

## **Vision Statement**

The vision for information technology (IT) in the School of Nursing is that all students, faculty, and staff learn, teach, conduct School and professional business independently and efficiently with out regard to time or place. Specifically:

Students, faculty and staff are competent, comfortable users of information technology;

Appropriate technological and educational support is available to all students, faculty, and staff;

SON administration, students, faculty and staff appreciate, understand, and use nursing informatics concepts and information technology in all aspects of nursing practice, education, and research;

Faculty and staff are leaders in the innovative use of nursing informatics (NI) and information technology (IT) in nursing practice, education, and research; and

The University community understands the role of nursing informatics and information technology in nursing and health care.

## **Mission:**

Enable students, faculty, and staff to exploit technology for communication, collaboration, and information management.

## **Goals for 2009-20010**

1. Students will have access to state-of-the-science technology.
2. Faculty and staff will have access to adequate computing resources on their desks.
3. Faculty and staff will have access to state-of-the-science technology within the building.
4. Faculty, staff, and students will possess a basic set of skills in nursing informatics, information technology and computer use.
5. Faculty, staff, and students will be challenged to incorporate nursing informatics concepts and new technology into their professional and scholarly activities.
6. Accurate, timely technical consultation will be available to students, faculty, and staff.
7. Nursing informatics and information technology content will be integrated into the curricula.
8. Resources will be identified and allocated for acquisition, support, enhancement, maintenance, and protection of technology.
9. The University community will be informed of the role of nursing informatics and information technology in nursing and health care.

Goal 1. Students will have access to state-of-the-science technology.

Strategy	Outcome	Progress Since Last Vision Proposal	Resources Needed	Plans to Complete
Provide the infrastructure to support NI & IT needs of students	<p>State-of-the-science equipment, software, and networking devices are available to students</p> <p>The infrastructure is updated in a timely fashion</p> <p>The infrastructure features adequate redundancy to protect student equipment from excessive down-time</p>	Essentially no downtime this year.	<p>Last replacement of 34 windows-based computers in the LC was winter break of 04-5.</p> <p>Since the speed and capabilities seem to meet our students' needs, we will plan to replace after 4 years (2008-9).</p>	<p><b>Vision Project #1</b></p> <p>Upgrade computers with thin client technology.</p>
<p>Provide technologically equipped classrooms</p> <ul style="list-style-type: none"> <li>• computer classroom</li> </ul>	<p>At least one small group, hands-on computer classroom is available for instruction on various computer skills</p> <p>Computer classroom has thirteen dependable, matching workstations with adequate power to support teaching/learning activities</p>		New version of SPSS compatible with labmanager software.	<p><b>Vision Project #1</b></p> <p>Upgrade classroom software in 2008-9 with thin client technology.</p>
<ul style="list-style-type: none"> <li>• general-use computer facility</li> </ul> <p>Provide a "general-purpose" computer facility with adequate resources</p>	<p>General User facility has adequate computers to meet student needs when classroom is in use</p> <p>Infrequent waits for equipment</p> <p>Computers in working order</p>	<p>Three stations to time-limited stations for printing or email checks only.</p> <p>Wait times limited to immediately before classes when students need to printout Powerpoint lecture</p>		<p><b>Vision Project #1</b></p> <p>Upgrade computers in 2008-9 with thin client technology.</p>

**GOAL 1. (con't) Students will have access to state-of-the-science technology.**

Strategy	Outcome	Progress Since Last Vision Request	Resources Needed	Plans to Complete
	<p>Current versions of software</p> <p>Consultation available</p>	<p>notes for class.</p>		
<ul style="list-style-type: none"> <li>• Research computer lab</li> </ul> <p>Provide student researchers with adequate technology to conduct research and other scholarly activities</p>	<p>Research computer lab has eight computers containing software required for qualitative and quantitative analysis to support the learning needs of student researchers and those taking research courses</p> <p>Infrequent waits for computer</p> <p>Computers in working order</p> <p>Innovative methods of collecting, managing, analyzing and presenting data are available</p> <p>Consultation is available within a reasonable time frame</p>	<p>Installed GoBack to maintain computers.</p>		<p><b>Vision Project #1</b></p> <p>Upgrade computers in 2008-9 with thin client technology.</p>
<ul style="list-style-type: none"> <li>• classrooms                             <ul style="list-style-type: none"> <li>-tiered classrooms</li> <li>-large classrooms/ conference rooms</li> <li>-seminar rooms</li> </ul> </li> </ul>	<p>Adequate classrooms supporting the multimedia needs of faculty and students</p> <p>Tiered classrooms have sound, lighting, acoustical enhancements and technology to support multimedia course materials</p>	<p>Renovations completed</p> <ul style="list-style-type: none"> <li>• All tiered classrooms have consoles with touch panel controls and new equipment</li> <li>• All have permanently installed projectors.</li> </ul>	<p>Funds to complete the following renovations:</p> <ul style="list-style-type: none"> <li>• new classroom furniture</li> <li>• incorporate screen &amp; lighting controls in console</li> <li>• standardize lighting controls</li> <li>• upgrade lighting</li> <li>• add electrical outlets for student laptops</li> </ul> <p>Begin to replace console equipment in</p>	<p><b>Vision Project #3</b></p> <p>Replace computers in 1.106 (podium in one tiered classroom) now from 08-09 SIT funds.</p>

**GOAL 1. (con't) Students will have access to state-of-the-science technology.**

Strategy	Outcome	Progress Since Last Vision Request	Resources Needed	Plans to Complete
	<p>At least one 'large group' (1.106) multimedia classroom is available to support software demonstrations, distance education courses, satellite feeds, etc</p>		<p>oldest (1.106)</p>	<p>Begin replacement of computers in tiered classrooms this year (08-09) with SIT funds.</p>
	<p>Large classrooms /conference rooms have light, sound, and technology to support multimedia course materials</p> <p>5.120 conference room houses telecomm equip for smaller groups (12-15 participants)</p> <p>One mobile telecomm unit available for classes.</p>	<p>Videoconferencing equipment was added for small 'board room' gatherings in 5.120.</p>	<p>Lighting in all classrooms needs to be upgraded to include dimmable downlight.</p> <p>Classroom furniture needs to be upgraded in the tiered classrooms—chairs squeak.</p> <p>Electrical outlets need to be added to all classrooms for student laptops.</p>	<p><b>Vision Project #3</b></p> <p>Look for funds to implement needed upgrades in classrooms.</p>
<ul style="list-style-type: none"> <li>Software Make the latest version of software available in computer facilities</li> </ul>	<p>Students have access to software needed to perform School-related tasks</p> <p>Students have access to computer assisted programs (CAI) appropriate to the curriculum</p> <p>Students have access to software necessary to learn about new and future applications of IT to course work and other professional tasks</p> <p>Funds for upgrades and</p>	<p>Added \$XXXX of computer assisted instruction to LC holdings this academic year.</p> <p>New software versions, virus upgrades and patches added to student network.</p>		<p>Continue to review and acquire computer assisted instruction (CAI) and testing software applicable to the curriculum as available</p>

**GOAL 1. (con't) Students will have access to state-of-the-science technology.**

Strategy	Outcome	Progress Since Last Vision Request	Resources Needed	Plans to Complete
<ul style="list-style-type: none"> <li>Learning Activities provide learning environments to facilitate students learning to apply IT to professional tasks and patient care</li> </ul>	<p>multiple copies are available</p> <p>Adequate resources are available to meet the teaching/learning needs of the curricula</p>	<p>Just-in-time instruction available for students, staff and faculty. Scheduled classes available at beginning of each semester.</p>		
<p>Support the application of NI &amp; IT in the practice of nursing</p>	<p>Students will use or explore innovative IM techniques to complete professional tasks efficiently: Laptops, tablets, PDAs, special applications and other technology.</p> <p>Students will use computers and other technology to gather patient data and to create care plan</p> <p>Student researchers will use a computer to create data collection tools and to scan the data into files</p>			

Goal 2. Faculty and staff will have adequate computing resources on their desktops.

Strategy	Outcome	Progress Since Last Vision Request	Resources Needed	Plans to Complete
<p>Provide an infrastructure to support IT needs of faculty and staff:</p> <ul style="list-style-type: none"> <li>Network communication and consultation system</li> <li>Access to Internet</li> <li>Software and hardware with adequate power to perform state-of-the-science IT techniques</li> </ul>	<p>State-of-the-science equipment, software, and networking devices are available to faculty and staff</p> <p>The infrastructure will be updated in a timely fashion</p> <p>The infrastructure features adequate redundancy to protect faculty, staff, and students from excessive down-time</p> <p>Tenured faculty have adequate computing power on their desk</p> <p>Tenure-track faculty have adequate computing power on their desks</p> <p>Clinical faculty have adequate computing power on their desk</p>		<p>Funding to upgrade faculty computers on a timely basis.</p>	

Goal 3. Faculty and staff will have access to state-of-the-science technology within the building.

Strategy	Outcome	Progress Since Last Vision Request	Resources Needed	Plans to Complete
Provide the infrastructure and equipment to meet the technology needs for faculty	Equipment, software, and network devices are available within the building for faculty use			

Goal 4. Faculty, staff, and students will possess a basic set of skills in nursing informatics, information technology and computer use.

Strategy	Outcome	Progress Since Last Vision Request	Resources Needed	Plans to Complete
Provide training programs to meet the learning needs of faculty	<p>Faculty have the IT skills they desire</p> <p>Faculty have basic computer competencies</p> <p>Faculty are exposed to new technology to facilitate their IT growth and development</p> <p>A smorgasbord of learning opportunities is available for faculty by faculty and staff:            individual instruction            group classes            presentations at division and faculty meetings</p> <p>A faculty-helping-faculty network answers faculty's needs and strengthens faculty helper's skills</p> <p>Faculty participate in University computer classes</p>	<p>'Short courses' and individual assistance by appointment were offered</p> <p>Presentations done during faculty meetings.</p> <p>Just-in-time instruction available.</p> <p>A capable, dependable student worker (10 hrs/wk) is employed to assist with student and faculty training needs.</p>		<p>Continue to offer a variety of educational opportunities, especially one-on-one, just-in-time instruction. Classes such as: EndNote, Bb, CLIPs, and applications as requested.</p> <p>Market computer classes available on University campus and in the School</p> <p>Continue to present info about resources at faculty meetings.</p>
Provide training programs to meet the learning needs of staff	<p>A train-the-trainer program prepares Division Assistants (DA's) to assist in keeping staff skills current</p> <p>DA's serve faculty and staff</p>	<p>Technology classes were held for faculty and staff at the beginning of long semesters</p>	<p>More full-time or part time staff to assist with faculty and staff learning needs.</p>	<p>Investigate scholarships for faculty and staff to attend classes available on University campus</p>

**Goal 4. (con't) Faculty, staff, and students will possess a basic set of skills in nursing informatics, formation technology and computer use.**

Strategy	Outcome	Progress Since Last Vision Request	Resources Needed	Plans to Complete
	<p>as first-level help</p> <p>A smorgasbord of learning opportunities are available for staff:</p> <ul style="list-style-type: none"> <li>group classes (1 hr and longer)</li> <li>individual instruction</li> <li>University courses (School paying tuition)</li> </ul> <p>Multiple classes are available through summer months</p>			<p>and in the community</p> <p>Continue to offer classes at beginning and end of long semesters</p> <p>Continue to do 'just-in-time' teaching opportunities</p>
<p>Provide training programs meeting the learning needs of students.</p>	<p>A list of "basic" computer competencies for undergraduates, masters and PhD are identified.</p> <p>A continuing smorgasbord of classes is available for students.</p> <p>Consultation is available for students.</p> <p>NI &amp; information management tasks are integrated into the curricula.</p> <p>Students take advantage of University and School-based IT courses.</p>	<p>A 20-hour student employee has been added to help work with student IT knowledge and skills.</p> <p>IT skills have been incorporated into the content of the prenursing courses.</p>		<p>Promote computer classes available on campus and in the SoN.</p> <p>Help faculty design learning activities compatible with their content to encourage students to use IT.</p>

GOAL 5. Faculty, staff, and students will be challenged to incorporate nursing informatics concepts and new technology into their professional and scholarly activities.

Strategy	Outcome	Progress Since Last Vision Request	Resources Needed	Plans to Complete
<p>Provide incentives to incorporate new technology into their professional and instructional activities</p> <p>Faculty are assisted to appreciate and develop skills using the numerous new IT tools available</p> <p>Faculty are assisted to create and use new technology in their courses</p> <p>a. Multimedia in classes</p>	<p>Dean facilitates release time for faculty to plan and create course materials using new technology</p> <p>Faculty receive merit, promotion, and tenure credit for creative use of IT and communication strategies in their instruction and or research</p> <p>Faculty enthusiastically adopt new techniques to handle professional and course-related tasks</p> <p>Faculty conduct professional and school business from home or remote locations when traveling</p> <p>Funds are available for faculty to develop courses using new technology</p> <p>Faculty experiment with new methods of instruction</p>	<p>A faculty committee on IT was created to facilitate diffusion of ideas.</p> <p>Faculty continue to increase their knowledge of and use of IT/MM in their teaching strategies</p> <p>Faculty are using Bb, and/or e-gradebook.</p> <p>LC created a Bb 'community' to post skills videos.</p>	<p>Funds for staff and equipment.</p> <p>More computer power on faculty desktops. They want to use more IT in their courses, but often memory or speed makes the tasks too tedious.</p>	<p>Upgrade faculty computers as funds/ equipment come available</p> <p>Continued recognition of IT accomplishments of faculty</p> <p>Continue to update faculty computers.</p> <p>Consult with faculty encouraging use of other IT methods.</p>
<p>Simulation Lab will feature nursing information systems currently in use in area facilities</p>	<p>Undergraduate students see various methods of using IT techniques to enhance nursing care</p>	<p>"Tapping into" local Hospital Information systems continues to be fraught with technical problems.</p> <p>Added three high</p>		<p>Looking into a new product, <u>NurseSquared</u></p> <p>Continue to implement simulations in</p>

**Goal 5. (con't) Faculty, staff, and students will be challenged to incorporate nursing informatics concepts and new technology into their professional and scholarly activities.**

Strategy	Outcome	Progress Since Last Vision Request	Resources Needed	Plans to Complete
Support ANGS, Nursing, Student/faculty organization, and course communication strategies	The SON is a resource for updating the IT skills of practicing nurses	fidelity simulators.  Conducted several training sessions to prepare faculty to institute simulations in their courses.		clinical courses.

GOAL 6. Accurate, timely technical consultation will be available to students, faculty, and staff.

Strategy	Outcome	Progress Since Last Vision Request	Resources Needed	Plans to Complete
<p>Provide staff with needed skills to consult on or perform needed technical skills</p>	<p>Adequate personnel with the needed skills are available to the faculty, staff, and students</p> <p>Staff participate in University training and interest groups</p> <p>All faculty, staff, and students know the IT staff and how/who to contact with questions</p> <p>University resources are advertised and used by faculty, staff and students, as appropriate</p>	<p>The School continues to outsource the management of student computer network to ITS. This has been a good arrangement for our small lab.</p> <p>Added a LAN Administrator to the IT staff.</p>		<p>Continue with ITS contract to manage student computer network.</p> <p>Continue to train and deploy staff.</p>

GOAL 7. Nursing informatics and information technology content will be integrated into the curricula.

Strategy	Outcome	Progress Since Last Vision Request	Resources Needed	Plans to Complete
<p>Courses will have appropriate learning activities that contribute to the students mastery of IT skills</p>	<p>Students will exhibit developing IT skills as they advance through the programs of the School</p> <p>Graduates of the School will be computer literate</p> <p>Appropriate IT activities are integrated into the various courses. Faculty volunteer to design and implement IT activities.</p>		<p>Time and support to develop skills using equipment and software.</p>	<p>Perfect type and methods of presenting IT skills in the nursing curriculum. Continue to focus on pre-nursing students, due to course load of professional sequence. Reassess the IT activities in courses and suggest new ones.</p>
<p>Incorporate IT techniques that support patient care at School's nurse-managed clinics</p>	<p>Students enter patient data in electronic records and generate reports</p> <p>Students develop management plans and budget projects based on actual clinic data and cost analyses</p> <p>Students develop outreach programs and communication links for community being served</p> <p>Students audit patient procedures and outcomes, developing quality improvement strategies</p> <p>Students use data to assist in decision-making processes</p>			<p>.</p>

GOAL 7. (con't) Nursing informatics and information technology content will be integrated into the Curricula.

<b>Strategy</b>	<b>Outcome</b>	<b>Progress Since Last Vision Request</b>	<b>Resources Needed</b>	<b>Plans to Complete</b>
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GOAL 8. Resources will be identified and allocated for acquisition, support, enhancement, maintenance, and protection of technology.

Strategy	Outcome	Progress Since Last Vision Request	Resources Needed	Plans to Complete
<p>Write and provide justification for a budget covering the technology needs to be funded from general revenue</p> <p>Recommend strategies to enhance the School's use of resources</p>	<p>Adequate funds are available for the maintenance, replacement, and upgrade of School technology</p> <p>Adequate sources of funding to support the IT needs of faculty, staff, and students are available.</p> <p>Administration and faculty use appropriate tools to conduct the business of the school.</p> <p>Faculty, staff and students are involved in the decision-making process concerning the use of Student Information Technology Funds.</p> <p>Assure that resources available to the faculty, staff, and students are used to their fullest potential.</p>		<p>Dedicated accounts for IT resources.</p> <p>Sources of new money.</p>	<p>Continue to make case for dedicated accounts for IT resources</p> <p>Continue to improve faculty productivity through better use of School resources servers, website, e-mail, etc.)</p> <p>Continue to Encourage students and faculty contributions to the development of the IT Strategic Plans.</p>
<p>Provide sufficient security for the School's equipment</p>	<p>There are no losses or thefts of School IT equipment.</p>			<p>Maintain security system.</p> <p>Monitor checkout system and insurance procedures for major pieces of equipment.</p> <p>Add improvements to check-out system to promote dependability and</p>

GOAL 8. (con't) Resources will be identified and allocated for acquisition, support, enhancement, maintenance, and protection of technology.

Strategy	Outcome	Progress Since Last Vision Request	Resources Needed	Plans to Complete
				accuracy of data entry.

GOAL 9. The University community will be informed of the role of nursing informatics and information technology in nursing and health care.

Strategy	Outcome	Progress Since Last Vision Request	Resources Needed	Plans to Complete
<p>Provide information about the various way NI &amp; IT is used in nursing practice, education, and research</p>	<p>University community, officials, faculty, and staff will know how the School of Nursing is using IT strategies in the nursing practice, education, and research</p> <p>Faculty participate in University committees and IT activities.</p>			<p>Include information about IT in nursing in School's PR pieces</p> <p>Continue to update and improve the School's website and information pieces about the School.</p>