business and public administration. As an acknowledged leader in field-based degree programs, Nova offers courses of study leading to the bachelor's, master's, educational specialists, and doctoral degrees in education, in business and public administration, and in the behavioral, social and computer sciences..

The University School, a demonstration school, serves children from preschool through high school. In addition, nondegree, continuing education and certificate programs are offered by the University.

From the beginning, the University has distinguished itself by itself by its innovative outlook, its unique programs that provide both traditional and nontraditional choices in educational programs, and its research in many fields aimed at solving the problems of immediate concern to mankind.