



**FY 2006 DEPARTMENT ANNUAL REPORT
OF CONTINUOUS IMPROVEMENT**

Department of Allied Health

College of Health and Life Sciences

Fort Hays State University

June 30, 2006

DEPARTMENT OF ALLIED HEALTH

I. DEPARTMENT OVERVIEW

The Allied Health Department curriculum provides students with the opportunity to enter a variety of careers in the areas of medical diagnostic imaging to include radiologic technology, computed tomography, magnetic resonance imaging, diagnostic medical sonography, cardiovascular-interventional technology, bone densitometry, and mamography. The department offers two degree options: an Associate of Science in Radiologic Technology and a Baccalaureate of Science in Medical Diagnostic Imaging (MDI) or a Baccalaureate of Science in Medical Diagnostic Imaging with an emphasis in Diagnostic Medical Sonography. Approximately 30-35 new students are accepted into the RT program each year with an additional 45-50 students being accepted into the MDI program. The didactic education is provided with six highly qualified faculty with individual expertise in specific modalities. In addition, over 18 adjunct faculty/clinical instructors assist with the clinical education at the respective clinical affiliates throughout the state of Kansas, Nebraska, and Colorado. Graduates of the various programs are highly sought out, evident with the 100% graduate job placement of those seeking employment. Additionally, several graduates each year pursue advanced health programs beyond the FHSU baccalaureate degree such as nuclear medicine, radiation therapy, physician assistant, and medicine.

A. Mission & Vision Statements

The programs offered within the Department of Allied Health are based on the foundation of Fort Hays State University, a liberal arts college, established to meet the needs of the students and communities of western Kansas. One particular community need that is becoming more evident is the lack of imaging professionals in rural areas. To help meet this increasing demand, the department strives to recruit and educate students of outstanding ability to perform this vital role in the health care team.

Through individual instruction, the programs provide excellent instruction, at both the campus and the clinical setting. In the programs, students learn the academic theory on campus and then apply their knowledge in the affiliated clinical education center with patients under the supervision of qualified hospital staff and physicians. During both aspects of the students' training, special emphasis is given to the need for empathy and compassion for the patients.

The programs are continually evaluated to improve the educational opportunities provided to students and the quality of graduates providing health care in Kansas. By fulfilling its mission, the department improves the quality of health care throughout the state of Kansas.

B. Department Goals, Objectives & Strategic Priorities:

The Department of Allied Health experienced continued growth. The SCH, and the SCH/FTE within the past year have all increased. The department program faculty continue to increase their efforts in ensuring a progressive approach to implementing current technological advancements within all of its programs. To this end, the department goals, objectives and strategic priorities focus on these components for FY2007 while maintaining the high quality programs that are offered within the Allied Health Department.

Continued accreditation of the Associate Degree Radiography Program with the Joint Review Committee on Education in Radiologic Technology continues to be the number one goal of the department. The application and self-study reports were submitted in December 2005. Visitation dates for the site team are currently being arranged. The program site visit shall commence in October or November 2006. The goal is for a successful visit with a maximum award of continued accreditation.

The department is one of four in the College of Health & Life Sciences participating in the Year of the Department. This project encompasses many processes. It will assist the department in improving all programs offered, crucial in an ever-changing technologically driven arena. Ensuring that all faculty are actively involved in this process is important. With all faculty involvement, the underlying goal is to ensure that desired outcomes coincide with the individual program mission and goals. Working through the systematic strategies, the department faculty strive to improve and implement changes with regard to objectives, missions, assessments, and outcomes.

The addition of another FTE this past year has been instrumental in developing new courses to increase the course offerings available for distance education within the MDI program. This remains a goal for the next year as the department develops a strategy for implementing more courses via a distance format for those radiographers working in the clinical environment. To date, the department has increased the number of on-line courses. The goal for the next year, is to identify and develop additional on-line courses for a potential new market. The department continues to receive increased inquiries of registered technologists seeking distance courses to complete the requirements of the BS degree in MDI. The department faculty will need to establish a strategic planning session to further pursue increasing distance learning opportunities

The ultrasound program has had two successful graduating classes, with the third currently completing the clinical experience. A final goal is to submit application and the self-study for accreditation of the FHSU ultrasound curriculum with the Joint Review Committee on Education in Diagnostic Medical Sonography.

The Strategic Priorities are included on the Brand Essence Statement of the Allied Health Department contained within Appendix A. Additionally the Affinity diagrams for the department programs are found within Appendix B.

II. DEPARTMENT HIGHLIGHTS

A. Department Productivity & Other Distinctive Departmental Accomplishments

The department was successful through the strategic planning process this year having all three action plans supported. Most significant, the department received one-time action plan money to purchase a computed radiography system for the radiology positioning laboratories. This will be instrumental in preparing the students for their clinical experiences and assisting in ensuring accreditation standards for equity in educational experiences is met. In addition, this will play a vital role in the recruitment of potential candidates. Having the updated technology available at FHSU will assist in showcasing the outstanding campus facilities. Potential students will appreciate the benefits that the FHSU radiology program has to offer. Having this type of technology available prior to the any clinical experience, really separates the program from others throughout the state.

The productivity of the Department of Allied Health excels in various instructional, service and scholarly activities. The following is a summation of the productivity and distinctive accomplishments in each area:

Instructional/Advising Activity:

- In FY 2006, the number of courses being taught in the department increased. There was a slight increase in SCH production of 1.5% compared to a 16% increase in FY 2005. The number of majors slightly decreased this past year. The SCH per FTE remains high at 575.
- The number of degrees granted increased by 26, or near 30%. Some of this is due to graduates completing the MDI program in the summer or Fall semester.
- The department faculty recruitment efforts continue to remain high. The faculty expend their efforts within recruitment activities through campus activities, attendance at SRPs, and again, hosting the annual recruitment session with the Trego Community High School Biology students. The department hosted an open house during the first week of school for prospective students to visit. Also, during National Radiology Technology Week, the department hosted another open house to showcase the history of radiology, the campus facilities and equipment available to students, and programs that the department offers. The department contacted over 715 prospective students throughout Kansas, Nebraska, Missouri, Oklahoma, Arizona, and Colorado for the RT, MDI, and MDI with emphasis in ultrasound programs. The total number of advisees slightly decreased from 223 in the Spring of 2005 to 213 in Spring 2006. This is most likely the result of the competitiveness of the radiology program and stabilization of the market. There was only a slight decline in the number of new freshman and transfer students by 3 and 9 respectively.
- FHSU students participated in various activities of the annual Kansas Society of Radiologic Technologists state meeting held in Topeka, KS in April. The students participated in the Ray Bowl Competition (quiz bowl), in which students compete against other students from radiology programs across Kansas. Kristina Campbell received the highest overall score on the written examination component competing against 80+ other students throughout the state. Since the inception of this competition, FHSU students have earned this great achievement 5 out of the 7 years. In addition, in the team competition, the FHSU team consisting of Kristina Campbell, Monica Lever, and Ashley Schaben, placed first in the final competition. FHSU Radiology students have placed 1st, 5 of the past 7 years. Students also

had the opportunity to enter the scientific exhibit, paper, and radiographic film competitions. FHSU student, Ashley Schaben, placed 1st in the scientific exhibit competition. Tessa Bodine placed first with the humerus category film competition. The FHSU radiology department was once again well represented by outstanding student achievements.

- The Department had several senior students and faculty that were nominated for the Torch and Pilot Awards. This is the first year, one of the Allied Health/Medical Diagnostic Imaging senior students was selected as a finalist for the Torch award. This senior student was also the recipient of the Outstanding Senior student for the College of Health & Life Sciences.

Service/Scholarship Activities:

- Ms. Christa Weigel completed the terminal degree and has presented research findings and has successfully published those findings in the peer-reviewed journal *Radiologic Science & Education*. Ms. Weigel also published another peer-reviewed article regarding mentoring among faculty members in *Radiologic Science & Education*.
- Ms. Denise Orth completed the terminal degree with a successful thesis defense for Communication Apprehension Influences in Radiologic Technology Students.
- Dr. Mike Madden co-authored several chapters in *Radiographic Positioning and Procedures: A Comprehensive Approach*. In addition, he completed his second editions of *Introduction to Sectional Anatomy* and *Sectional Anatomy Review* and are currently in press.
- Ms. Jennifer Wagner received firm acceptance with Delmar Publishing, co-authoring a Mamography Registry Review textbook in progress with tentative publication in Fall 2006.
- Mr. Jeff Berry presented the poster The Bystander Effect: Another Dynamic in Cellular Response to Radiation during the FHSU Research and Creative Activity Week.
- Dr. Mike Madden serves on the Kansas Idea Network of Biomedical Research Excellence Steering Committee responsible for developing a plan for continuation and expansion of the Kansas Biomedical Infrastructure Research Network. He also serves as a technical advisor for the National Atomic Museum: America's Museum Resource for Nuclear Science and History in Albuquerque, New Mexico.
- Dr. Mike Madden continues Chairman of the Editorial Review Board of the *Radiologic Technology Journal of the American Society of Radiologic Technologist*. He also continues to be a member of the Editorial Review Board, *Association of Educators in Radiologic Sciences Journal*.
- Denise Orth continues her appointment to the American Society of Radiologic Technologists Practice Standards Advisory Council. At the state level, she was appointed Chair of the Publicity Committee and webmaster for the state society, Kansas Society of Radiologic Technologist.
- Mr. Jeff Berry was awarded two individual grants for biomedical research through the Kansas Biomedical Research Infrastructure Network.
- Ms. Jennifer Wagner submitted application for the College of Health & Life Sciences (CHLS) faculty teaching grant to secure resources for breast imaging in the mammography and breast ultrasound courses. Ms. Wagner was the recipient of the CHLS faculty teaching grant of \$500.
- Increased the number of volunteers and the efforts of volunteers for the Annual Tiger Call/phonathon. The department continues to raise more scholarship dollars over the past 5 years since becoming actively involved. The Department was awarded the Outstanding Department Tiger Call Team for 2005-2006.

B. Key Performance Indicators

Key Performance Indicator	Baseline FY2005	Actual FY 2006	Goal FY 2007
Number of New Freshmen	42	39	45
Number of Transfer Students	23	17	25
Number of Majors:			
Undergraduate first majors	223	213	225
Undergraduate second majors	86	87	90
Graduate majors	0	0	0
MLS students	0	0	0
Student Credit Hour Production:			
Undergraduate	3402	3453	3500
Graduate	0	0	0
FTE Faculty:			
Tenured or Tenure Track Faculty	3	4	4
Non Tenure Track Faculty	3	2	2
Other Faculty	0	0	0
Degrees Awarded:			
Undergraduate	60	86	65
Graduate	0	0	0
MLS	0	0	0
Scholarly Activity:			
Number of books, book chapters, and refereed articles published	2	8	8
Percent of faculty publishing refereed books, chapters, or articles	33%	33%	50%
Number of non-refereed articles and presentations	21	3	15
Percent of faculty publishing non-refereed articles or presentations	100%	50%	100%
Number of scholarly performances and other creative activities	0	5	10
Percent of faculty in scholarly performances or other creative activities	0%	66%	66%
Total number of external grant applications submitted/percent of faculty submitting	2/33%	2/17%	2/33%
Total number of funded external grants/percent of faculty funded	2/33%	4/33%	2/33%
Service Activity:			
Percent of faculty meeting acceptable standard of service activity	100%	100%	100%
Percent of faculty meeting exceptional standard of service activity	100%	100%	100%

<p>Assurance of Student Learning:</p> <p>Outcome/Indicator 1 – Pass rate for ARRT Radiologic Technology Examination</p> <p>Outcome/Indicator 2 – Percentage/pass rate of capstone course: Seminar: Registry Review/TEVAL indicator of student amount of material learned</p>	<p>97%</p> <p>100 % pass rate</p> <p>4.48</p>	<p>(pass rates not yet reported by the ARRT)</p> <p>100% pass rate</p> <p>4.89</p>	<p>100 %</p> <p>100%</p> <p>4.8</p>
<p>Other Department Key Performance Indicators:</p> <p>Outcome/Indicator 1 – Contact with prospective students through department brochure information requested & mailed</p> <p>Outcome/Indicator 2 – Faculty attendance/support at Scholarship Recognition Programs/percent of faculty participating</p> <p>Outcome/Indicator 3 – Student involvement in life-long learning/professional development activities at the state or national level. Measure the number of students in the RT/MDI programs/Percentage of attendance of student members at the professional meetings/continuing education.</p>	<p>515</p> <p>5 of the 6 faculty represented the department for at least 1 program; department represented at all SRP programs with awardees in attendance</p> <p>Total of 87 students in the RT/MDI programs/50.6% of attendance</p>	<p>713</p> <p>all 6 faculty represented the department for at least 1 program; department represented at all SRP programs with awardees in attendance</p> <p>Total of 84 students in the RT/MDI program/58.3% of attendance</p>	<p>750</p> <p>all 6 faculty represent the department for at least 1 program; department represented at all SRP programs with awardees in attendance</p> <p>Total of 85 students anticipated in the RT/MDI program/70% attendance</p>

D. Current Quality Initiatives & Results

FY 2006 Quality Initiatives	Results
<p>INITIATIVE NUMBER ONE: Program Accreditation</p> <p>Obtain continued accreditation status of the associate degree radiography program sponsored by FHSU through the Joint Review Committee on Education in Radiologic Technology.</p>	<p>The application and self-study report were submitted in December 2005. The site visit team's scheduled visit is currently being arranged with the visit occurring in October or November of 2006. This will be an on-going initiative for the 2006-2007 academic year. The program faculty, RT Program Director, and Chair will be responsible for this initiative.</p>
<p>INITIATIVE NUMBER TWO: Curriculum Revision</p> <p>Review and modify radiologic technology imaging curriculum to align with the American Registry of Radiologic Technologist recent changes in content outline for the national registry.</p>	<p>Faculty incorporated digital imaging, computed radiography, PACS introductory concepts into the radiology exposure and positioning course content reflective of the content outline. Through action plan funding, the department was also able to purchase a computed radiography system for the campus laboratory facilities. This was included with our long term strategies for improvement to reinforce this quality initiative. With this technology, the program will be able to ensure the latest technological advances are available for student learning on the FHSU campus. In addition, the integration of this technology into the curriculum enables the program to ensure equitable learning experiences for all students with relation to computed radiology imaging, satisfying accreditation standards with the JRCERT.</p> <p>The curriculum will continue to be evaluated through the academic audit of 2006-2007. The program faculty, RT Program Director, and Chair will be responsible for this initiative.</p>

FY 2007 Quality Initiatives	Resources & Plan
<p data-bbox="186 306 771 333">INITIATIVE NUMBER ONE: Program Accreditation</p> <p data-bbox="186 369 820 485">Maximum award and continued accreditation status of the associate degree radiography program sponsored by FHSU through the Joint Review Committee on Education in Radiologic Technology.</p>	<p data-bbox="852 369 1485 667">The application and self-study was submitted in December of 2005. The site team visitation is currently being arranged for October or November. Site visit and program accreditation fees are supported through action plan funding. With preliminary statements, the site visit report, and final JRCERT report, the program director and faculty will determine changes, for compliance and strive for maximum award of continued accreditation status. The RT Program Director and Chair will be responsible for this initiative.</p>
<p data-bbox="186 1041 792 1098">INITIATIVE NUMBER TWO: Year of the Department: Program Assessment Plans</p> <p data-bbox="186 1134 782 1249">Although the department will be focusing on all steps involved in the academic audit, one main focus is the revision and/or development of assessment plans for all degree programs.</p>	<p data-bbox="852 1134 1477 1432">All faculty will work cooperatively through the academic audit process to search best practices, evaluate other assessment plans both within and outside the profession, and utilize supplemental resources available for the academic audit on campus. Cooperative revision of the radiography program assessment plan and development of both the medical diagnostic imaging and emphasis in ultrasound curriculum assessment plans are the expected outcomes. All department faculty and the Chair will be responsible for this initiative.</p>

III. Strategic Plan & Opportunities for Improvements for FY 2006

A. Department Reflection of Strengths, Weaknesses, Opportunities & Threats

The Department of Allied Health faculty members contribute/provide input to the strategic planning process through an informal process each year. The first SWOT analysis was conducted in 1996. Since that initial process, the strategic planning process has only been conducted through informal feedback sessions each year. A SWOT analysis was implemented in 2004. It consisted of faculty providing feedback within the categories of the SWOT analysis. The feedback provided through this SWOT analysis process was circulated to all faculty for further feedback. The department has utilized the feedback in development of goals, strategic plans and opportunities for the future. The department will implement this formal process every 3 years. The following is the analysis conducted.

Strengths	Weaknesses/Needs
<ul style="list-style-type: none"> • Accredited through the Joint Review Committee on Education In Radiologic Technology (JRCERT) – received 8 year accreditation award in 2002 • Only college in Kansas to offer a baccalaureate degree in Medical Diagnostic Imaging (MDI) • Very diverse faculty with areas of expertise • Versatile baccalaureate degree program to allow students the opportunity to obtain additional clinical experience in specialty areas beyond diagnostic radiology technology • Program faculty teach curriculum to support a near 100% pass rate for the American Registry of Radiologic Technology (ARRT) examination • Campus classroom facilities and laboratory facilities are conducive to learning, allowing students to develop a strong foundation of clinical skills prior to assigned clinical rotation • Small didactic and laboratory courses to allow low student to faculty ratio • Evolution of clinical blackboard curriculum has allowed equitable didactic education amongst all clinical facilities as recommended by JRCERT • Students are assigned to one clinical facility for entire length of clinical experience • Exceptional reputation of the programs • Provide rigor in the program curriculum • Provide graduates for employment within a large geographic area • Significant faculty and student involvement in professional activities • Able to maintain OOE/level of support/resources with growth in the department during difficult budgetary constraints • Expansion of the MDI program to provide curriculum/degree with emphasis in ultrasound • With significant recruitment of students from Nebraska and more recently Colorado, the mid-state/MSEP tuition program essential • Low tuition compared to other regents institutions and surrounding states tuition for students coming out-of-state • Increase in prospective students applying for the programs; applicant pool exceptionally highly qualified candidates; able to accept most qualified candidates for the program; increased competitiveness 	<ul style="list-style-type: none"> • Large number of applicants; small group accepted each year • Students obtain clinical experience at one location • Difficulties to replace outdated equipment with limited or no available resources • Lack of collaboration/partnerships/support of alumni of the programs • Salary disparity between academia and clinical practice • Clinical education throughout large geographic area (Kansas, Nebraska, Colorado) • Diversity of clinical education facilities will make it increasingly difficult to offer equitable clinical rotations (for example departments with regular film/screen imaging compared to more updated departments having digital technology) • Program curriculum needs to be revised to incorporate digital imaging technology • Lack of patient diversity in practice laboratory sessions • With changing technology and expanding national registry (ARRT) requirements, department should re-evaluate program curriculum and implement any potential curriculum revisions • Expense of imaging equipment makes it more challenging to instruct the competency based experiences: phantoms, digital imaging equipment, ultrasound equipment, etc... • Student involvement in professional activities/organizations; life-long learning activities • Recruit more diverse population of potential students

Opportunities	Threats
<ul style="list-style-type: none"> • Expansion of program to include potential new clinical affiliates • Growth of the number of students within the programs with additional clinical affiliates • Potential for certificate programs within computed tomography, magnetic resonance imaging, cardiovascular technology, mammography, and bone densitometry • Maintain reputation as one of the top programs throughout the region • Develop more rapport and partnerships with alumni of the programs • Assess potential new sources of revenue for scholarships and/or equipment with corporate or alumni sponsorship • Provide workshops for all clinical instructors of clinical affiliates associated with the program to assist them in their role as adjunct faculty for the program; offer 1-2 times a year • Development of on-line courses/curriculum in advanced imaging to offer practicing radiologic and diagnostic imaging technologists the opportunity to obtain a baccalaureate degree in Medical Diagnostic Imaging • Growth of the MDI program with the dedicated ultrasound curriculum • Potential growth in current approved courses along with consideration of new course offerings to be developed • Growth of faculty within the department to allow diversification/specialization within specific modality to aid in current and future course offerings • Could seek other potential clinical affiliates in Kansas, Nebraska, and Colorado (limited by resources available) • Increase recruitment activities through regional high schools and Kansas junior colleges for potential new freshmen and transfer students; potential recruitment of exceptional students • With changing technology and expansion of national (ARRT) registry requirements, program curriculum should be examined and expanded if deemed appropriate • Collaborative efforts with departments within the College of Health & Life Sciences <ul style="list-style-type: none"> ○ Develop collegiality among faculty from other departments for collaborative projects ○ Combine resources for collaborative efforts ○ Provide diversity involving students across the disciplines to work collaboratively • Increased marketing opportunities with development of departmental brochures • New sources of revenue • Aging population 	<ul style="list-style-type: none"> • Surrounding programs developing curriculum to match that of the Allied Health Department RT and MDI program curriculum • Surrounding programs offering advanced level training courses/curriculum that may be in direct competition with our MDI program curriculum • Surrounding programs developing more on-line components for advanced imaging sciences • Constant technological advances; difficult to keep abreast of advances; additionally difficult to provide these technology advances for student learning on campus without adequate funding for equipment • Long-term viability/stability of current clinical affiliates • Demand for additional courses with existing faculty • Loss of clinical affiliates • Staffing shortages reducing the potential number of students at clinical facilities • Decreased OOE/other departmental funding with further state budgetary constraints

B. Opportunities for Improvement

Short Term OFI	Resources Required	Expected Outcome & Completion Date
<p>Development of new courses for continued expansion of the MDI program.</p>	<p>Those faculty members with expertise in the advanced modalities of radiology and willingness to assume new teaching responsibilities will continue to develop courses to be offered through the virtual college for the MDI program. This course development will be generated for those radiographers wanting to pursue a baccalaureate degree via distance format.</p> <p>Faculty members may need some course preparation time to develop these courses. Faculty member(s) would need updated textbooks/resources for development of this course which would be available through the department. Faculty will need to submit course approval forms. Additional resources for development of the course are available through the department.</p>	<p>Development of new courses to ensure 30 hours of distance coursework required for the BS in MDI major. This will require approximately 3-4 courses, approximately 10 total credit hours to offer these major courses for the degree via distance format. The expected outcome is to have developed and to offer 30 hours of major courses for the BS in MDI beginning the 2007-2008 academic year, and thus increasing the number of majors within the MDI program.</p>
<p>Create access and utility of images within the film library for faculty and student learning.</p>	<p>Purchase a film digitizer with the capabilities to convert plain-film radiographs to digital format for viewing. This will require a work station with necessary software and a digitizer.</p> <p>The conversion will be time consuming and will require a student work-study assistant to scan all images and store in appropriate files to the workstation.</p>	<p>Acquire the film digitizer with work station and appropriate software 2006-2007. With this acquisition, the work study student will scan, save, and organize the images accordingly. With the creation of this electronic film library, the desired outcome is to increase the accessibility and utilization of the various case studies by both faculty and students to assist in student learning in both on and off campus courses.</p>

Long Term OFI – Strategic Initiatives	Resources Required	Expected Outcome & Completion Date
<p>The department has the responsibility to prepare students with didactic and clinical education as the imaging field rapidly changes across all modalities. To meet the expanding technological advancement and curriculum requirements, it will be necessary to replace one of the existing, outdated, radiographic rooms within the radiology laboratories. Currently, none of the radiographic laboratory rooms is capable of automatic exposure control (AEC), fluoroscopy concepts, or ability to perform reciprocating bucky examinations. The strategic initiative is to purchase a new radiographic/fluoroscopy system with automatic exposure control (AEC) and a reciprocating bucky system. This is currently a limitation with image quality using the current radiographic equipment in room 2 cooperatively with the recently installed computed radiography system. It is an opportunity for improvement in the RT and MDI program curriculum. Additionally, the FHSU RT and MDI programs strives to be in the forefront of this technological endeavor when compared with other RT programs throughout the state.</p>	<p>Purchase a new radiography/fluoroscopic (R/F) unit to replace room #2 in the radiographic laboratories.</p> <ul style="list-style-type: none"> ○ Estimated costs \$140,000 	<p>Submit action plan through strategic planning process for either full funding of the (R/F) imaging system or matching funds from MDI program funds</p> <ul style="list-style-type: none"> ○ FY 2007 &/or FY 2008 <p>Expected outcome is to facilitate student learning of difficult exposure concepts while on-campus, prior to the clinical experiences, with advanced technological equipment. In addition, to provide students with a laboratory environment necessary to ensure student preparation of R/F imaging concepts.</p> <ul style="list-style-type: none"> ○ Clinical preparedness surveys ○ Required clinical competency ○ Review of Seminar of Registry Review course detailing student assessment of this material

<p>As the Department establishes the general and vascular components of the ultrasound curriculum, a long term goal is to support the addition of a cardiac component. The cardiac component would be either a separate or additional track to the current curriculum. Through the Sunflower Foundation grant and other supported funds, the department purchased a PC based ultrasound unit with cardiac capabilities. The need for this long term goal besides all the development of the curriculum would be to purchase a cardiac ultrasound transducer for the equipment. The department faculty ensured that the current equipment purchase would have the necessary cardiac package with the equipment so that the only additional purchased would need to be the transducer component.</p>	<p>The department would need to develop the curriculum for the cardiac component and purchase a cardiac transducer compatible for the current equipment. The estimated cost for a cardiac transducer (projected cost) would be approximately \$14,000. Adjunct faculty would need to be hired to teach in the curriculum or additional campus faculty training within echocardiography would be necessary through support of faculty attendance at educational training sessions</p>	<p>Review of the existing American Registry of Diagnostic Medical Sonography echocardiography curriculum for the development and implementation of the cardiac curriculum. The program faculty would submit an action plan through strategic planning process for either full funding of the cardiac transducer or matching funds from the MDI program fund FY 2008 depending on potential fund availability and faculty education</p> <ul style="list-style-type: none"> ○ Addition of cardiac curriculum to the program beginning with class of 2008 ○ Provide highly qualified cardiac sonographers increasing the quality of health care in Kansas
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