

**ASSOCIATE OF APPLIED SCIENCE  
IN  
PHYSICAL THERAPIST ASSISTANT**

Program Proposal

February 25, 2008



# Program Proposal

Dixie State College

Associate of Applied Science in Physical Therapist Assistant

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## Section I: The Request

Dixie State College of Utah requests approval to offer an Associate of Applied Science - Physical Therapist Assistant degree beginning fall, 2009. The institutional Board of Trustees approved the program on June 1, 2008.

## Section II: Program Description

**Complete Program Description:** The proposed Physical Therapist Assistant program will be an Associate of Applied Science degree program. Graduates of the program will be eligible for national licensure. The graduates will be knowledgeable and competent rehabilitation specialists who will work under the direction and supervision of licensed physical therapists. The graduates will be eligible to work in a variety of rehabilitation environments including but not limited to: hospitals and medical centers, skilled nursing and rehabilitation facilities, orthopedic in and out patient facilities, home health, and pediatric clinics. The proposed curriculum will be composed of approximately 69 credit hours. The enrolled students will participate in selected general and technical education courses that include: lecture, laboratory and clinical education experiences. General education lecture and laboratory courses will include: English, anatomy, physiology, psychology, mathematics and speech. Technical courses will include: kinesiology, physical therapy fundamentals, observation and measurement, physical agents, orthopedic pathophysiology and rehabilitation, neuromuscular pathophysiology and rehabilitation, and rehabilitation procedures for special clientele. The three 5 week full time clinical affiliations will emphasize developing clinical competence in fundamental skills and specific physical therapy treatment approaches used in orthopedic and neuromuscular rehabilitation.

The Commission on Accreditation in Physical Therapy Education (CAPTE) determines physical therapist and physical therapist assistant education curriculum requirements. CAPTE is the only recognized agency that can accredit physical therapist assistant education programs. CAPTE has established specific "Evaluative Criteria" that programs must follow when developing and implementing educational programs for future physical therapist assistants. The initial accreditation of the physical therapist assistant program will be for five years.

The curricular design of the physical therapist assistant program will meet the accreditation requirements of CAPTE. The program will be five semesters in length and include 69 credit hours including 21 credit hours of general education and 48 credit hours of technical education. Students will be admitted to the program through a competitive selection, limited entry process that will help assure graduates of the program are knowledgeable, competent, safe and ethical physical therapist assistants. Acceptance to the program will require completion of several prerequisite courses. The prerequisite information is outlined in the "Admission Requirements" section. Once students have completed the prerequisite requirements and are accepted into the program, they then complete the second through the fifth semesters as a cohort.

The proposed five-semester curriculum is found in Appendix A. The technical education course descriptions are found in Appendix B.

**Purpose of the Degree:** The purpose of the proposed degree is threefold. First, DSC is the recognized educational leader in the preparation of and the major source for trained health care professionals in southern Utah. As a result it is incumbent on DSC to continue to offer more health care educational opportunities in order to meet the expanding community need for various health care professionals. Second, the degree fulfills DSC's mission to provide associate degrees.

Third, one of the areas of need as recognized by the community and identified by the DSC administration is the extreme shortage of qualified physical therapist assistant graduates who have the knowledge and competence

necessary to effectively administer a physical therapy treatment program for patients/clients suffering from specific orthopedic or neuromuscular injuries or diseases. These treatment programs can be utilized in a variety of rehabilitation settings including: hospitals, long term care facilities, private physical therapy clinics, home health settings, burn clinics, rehabilitation centers and pediatric centers. The program will provide the learning experiences necessary to prepare graduates to successfully pass the national licensing examination. These learning experiences will include lecture and laboratory activities and three full time clinical education experiences.

**Institutional Readiness:** The physical therapist assistant program will be housed in the School of Science and Health. The School also houses many other health science programs including: dental hygiene, emergency care and rescue, medical radiography, nursing, phlebotomy, and surgical technology. As a result the School and College have the support services necessary for recruiting, advising and enrolling students in the physical therapist assistant program. Full time program faculty also will be available to assist and advise students on physical therapy curricular and professional issues. The College has an excellent relationship with Dixie Regional Medical Center administration and they have expressed a need for graduates of the program. In addition, Dixie Regional Medical Center has donated \$240,000 towards start-up costs for the program.

The new DSC Health Sciences building is located on the medical center campus and will be completed in spring, 2008. This three-story building will house all of the existing health science programs and the proposed physical therapist assistant program. The allocated space for the physical therapist assistant program includes two classrooms (1534 sq ft), one laboratory (1118 sq ft) and two storage rooms (537 sq ft). One classroom will be set up for lecture only and one classroom will be set up for lecture and laboratory activities. The facility also will house two typical offices for program faculty.

A list of laboratory equipment, supplies and anatomical models has been developed and is included in Appendix C. This list includes the lecture/laboratory tables and mats for one classroom, the treatment tables for the laboratory and the equipment, supplies and anatomical models for use during lecture and laboratory activities. The cost of these items can be found in the "Section V: Finance" of this proposal.

The Val A. Browning and the Dixie Regional Medical Center libraries currently have many of the recommended learning resources required for the program. The librarian for the Val A. Browning library was provided a list of specific physical therapy journals and periodicals that would be required for the program faculty and students. See Library and Information Resources for more library detail.

**Faculty:** The program will require two FTE faculty to provide instruction for the students. In addition to this major responsibility, one faculty will serve as the Program Director (PD) and one faculty member will serve as the Academic Coordinator of Clinical Education (ACCE). Due to workload limitation of the full time faculty, approximately four adjunct faculty will be required to assist with lecture and/or laboratory courses. The responsibilities of the program director will include the overall management of the program. These activities will include but are not limited to: leading the selection and hiring process of the ACCE; annual evaluation of the ACCE; identifying, employing and evaluating adjunct faculty; managing the program annual budget; monitoring, reviewing and recommending changes in the curriculum as necessary; hosting and participating in regularly scheduled advisory committee activities; working with other faculty members on program related matters; and participating in faculty governance activities. The many responsibilities of the ACCE will include: identifying and contracting with appropriate clinical education sites for student clinical affiliations as well as monitoring and ensuring student compliance with CPR certification, immunizations, background checks, drug screening, and professional liability insurance.

The program director must hold a Master's degree and may be either a physical therapist or a physical therapist assistant. The ACCE may be either a physical therapist or a physical therapist assistant and hold at least a Bachelor's degree. One of the two faculty members must be a physical therapist. In addition, the physical therapist must be licensed or eligible for licensure in the state of Utah. If eligible, the physical therapist must become licensed before the start of official classes of the first year students. The physical therapist assistant should be eligible for licensure. However, the state of Utah currently does not have licensure requirements for the physical therapist assistant; therefore, licensure is not required for the assistant. The physical therapy adjunct faculty must be licensed in the state of Utah or bordering states if they are from Arizona, Colorado or Nevada.

**Staff:** Secretarial staff will be needed for the effective management of the program. The proposed budget includes .33 FTE secretarial support for the program. The Health Sciences and Applied Technology Education advisor will provide academic and physical therapy profession-related advisement for interested and enrolled students.

**Library and Information Resources:** Specific rehabilitation journals and periodicals which will be required in the program have been identified and provided to the staff at the Val A. Browning Library in preparation for acquisition upon program approval and start up. The library has extensive learning resources in the Allied Health Sciences area. These resources include online databases, DVDs, and videotapes. Full text rehabilitation articles can be accessed through MEDLINE, the Biomedical Reference Collection and other databases. The librarian for the health science programs provides assistance for faculty in making new acquisitions, orienting students and developing discipline-specific reference assistance materials. Reference librarians are available online 24 hours a day, 7 days a week. Dixie Regional Medical Center's Medical Library is also available for DSC student use. Funds for the purchase of needed reference materials are included in the proposed start-up budget (see Section V: Finances).

**Admission Requirements:** The physical therapist assistant program is a limited entry program. Students applying to the program must successfully complete specific requirements before being accepted into the program. Selection criteria include:

- Submission of a complete Program Application on or before the deadline established by the program;
- Satisfactory communication skills as demonstrated through an interview with the Physical Therapist Assistant Program Selection Committee;
- Three letters of recommendation from instructors or employers from the past 5 years;
- Successful completion of prerequisite courses with a "C" or better;
- Minimum cumulative GPA of 2.75 or higher; and
- 40 hours of work-related or volunteer experience in a physical therapy clinic

The specific prerequisite course requirements included in the first semester of the five-semester program are: Anatomy lecture and lab, English, Speech Communication, Introduction to Physical Therapy, and Practice Issues. Other program and college requirements such as CPR/First Aid, immunizations, background check, and drug screening can be completed after acceptance into the program and prior to the end of the second semester of course work.

**Student Advisement:** DSC currently has in place sufficient professionals to assist with student advisement. There are academic advisors who can assist students with general education and graduation requirements. The Health Science and Applied Technology Education Advisor can assist students with the requirements and the steps to follow in order to gain acceptance in one of the health science programs. Physical therapist assistant program faculty will be available to provide program specific information and advice about professional issues.

**Justification for Graduation Standards and Number of Credits:** The USHE has established a maximum of 69 credit hours for Associate of Applied Science Degrees. In addition, the Commission on Accreditation in Physical Therapy Education (CAPTE) also has established 70 credit hours as the maximum for AAS Degree programs. CAPTE also requires that these credit hours be completed in five full-time semesters. Students deciding to take the general education prerequisites at a slower pace can do so. However, once students are accepted into the program they must complete the last four semesters of course work and clinical affiliations in the required sequence. The program curriculum includes three full-time clinical affiliations of 200 hours each. Students must maintain a 75% (C) or better in all of the required program courses. This criterion was established in order to help ensure that students are prepared for the national licensure examination. The criterion for passing the national examination is 75%.

**External Review and Accreditation:** DSC employed Joe Cracraft, PT, Ph.D. as the consultant to assist with the development of the initial proposal for the Physical Therapist Assistant program. Dr. Cracraft recently retired from the College of Southern Nevada, Las Vegas, NV. He was physical therapist assistant program director for 16 years prior to his retirement, June 30, 2007.

The DSC Physical Therapist Assistant Advisory Committee has been established in order to assist with determining the community and regional need for the program. Members of the committee include: representatives from Dixie Regional Medical Center, Kolob Regional Care and Rehabilitation (Cedar City, UT), Red Cliffs Regional Rehabilitation Center, Advanced Physical Therapy, The Balance Center, DSC Sports Medicine program and DSC Associate Dean of Health Sciences. The committee also will serve as an external review committee in working with the program director to develop and assess the effectiveness of the established curriculum. Additionally, the advisory committee will assist the program director with clinical affiliation sites and contracts, identifying adjunct faculty and other program related issues that may develop.

The Commission on Accreditation in Physical Therapy Education (CAPTE) is responsible for accrediting all physical therapist and physical therapist assistant education programs. Initial review, completion of the self-study, on-site visit and accreditation of the program will require two and one half (2 1/2) to three (3) years following official approval of the program by USHE. Final accreditation will be completed in conjunction with the graduation of the first class.

**Projected Enrollment**

Year	Student FTE	# of FTE Faculty	Mean FTE-to-faculty ratio	Accreditation Required Ratio
1	16	2	8 to 1	16 to 1
2	32	2	16 to 1	16 to 1
3	32	2	16 to 1	16 to 1
4	32	2	16 to 1	16 to 1
5	32	2	16 to 1	16 to 1

**Note:** This does not include adjunct faculty. The number of adjunct faculty will depend on DSC workload requirements and restrictions.

**Expansion of Existing Program:** The Physical Therapist Assistant program is a new program at DSC. As a result there is no current enrollment in the program.

### Section III: Need

**Program Need:** The current and projected demand for physical therapist assistants is outlined in the "Labor Market Demand" section below. The current shortage of physical therapist assistants in St. George has been identified. St. George is one of the fastest growing communities in Utah. As a result, the need for professionals in all health care fields will continue to expand as additional hospitals, subacute rehabilitation facilities, extended care facilities, outpatient clinics, rehabilitation hospitals and pediatric rehabilitation centers are developed. This demand will result in the need for a steady pool of rehabilitation specialists including physical therapists and physical therapist assistants.

The important mission of DSC is to provide the local community with needed health care professionals. DSC is the only institution capable of training the needed manpower to fill these projected positions in the greater St. George area.

**Labor Market Demand:** An on-line search for future career opportunities for physical therapist assistants indicated that there will be significant employment opportunities for graduates of the DSC program. The projections by the National Employment Matrix indicated that this demand is due to the following: increasing age of the population, increased elderly with chronic and debilitating conditions such as heart attacks, strokes and diabetes-related health problems, advances in medical development; increased survival rates, and demand for rehabilitation. The American Physical Therapy Association's Vision 2020 program projects that all physical therapist educational programs will be transitioned to Doctor of Physical Therapy by the year 2020. This may also lead to an expanded demand for physical therapist assistants. Recent changes in Medicare reimbursement rules will also have a positive effect on demand for licensed physical therapist assistants. These new rules require treatment by licensed personnel in order for the provider to receive payment for patient/client rehabilitation services

The projected employment outlook for Physical Therapy Assistants by Utah Department of Workforce Services for the period 2004-2014 has been given a Four Star rating out of a possible Five Star rating. Four Star occupations have a good employment outlook and relatively high wages. Utah's projection for PTA job growth during this time period is 5.3% annual increase with majority of the job growth being due to growth rather than replacement.

National annual median wages for physical therapy assistants is \$41,360 (U.S. Bureau of Labor Statistics), Utah state-wide average is \$36,890, with the Ogden-Clearfield metropolitan service area being \$39,170. As recently as February 2008, 50% of the PTA job openings in the state of Utah are in Washington County. The US Department of Labor Occupational Outlook Handbook 2008-2009 indicates that for physical therapist assistants "employment is projected to increase much faster than average." The handbook indicates that the projected growth will be 32% between 2006 and 2016. There is strong evidence supporting the continued need for physical therapist assistants.

Kiplinger.com, "Hot Jobs without a Four-Year Degree" reports that physical therapist assistant ranks number three of the top five professions not requiring a 4-year degree. The projected starting salary is \$37,890 per year. Kiplinger indicates this information is from the Bureau of Labor Statistics. Alison Doyle's About.com: Job Search indicates physical therapist assistant is one of the fastest growing professions in Health and Technology. Doyle lists physical therapist assistants 6th in the "Top Ten Fastest Growing Occupations: 2004-2014." For the 10 years periods 2004-2014 and 2006-2016 the expected demand for physical therapist assistants will increase 44% and 32%, respectively.

The proposed DSC physical therapist assistant program should be approved as it will meet the health care mission of DSC, be more cost effective for local students and will more adequately meet the community need for knowledgeable, competent, safe, and ethical physical therapist assistants.

**Student Demand:** Student demand is currently unknown; however, current anecdotal evidence indicates a potential interest/demand for the program. For example, current enrollments in the Introduction to Physical Therapy course at the College of Southern Nevada are 38 in the Internet course and 26 in the on-campus course. Over the past 4 years, first year enrollments in the physical therapist assistant program have resulted in full classes. Most recently, students enrolled in the program have traveled from Bullhead City, Arizona, Battle Mountain, and Mesquite, Nevada. The program has also received student inquiries from St. George, Utah. The Health Sciences and Technical Education advisor indicated that a number of students had asked about the program but no official statistics have been kept. The advisor indicated that student inquiries will now be recorded in order to provide accurate data for USHE personnel and the Commission on Accreditation in Physical Therapy Education (CAPTE).

**Similar Programs:** There are other physical therapist assistant programs in the intermountain region including programs in Nevada, Idaho, Arizona and Colorado. Salt Lake Community College also offers a physical therapist assistant program. None of the programs are in close proximity to St. George, UT and would require substantial expenses for local students wishing to attend one of these schools. Out-of-state tuition for the schools in Nevada, Idaho, Arizona and Colorado as well as relocation expenses make these educational options undesirable.

Historical data from the College of Southern Nevada (CSN), Las Vegas, NV indicates that students seeking technical education, including the health care related professions, are older students with ties to their local community. These students prefer to remain in their local community for their education and employment following graduation. For example, less than 1% of the approximately 120 CSN physical therapist assistant program graduates have moved out of the Las Vegas area.

The DSC and SLCC programs will be similar in curriculum content but the specific courses and clinical education sequencing will be different. Another difference is the total program hours, as the DSC program will include a maximum of 69 credit hours as apposed to the 70 credit hours minimum for the SLCC program. Appendix D includes the general information for the physical therapist assistant program, the list of courses and a typical five-semester program schedule for the SLCC program.

**Collaboration with and Impact on Other USHE Institutions:** Currently there is no collaboration with any of the regional institutions offering physical therapist assistant programs and there are no plans to initiate such a program. The DSC program should have no effect on enrollments at SLCC or other Utah institutions because of its location in southern Utah and the expenses involved in moving and attending DSC. In addition, the graduates from the program will have an opportunity to complete the Bachelor's degree in a related field at DSC and/or other USHE institutions.

**Benefits:** DSC is recognized by the local community as the primary educational source for preparing students/graduates to work in the needed health care and technical professions. The Advisory Committee identified the proposed program as an important area of need. The local rehabilitation community also recognized there is a shortage of qualified physical therapist assistants.

**Consistency with Institutional Mission:** The mission of DSC is "to transmit knowledge and skills primarily through education and training programs at the certificate and associate degree level, including applied technology education programs." As a result, DSC has taken steps to develop a healthcare professions core of programs. The proposed physical therapist assistant program is the college's response to meeting the southern Utah community need as wells as meeting the USHE and DSC missions.

The mission of the Utah System of Higher Education is to provide knowledge and skills for students enrolled in programs at the associate and baccalaureate levels, including applied science education in high-demand careers. The proposed A.A.S. degree in Physical Therapist Assistant is in a high demand profession and satisfies the role assignment for a Type II institution while fitting with in the Regents mission. The key points of the USHE Mission include "...provide high quality academic, professional and applied technology learning opportunities...for the citizens of Utah. The mission of the Board of Regents is to ensure fulfillment of the USHE mission. The Associate of Applied Science - Physical Therapist Assistant program's mission is consistent with and supports the missions of the USHE, the Board of Regents and the DSC. The program will provide specialized quality technical educational opportunities for students resulting in knowledgeable, competent, caring, ethical and quality-oriented graduates that will be eligible for national licensure. The graduates will provide physical therapy services to patients/clients who are experiencing disability, pain and temporary or permanent disability. The graduates will understand their responsibilities and role and scope of practice work under the directions of a licensed physical therapist.

#### Section IV: Program and Student Assessment

**Program Assessment:** The Commission on Accreditation in Physical Therapy Education (CAPTE) will review all aspects of the program during the initial accreditation process. Once accredited, CAPTE will require annual reports that will allow the commission to determine if the program is meeting the standards established by the commission.

The director of the program will be responsible for establishing the general program goals and the specific goals for the graduates. The general goals of the program will include:

- establishing an exceptional education program that will produce knowledgeable, competent, safe and ethical physical therapist assistants
- establishing an exceptional clinical education program that will enlist excellent clinical education instructors
- providing up-to-date information to potential students and the community on the current and projected need for graduates of the program.

Specific student goals should include development of graduates who:

- demonstrate the cognitive, psychomotor and affective skills necessary for effective treatment of patient/clients
- are familiar with the local, state and national rules and regulations governing the practice of physical therapy
- demonstrate behaviors that ensure patient/client safety
- are capable of passing the national licensing examination.

These specific goals will be expanded upon during the accreditation process.

The program director will implement an assessment plan. This plan will provide information on the steps involved in data collection and how the data are used to effect positive changes in the program. The program director will identify the direct linkage between the results of the assessment process and the implemented changes that will enhance the program. The major areas to be covered in this assessment process will include:

- Institutional policies and procedures
- Program policies and procedures, mission and philosophy
- Resources; Goals and objectives; Curriculum

- Clinical education program
- Performance of recent graduates
- Admissions process, criteria, and prerequisites
- Program enrollments
- Core faculty; Adjunct and support faculty
- Clinical education faculty.

The program director, the program faculty and the program advisory committee will identify specific graduate outcomes. These outcomes may include:

- demonstrating an understanding of their role and scope of practice
- demonstrating the technical skill and competencies required to effectively treat and progress their patients/clients according to the directions of their supervising physical therapist
- understanding of the importance of effective administration in the management of the place of employment
- demonstrating the appropriate safety techniques and precautions required to protect their patients/clients and themselves
- demonstrating effective written and verbal communication skills
- demonstrating an understanding of the psychological and motivational needs of the patients/clients and their families
- explaining why lifelong learning is important in meeting the unique needs of each individual patient/client and the future growth of the profession.

These graduate outcomes will provide the foundation for the development of specific course objectives that will be found in the individual course syllabi. As well, students will be evaluated regularly throughout the program by formative and summative student assessments including didactic, laboratory, and clinical examinations; demonstration of lab and clinical skills; and self-assessments.

Section V: Finance

Budget

<b>Financial Analysis for All R401 Documents</b>						
<b>Dixie State College PTA Program</b>						
	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	
<b>Students</b>						
Projected FTE Enrollment	16.0	32.0	32.0	32.0	32.0	32.0
Cost Per FTE	\$ 15,737.00	\$ 6,087.00	\$ 6,151.00	\$ 6,480.00	\$ 6,345.00	
Student/Faculty Ratio	8/1	16/1	16/1	16/1	16/1	16/1
Projected Headcount	16.0	32.0	32.0	32.0	32.0	32.0
<b>Projected Tuition</b>						
Projected Gross Tuition	43744	92737	98301	104200	110451	
Tuition Allocated to the Program	43744	82772	84839	33163	28851	
Student Lab Fees	4800	9600	9600	9600	9600	
<b>5 Year Budget Projection</b>						
	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	
<b>Expense</b>						
Salaries & Wages	\$ 138,775.00	\$ 144,386.00	\$ 150,318.00	\$ 154,827.00	\$ 159,471.00	
Benefits	\$ 31,224.00	\$ 32,486.00	\$ 33,821.00	\$ 34,836.00	\$ 35,880.00	
Total Personnel						
Current Expense	\$ 3,000.00	\$ 4,000.00	\$ 4,000.00	\$ 4,000.00	\$ 4,000.00	
Travel		\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	
Capital	\$ 77,000.00	\$ 10,000.00	\$ 5,000.00	\$ 10,000.00	\$ -	
Library Expense	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	
<b>Total Expense</b>	<b>\$ 254,999.00</b>	<b>\$ 198,372.00</b>	<b>\$ 200,639.00</b>	<b>\$ 211,163.00</b>	<b>\$ 206,851.00</b>	
			\$ 8.00			
<b>Revenue</b>						
Legislative Appropriation	\$ 175,000.00	\$ 118,372.00	\$ 120,639.00	\$ 178,000.00	\$ 178,000.00	
Grants (DRMC Donation)	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00			
Reallocated Funds						
Tuition Allocated to the Program				\$ 33,163.00	\$ 28,851.00	
Other						
<b>Total Revenue</b>	<b>\$ 255,000.00</b>	<b>\$ 198,372.00</b>	<b>\$ 200,639.00</b>	<b>\$ 211,163.00</b>	<b>\$ 206,851.00</b>	
<b>Difference</b>						
Revenue-Expense	\$ 1.00	\$ -	\$ -	\$ -	\$ -	
<b>Comments</b>						

**SIGNATURE PAGE**

Institution Submitting Proposal:	Dixie State College of Utah
School:	Business, Science and Health
Department:	Physical Therapy
Program Title:	Physical Therapist Assistant
Degree(s) to be Awarded:	Associate of Applied Science

**Institutional Signatures:**

_____ Lee G. Caldwell, President	_____ Date
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_____ Donna Dillingham-Evans, Chief Academic Officer	_____ Date
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_____ David Borris, Dean	_____ Date
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_____ Carole Grady, Associate Dean	_____ Date
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APPENDIX A

PROPOSED

PHYSICAL THERAPIST ASSISTANT CURRICULUM

COURSES AND SCHEDULES

FIRST SEMESTER			
Course	Number	Title	Credit Hours
BIO	2320	Human Anatomy	3
BIO	2325	Human Anatomy Lab	2
Eng	1010	Introduction to Writing	3
Comm	2110	Interpersonal Communication	3
PTA		Introduction to PT	2
PTA		Practice Issues	2
TOTAL			15

SECOND SEMESTER			
Course	Number	Title	Credit Hours
PTA		Kinesiology	2
PTA		Kinesiology Lab	2
PTA		Fundamentals	2
PTA		Fundamentals Lab	2
PTA		Observation and Measure	2
PTA		Observ. and Meas. Lab	2
BIO	2420	Human Physiology	3
BIO	2425	Human Physiology Lab	1
Total			16

THIRD SEMESTER			
Course	Number	Title	Credit Hours
PTA		Special Clientele	2
PTA		Special Clientele Lab	1
PTA		Physical Agents	2
PTA		Physical Agents Lab	2
PTA		Orthopedic Rehab	3
PTA		Orthopedic Rehab Lab	2
PTA		Pathophysiology I	2
PTA		Gerontology	1
PTA		Orthotics and Prosthetics	1
TOTAL			16

FOURTH SEMESTER			
Course	Number	Title	Credit Hours
PTA		Rehabilitation Psychology	2
PTA		Neuro Rehab	3
PTA		Neuro Rehab Lab	2
PTA		Pathophysiology II	2
PTA		Seminar	1
MATH FAC or PSY	1030 or higher 1500	Quantitative Reasoning HumanDev/Lifespan	3
	1100	HumanDevlpment/Lifespan	3
TOTAL			16

FIFTH SEMESTER			
Course	Number	Title	Credit Hours
PT		Clinical Affiliation I	2
PT		Clinical Affiliation II	2
PT		Clinical Affiliation III	2
TOTAL			6
Program Total			69

APPENDIX B

PROPOSED

PHYSICAL THERAPIST ASSISTANT CURRICULUM

COURSE DESCRIPTIONS

**DIXIE STATE COLLEGE OF UTAH**  
**PROPOSED PHYSICAL THERAPIST ASSISTANT CURRICULUM**

**PTA 001 Introduction to Physical Therapy 2.00 CR**

Students are introduced to the practice and profession of physical therapy including history, philosophy, licensure and ethics. Other topics include documentation and medical terminology,

**PTA 002 Practice Issues 2.00 CR**

Students review the "Guide to Physical Therapy Practice." The role and scope of practice of the physical therapist and physical therapist assistant is addressed. Students are also introduced to other health care professions and their role in the team approach to patient care and rehabilitation.

**PTA 003 Kinesiology 2.00 CR**

Students are introduced to the basic kinesiological and biomechanical principles of normal movement. Emphasis is placed on the importance of these principles in understanding and implementing treatment programs. Examples of how selected pathologies disrupt these principles and affect normal movement patterns are addressed.

**PTA 004 Kinesiology Lab 2.00 CR**

Students develop competencies in identifying anatomical landmarks and symmetry, muscle length relationships and contraction types, joint mechanics and function, and neurological control and effects.

**PTA 005 Physical Therapy Fundamentals 2.00 CR**

This course reviews the fundamental principles required for appropriate patient treatment and care. Included are treatment indications and contraindications for selected treatment interventions.

**PTA 006 Physical Therapy Fundamentals Lab 2.00 CR**

Students develop competence in fundamental skills including ADL's, transfers, mobility, gait and crutch training, architectural barriers, documentation and patient education. Patient age is considered.

**PTA 007 Observation and Measurement 2.00 CR**

Students are introduced to the principles for monitoring patient progress, safety and making recommendations for treatment modifications.

**PTA 008 Observation and Measurement Lab 2.00 CR**

Students develop competencies in observation and measurement techniques including goniometry, manual muscle testing, volumetric measurements, righting and equilibrium reactions, gait, sensory assessment and selected special tests. The influence of patient age and posture on the measurement techniques is emphasized.

**PTA 009 Special Clientele 2.00 CR**

Students are introduced to the therapeutic principles underlying the treatment of patients with cardiopulmonary pathologies, pelvic floor disorders and selected adolescent disorders.

**PTA 010 Special Clientele Lab 1.00 CR**

Students review the anatomy and physiology of the cardiopulmonary system and the techniques used for measuring cardiopulmonary function. Competencies in the application of specific assessment and treatment protocols are emphasized. Students also review the pelvic floor pathologies, and adolescent disorders and develop competencies to help treat these problems.

**PTA 011 Physical Agents 2.00 CR**

Students are introduced to the scientific principles and theories underlying the effects of appropriate application of therapeutic physical agents including heat, cold, ultrasound, radiation, electricity and massage.

**PTA 012 Physical Agents Lab 2.00 CR**

Students develop competence in the correct application of therapeutic modalities including heat and cold, electrotherapy, intermittent compression, massage, short wave diathermy, traction and ultrasound.

**PTA 013 Musculoskeletal Rehabilitation 3.00 CR**

Students are introduced to the basic therapeutic principles underlying the treatment of patients with musculoskeletal pathologies. Geriatric considerations are emphasized.

**PTA 014 Musculoskeletal Rehabilitation Lab 2.00 CR**

Students are introduced to and develop competence in the application of therapeutic exercise and other procedures used when treating musculoskeletal pathologies. Treatment modification for geriatric patients are discussed and developed.

**PTA 015 Pathophysiology I 2.00 CR**

Students review the inflammatory and healing processes of tissue trauma or disease and the disease process associated with specific musculoskeletal pathologies.

**PTA 016 Gerontology 1.00 CR**

Students explore the physiological, psychological and sociological effect of aging and how these changes affect normal activities of daily living and rehabilitation.

**PTA 017 Orthotics and Prosthetics 1.00 CR**

Students are introduced to the various types of orthotic and prosthetic devices and their functional use in patient care and rehabilitation.

**PTA 018 Rehabilitation Psychology 2.00 CR**

Students are introduced to the psychosocial considerations that affect patient rehabilitation. Cultural diversity, work relationships, human relations, geriatric considerations, responses to illness, learned helplessness, grieving, death and dying are discussed.

**PTA 019 Neuromuscular Rehabilitation 3.00 CR**

Introduction to the therapeutic principles used in the treatment of patients with neuromuscular pathologies. Geriatric considerations are emphasized.

**PTA 020 Neuromuscular Rehabilitation Lab 2.00 CR**

Students are introduced to and develop competencies in the application of specific treatment procedures used with neurologically involved children and adults. Treatment modification for geriatric patients are discussed and developed.

**PTA 021 Pathophysiology II 2.00 CR**

Students are introduced to specific neuromuscular pathologies most commonly treated in the physical therapy clinic.

**PTA 022 Seminar for Physical Therapist Assistants 1.00 CR**

Students are introduced to the various components of effective administration of a physical therapy clinic. Effective management techniques, performance evaluations, quality assurance, fiscal management, treatment reimbursement and other relevant topics are covered.

**PTA 023 Clinical Affiliation I 2.00 CR**

A five-week, full-time clinical affiliation that provides students with an opportunity to practice and further develop competencies in physical therapy fundamentals skills, physical agents, and observation and measurement techniques. Grades assigned on Pass/Fail basis.

**PTA 024 Clinical Affiliation II 2.00 CR**

A five-week, full-time affiliation designed to expand the student's knowledge and competencies in treating musculoskeletal pathologies. Grades assigned on Pass/Fail basis.

**PTA 025 Clinical Affiliation III 2.00 CR**

A five-week, full-time affiliation designed to expand the student's knowledge and competencies in treating neuromuscular pathologies. Grades assigned on Pass/Fail basis.

**APPENDIX C**

**PHYSICAL THERAPIST ASSISTANT CURRICULUM**

**LIST OF INITIAL EQUIPMENT, SUPPLIES AND ANATOMICAL MODELS**

ITEM NO	QUANTITY	EQUIPMENT/SUPPLIES	LISTED COST/ITEM	TOTAL COST	Page Number	Model Number
1	8	Therapy Trainer Table, 30"X72"	\$862.00	\$6,896.00		TG2346
2	8	Removable Mat, 30"X72"	\$240.00	\$1,920.00		TG2358
3	1	Mobile Sports Whirlpool(Hospital)	\$2,695.00	\$2,695.00	3	S-110-M
4	1	Whirlpool Thermometer (Hospital)	\$189.00	\$189.00	4	1863D
5	1	Mobile High Chair (Hospital)	\$429.00	\$429.00	5	7700
6	8	Step Stools	\$39.95	\$319.60	5	TS-140
7	1	Optiflex CPM (Hospital)	\$2,495.00	\$2,495.00	6	2090
8	1	Optiflex Patient Kit (Hospital)	\$34.95	\$34.95	6	20533
9	1	Hydrocollator	\$1,995.00	\$1,995.00	8	M-4
10	10	Hot Packs (assorted sizes)	\$30.00	\$300.00	9	assorted
11	10	Hot Pack Covers (Assorted Sizes)	\$16.50	\$165.00	9	assorted
12	3	Hot Pack Racks	\$49.95	\$149.85	9	HCR6
13	2	Paraffin Tanks	\$219.00	\$438.00	12	PT-6-S
14	2	Paraffin Refills	\$24.95	\$49.90	12	20590
15	1	ColPack Freezer	\$695.00	\$695.00	13	90910
16	2	ColPacks -Assorted	\$138.00	\$276.00	13	Assorted
17	2	Nylatex Elastic Wraps - Assorted	\$69.00	\$138.00	14	1200
18	1	Ice Machine (Coop use)	\$2,695.00	\$2,695.00	15	AFE400
19	1	Intelect Legend XT Therapy System Estim/US	\$3,771.00	\$3,771.00	17	2795K
20	1	2cm US applicator	\$265.00	\$265.00	19	27382
21	1	Mettler Estim System	\$995.00	\$995.00	23	206
22	1	Amrex US/54	\$1,945.00	\$1,945.00	25	US/54S-2
23	1	Amrex HV752	\$1,295.00	\$1,295.00	28	HV752
24	8	Intelect Tens	\$59.95	\$479.60	33	77600
25	1	Iontophoresis	\$695.00	\$695.00	34	PM850C
26	4	Electrode Kits	\$59.95	\$239.80	34	31
27	10	E-Stim Electrodes (assorted)	\$56.00	\$560.00	35	Assorted
28	1	Gal US Gel	\$18.95	\$18.95	37	4238
29	1	Gel Warment (3 Tube)	\$159.95	\$159.95	38	GW308
30	1	Pression Compression Unit	\$495.00	\$495.00	36	4331
31	1	Assorted Compression Garments	\$800.00	\$800.00	36	Assorted
32	2	Treatment Tables	\$595.00	\$1,190.00	55	6904
33	4	Treatment Tables	\$395.00	\$1,580.00	55	6902
34	1	Treatment Tables	\$1,695.00	\$1,695.00	68	AM-300
35	1	Wall Mount Mat Table	\$694.00	\$694.00	79	MO-2430-57

ITEM NO	QUANTITY	EQUIPMENT/SUPPLIES	LISTED COST/ITEM	TOTAL COST	Page Number	Model Number
36	1	Tilt Table	\$2,495.00	\$2,495.00	82	9505
37	1	Tilt Table Straps	\$49.95	\$49.95	82	21803
38	1	Traction Table	\$2,495.00	\$2,495.00	92	AET-4
39	1	Mobile Traction unit	\$2,295.00	\$2,295.00	92	TX-7
40	1	Lumbar Traction Set	\$149.95	\$149.95	93	1433
41	1	Cervical Traction Set	\$39.95	\$39.95	93	1405
42	2	Overhead Traction Units	\$21.95	\$43.90	95	C990
43	1	Hoya Lift (Hospital)	\$995.00	\$995.00	100	400E
44	2	Transfer Boards	\$44.95	\$89.90	102	765
45	2	Transfer Boards	\$69.95	\$139.90	102	765-12-30
46	1	Portable Stairs	\$745.00	\$745.00	106	809
47	1	Parallel Bars	\$995.00	\$995.00	109	1585
48	1	Balance Boards - Assorted Kit	\$199.00	\$199.00	115	WBK
49	2	Balance Disc	\$24.95	\$49.90	114	CUS-FBBD
50	1	Theraband - R 50	\$60.00	\$60.00	133	R-50
51	1	Theraband - Gr 50	\$65.00	\$65.00	133	Gr-50
52	1	Theraband - BI 50	\$70.00	\$70.00	133	BI-50
53	1	Theraband - Bk-50	\$75.00	\$75.00	133	Bk-50
54	1	Theraband - S-50	\$94.95	\$94.95	133	S-50
55	1	Thera Tube - Y-100	\$35.00	\$35.00	133	Y-100
56	1	Thera Tube - R-100	\$40.00	\$40.00	133	R-100
57	1	Thera Tube - G-100	\$45.00	\$45.00	133	G-100
58	1	Thera Tube - BI-100	\$50.00	\$50.00	133	BI-100
59	1	Thera Tube - Bk-100	\$55.00	\$55.00	133	Bk-100
60	1	Kangoo Rack	\$300.00	\$300.00	147	5109CD
61	1	Exercise Ball - Yellow	\$21.95	\$21.95	136	23010
62	1	Exercise Ball - Red	\$23.95	\$23.95	136	23020
63	1	Exercise Ball - Green	\$26.95	\$26.95	136	23030
64	1	Exercise Ball - Blue	\$33.95	\$33.95	136	23040
65	1	Exercise Ball - Silver	\$38.95	\$38.95	136	23050
66	1	Rebounder Set	\$595.00	\$595.00	137	Jogger PKG
67	1	Dumbbell Set	\$155.00	\$155.00	142	VC110
68	1	Cuff Weights	\$169.00	\$169.00	144	10-0252
69	1	Combo dumbbell/Cuff Rack	\$395.00	\$395.00	155	5565
70	1	Posture Mirror	\$349.00	\$349.00	156	700

ITEM NO	QUANTITY	EQUIPMENT/SUPPLIES	LISTED COST/ITEM	TOTAL COST	Page Number	Model Number
71	2	Crutch and Cane Racks	\$155.00	\$310.00	157	7197
72	5	Poly Cart and Drawer	\$169.00	\$845.00	163	UC320DP
73	8	Cervical Rolls	\$14.95	\$119.60	172	4287
74	1	6" X 24" Tumble Form Roll	\$99.00	\$99.00	175	2794B
75	1	8" X 24" Tumble Form Roll	\$119.00	\$119.00	175	2794F
76	1	10" X 36" Tumble Form Roll	\$179.00	\$179.00	175	2794C
77	1	12" X 36" Tumble Form Roll	\$199.00	\$199.00	175	2794D
78	1	14" X 48" Tumble Form Roll	\$269.00	\$269.00	175	2794E
79	1	Kangoo Rack	\$229.00	\$229.00	176	5516
80	1	Total Gym	\$3,995.00	\$3,995.00	203	2600Expand
81	1	Saratoga Cycle - upper extremity	\$795.00	\$795.00	180	SAF-2
82	1	Saratoga Cycle Table	\$695.00	\$695.00	181	SAF-23
83	8	Superior Sphygmomanometers	\$49.95	\$399.60	215	03-175
84	8	Dual Head Stethoscopes	\$29.95	\$239.60	219	04-400
85	1	Tuff Stat Hand Held Pulse Oximeter	\$695.00	\$695.00	219	5208

ITEM NO	QUANTITY	EQUIPMENT/SUPPLIES	LISTED COST/ITEM	TOTAL COST	Page Number	Model Number
		Best Priced Products				
86	2	Wheelchairs	\$432.49	\$864.98	134	6790
87	3	Curved Cane	\$12.99	\$38.97	135	6802
88	3	Offset Cane	\$16.49	\$49.47	135	6804
89	1	Quad Cane	\$25.99	\$25.99	135	6811
90	4	Walkers	\$57.49	\$229.96	135	6829
91	2	Forearm Crutches	\$77.49	\$154.98	135	6821
92	2	Wheeled Walkers	\$82.49	\$164.98	135	6835
93	1	Baseline Skinfold Caliper	\$159.99	\$159.99	74	1411
94	1	Underarm Crutches - 8 ea	\$224.99	\$224.99	135	6816
95	1	Balance Scale	\$334.99	\$334.99	75	1980
96	4	Babinski Reflex Hammers	\$8.74	\$34.96	73	1241
97	4	Buck Reflex Hammers	\$5.24	\$20.96	73	1242
98	4	Baseline 2 point	\$33.99	\$135.96	72	1220
99	2	Tuning Fork Sets	\$35.99	\$71.98	73	1230
100	4	Wartenburg Pin Wheel	\$9.99	\$39.96	72	1226
101	1	Baseline Volumeter - Hand	\$149.99	\$149.99	70	8635
102	1	Baseline Volumeter - Foot	\$167.49	\$167.49	70	8637
103	8	Gulick Measuring Tapes	\$15.99	\$127.92	70	1162
104	8	Baseline Measuring Tapes	\$3.74	\$29.92	70	1165
105	2	Posture Evaluators	\$139.99	\$279.98	69	1177
106	4	Bubble Inclinator	\$54.99	\$219.96	68	1159
107	8	Finger Goniometers - 3 1/2"	\$25.99	\$207.92	67	1307
108	8	Baseline Plastic 360 Goniometer - 12"	\$15.99	\$127.92	65	1310
109	8	Baseline Plastic 360 Goniometer - 6"	\$5.99	\$47.92	65	1312
110	8	Baseline Plastic 360 Goniometer - 8"	\$7.99	\$63.92	65	1311
111	8	Baseline Procket 180 Rulometer	\$5.99	\$47.92	65	1316
112	1	Semmes - Weinstein Monofilament Sensory	\$139.99	\$139.99	71	1451
113	1	Jamar 3 Piece Hand Evaluations Set	\$419.99	\$419.99	54	P5030KIT
114	4	Cando Center Fold Mats	\$172.49	\$689.96	42	5595
				\$66,701.47		

ITEM NO	QUANTITY	EQUIPMENT/SUPPLIES	LISTED COST/ITEM	TOTAL COST	Page Number	Model Number
MEDLINE LABORATORY SUPPLIES						
1	2	Teaching/Training Stethoscopes	14.65	\$29.30	155	MDS9750
2	1	Cs., Gloves, Exam, Vinyl PF Small,	23.86	\$23.86	494	MDS192074
3	1	Cs., Gloves, Exam, Vinyl PF Medium	32.86	\$32.86	494	MDS192075
4	1	Cs., Gloves, Exam, Vinyl PF Large	32.86	\$32.86	494	MDS192076
5	1	Cs., Gloves, Exam, Vinyl PF Xlarge	32.86	\$32.86	494	MDS192077
6	1	Cs., Gloves, Exam Latex, PF, Sterile, Small Pr.	54.12	\$54.12	496	MDS194054
7	1	Cs., Gloves, Exam Latex, PF, Sterile, MediumPr	54.12	\$54.12	496	MDS194055
8	1	Cs., Gloves, Exam Latex, PF, Sterile, Large Pr.	54.12	\$54.12	496	MDS194056
9	1	Cs., Gloves, Exam Vinyl, PF, Sterile, Small Pr.	45.30	\$45.30	496	MDS194074
10	1	Cs., Gloves, Exam Vinyl, PF, Sterile, Medium Pr	45.30	\$45.30	496	MDS194075
11	1	Cs., Gloves, Exam Vinyl, PF, Sterile, Large Pr	45.30	\$45.30	496	MDS194076
12	2	Cs., Disposable Stretcher Sheets	23.63	\$47.26	270	NON24333
13	1	Cs., Red Liners, BioHazzard Bags	32.18	\$32.18	274	NON123036F
14	1	Cs., Protection Plus Soap	25.35	\$25.35	280	MSC098104
15	1	Hamper Stand	72.86	\$72.86	296	MDS80529
16	20	Cs., Velvet Soft Pillows	5.12	\$102.40	331	MDT219707
SAMMONS PRESTON CATALOG SUPPLIES						
17	2	Pals Plat 2"X5" electrodes	93.95	\$187.90	184	2357
18	2	Pals Plat 3"X4" electrodes	93.95	\$187.90	184	2358
19	1	Pals Plat 2" diameter electrodes	98.95	\$98.95	184	2351
20	1	Pals Plat 2"X2" electrodes	97.95	\$97.95	184	2355
21	1	Heavy Duty Ice Bags	97.95	\$97.95	203	925121
22	3	Cryocup-Pac of 6	10.95	\$32.85	204	522301
23	1	Maxima Germicidal Detergent	41.95	\$41.95	217	A654-3
24	2	Sorbalbon 4"X4" Box of 10	50.95	\$101.90	566	55032202
25	4	Mediplex Absorbent Foam Dressings	29.95	\$119.80	569	9298-74
26	1	Gauze Sponges, Sterile, 4"X4"	9.95	\$9.95	573	5552-92
27	1	Stretch Gauze Bandages 3" 96 ea.	43.95	\$43.95	573	5608 07 02
28	2	Tenderskin Paper Tape 1" X 12"	12.95	\$25.90	575	5607 12 02
29	2	Curasilk Cloth Tape 1" 12	16.95	\$33.90	575	5607-13-02

ITEM NO	QUANTITY	EQUIPMENT/SUPPLIES	LISTED COST/ITEM	TOTAL COST	Page Number	Model Number
30	8	Long-Ringer Timer	19.95	\$159.60	672	7529
31	8	Clinic Bell	9.95	\$79.60	672	7526
32	2	Therapy Putty - soft	6.25	\$12.50	705	5605-00
33	2	Therapy Putty - medium	6.25	\$12.50	705	5605-02
34	2	Therapy Putty - Firm	6.25	\$12.50	705	5605-04
35	2	Sterile Alcohol Prep Wipes	6.95	\$13.90	705	5509-59
36	4	Transfer Belt, 54"	12.95	\$51.80	791	6557-01
37	4	Transfer Belt, 72"	13.95	\$55.80	791	6557-02
38	1	Micropore Tape	21.95	\$21.95	575	A840-1
39	2	Suresite Transparent Film	73.95	\$147.90	572	5500 01 23
40	1	Apex Bandage	59.95	\$59.95	573	5598-29-13
41	1	6" Cotton Tip Applicators	7.95	\$7.95	791	5550-39
42	1	Elastic Bandages 3"	29.95	\$29.95	791	7668-05
43	1	Elastic Bandages 4"	35.95	\$35.95	791	7668-06
44	1	Cotton Balls	16.95	\$16.95	791	5550-40
45	2	First Aid Kit	37.95	\$75.90	791	9229-88
46	2	Pals Plat 2"X3.5" electrodes	131.95	\$263.90	184	2356
47	1	5 L Aquasonic Ultrasound gel	32.95	\$32.95	189	3031-02
48	1	Biotome Advanced Therapy Massage Lotion	53.95	\$53.95	226	9286-54
49	2	Pump for 1 Gallon bottle	6.95	\$13.90	226	9286-58
50	1	Spectra 360 Electrode Gel	54.95	\$54.95	188	9230-62
51	1	Tongue Depressors	11.95	\$11.95	1362	9207-76
52	1	Krinkle Gauze Rolls	111.95	\$111.95	573	5608 08 01
53	1	Coban Self-Adherent Wrap	103.95	\$103.95	612	7742
54	1	Economy Moleskin Roll	59.95	\$59.95	319	A438-2
55	1	Cold Spray	142.49	\$142.49	224	7454-2
56	1	Large Crutch Tip	33.95	\$33.95	1077	7200-02
57	1	Crutch Hand Grip Pad	49.95	\$49.95	1077	7200-03
58	1	Crutch Underarm Pad	49.95	\$49.95	1077	7200-05
59	6	Standard Crutch Tips	8.98	\$53.88	1077	7326
				\$3,643.27		

ITEM NO	QUANTITY	EQUIPMENT/SUPPLIES	LISTED COST/ITEM	TOTAL COST	Page Number	Model Number
		Pro-Med Models				
1	1	Standard Skeleton	\$395.00	\$395.00	230	A10
2	1	Muscle Skeleton	\$695.00	\$695.00	231	A11
3	1	Pelvic Skeleton Male	\$69.95	\$69.95	231	A60
4	1	Female Pelvis and Pelvic Floor	\$449.00	\$449.00	231	W19025
5	1	Foot Skeleton with tibia/fibula	\$69.00	\$69.00	231	A31
6	1	Foot Skeleton with Lower Extreimity	\$79.00	\$79.00	231	A31/1
7	1	Hand Skeleton w/lower arm	\$69.00	\$69.00	231	A41
8	1	Leg Skeleton	\$99.00	\$99.00	231	A36
9	1	Hand Skeleton w/arm flexible mount	\$79.00	\$79.00	231	A40/3
10	1	Arm Skeleton	\$79.00	\$79.00	231	A46
11	1	Flexible Spinal Column - Stnd w/Move femors	\$139.95	\$139.95	232	A58/2
12	1	Flexible Spine Column - with muscles	\$199.00	\$199.00	232	A58/3
13	1	Cervical Spinal Column	\$79.95	\$79.95	233	A72
14	1	Thoracic Spinal Column	\$79.95	\$79.95	233	A73
15	1	Lumbar Spinal Column	\$79.95	\$79.95	233	A74
16	1	Prolapsed Lumbar Section	\$119.95	\$119.95	234	A76/5
17	1	Classic Skull on Cervical Spine, 4-part	\$169.95	\$169.95	234	A20/1
18	1	Dissectible Arm, 6-Part	\$395.00	\$395.00	234	M10
19	1	Hollow Foot	\$99.95	\$99.95	234	M32
20	1	Normal Foot	\$99.95	\$99.95	234	M30
21	1	Flat Foot	\$99.95	\$99.95	234	M31
22	1	Classic TMJ Skull	\$219.95	\$219.95	234	A24
23	1	Muscular Leg, 9-Part	\$495.00	\$495.00	235	M20
24	1	Muscle Hip Joint Model	\$99.95	\$99.95	235	G131
25	1	Muscle Shoulder Joint Model	\$99.95	\$99.95	235	G181
26	1	Muscle Knee Joint Model	\$99.95	\$99.95	235	G106
27	1	Deluxe Foot and Ankle Model	\$695.00	\$695.00	236	W47008
28	1	Deluxe Hand Model	\$495.00	\$495.00	236	W47005
29	1	Internal Hand Structure Model	\$309.00	\$309.00	236	M18
30	1	Shoulder Joint - Functional Model	\$79.95	\$79.95	237	A80

ITEM NO	QUANTITY	EQUIPMENT/SUPPLIES	LISTED COST/ITEM	TOTAL COST	Page Number	Model Number
		Models Continued				
31	1	Hip Joint - Functional Model	\$79.95	\$79.95	237	A81
32	1	Knee Joint - Functional Model	\$79.95	\$79.95	237	A82
33	1	Elbow Joint - Functional Model	\$79.95	\$79.95	237	A83
				\$6,480.10		
				\$76,824.84		

The prices and totals listed on these spread sheets are retail prices.  
 Sending these items out for bid should result in an approximately 20% discount.  
 Except for Items 1 and 2 which are an official quote from the manufacturer.

**APPENDIX D**

**SALT LAKE COMMUNITY COLLEGE**

**PHYSICAL THERAPIST ASSISTANT PROGRAM**

<b>SALT LAKE COMMUNITY COLLEGE PTA PROGRAM COURSES</b>		
<b>Course Number</b>	<b>Course Name</b>	<b>Credits</b>
MATH 1010	Algebra	4
ENGL 1010	Introduction to Writing	3
BIOL 2320/2325	Anatomy with Lab	4
PSY 1100	Human Growth and Development	3
PTA 1010	Intro to Physical Therapy	2
PTA 1500	Practice Issues for the PTA	2
PTA 2010	Functional Anatomy	4
PTA 2100	Patient Care Skills	2
PTA 2110	Patient Care Skills Lab	1
PTA 2200	Therapeutic Modalities	2
PTA 2210	Therapeutic Modalities Lab	2
PTA 2300	Principles of Therapeutic Exercise	2
PTA 2310	Principles of Therapeutic Exercise Lab	2
PTA 2350	Clinical Assessment/PTA	2
PTA 2360	Clinical Assessment/PTA Lab	2
PTA 2400	Musculoskeletal Disorders	3
PTA 2410	Musculoskeletal Disorders Lab	1
PTA 2450	Neurological Disorders	2
PTA 2460	Neurological Disorders Lab	2
PTA 2510	PT for Specific Clientele	3
PTA 2520	PT for Specific Clientele Lab	1
PTA 2530	Gerontology	2
PTA 2550	Rehabilitation Psychology	2
PTA 2600	Clinical Experience I	4
PTA 2700	Clinical Affiliation I	6
PTA 2710	Clinical Affiliation II	6
PTA 2740	Seminar for PTAs	1
PTA 2850	Special Topics for PTAs (elective)	(2)
PTA 2950	Sports Physical Therapy (elective)	(2)
PTA 2960	PT and OT in the Workplace (elective)	(2)
	<b>TOTAL CREDITS</b>	<b>70</b>

APPENDIX E  
LETTERS OF SUPPORT

February 28, 2008

To Whom It May Concern,

I would like to take a moment to introduce the company that I represent. We are SimplyRehab, a provider of therapy services in the Kolob Care and Kolob Regional Facilities. We have strived to provide excellent clinical care for over four years in both of the above buildings. As a company that provides Therapy Services to the hundreds of individuals on an annual basis in the Cedar City and St. George area, we respectfully submit this letter of support for the development and implementation of a Physical Therapy Assistant Level Degree Program at Dixie State College. We would like to express our rationale, and cite other published materials, as to why this program is needed in the community, as well as what our organization has to offer the therapy program.

The May 2002 study entitled "Review of Utah Medicaid Nursing Home Bed Moratorium" published by the by the Utah Department of Public Health in May 2002 gives convincing data on why more therapists are needed in Southern Utah. This study tells us that an additional 1000 nursing home beds will be needed state wide in Utah between 2005 and 2010, and we estimate that 400 of these beds will be in Southern Utah due to the more favorable climate. Our experience tells us that staffing needs for ALF's (Assisted Living Facilities), HH (Home Health) Agencies grow in parallel to the needs of SNF's. This study also shows that as of 2002, Washington and Iron Counties only had 432 ALF (Assisted Living Facility) Beds and only 428 beds in 6 SNF's (Skilled Nursing Facilities). Since then 60 beds have been added to the facility we service in St. George.

As a provider of therapists to SNF's, Assisted Living Facilities and Home Health agencies in 3 other states, we know that a correct ratio of occupied SNF/ALF beds to the community's overall need for therapists is imperative, if adequate services are to be provided. We can assure you that Iron and Washington Counties are currently far below this ratio and falling further behind each very year due to the shortage of therapists. In our opinion, if these 6 SNF's, 24 ALF's and all the HH agencies in Iron and Washington Counties had enough therapists right now, there would be 10 additional PTA's, 8 additional PT's, 7 OT's, 6 OTA's and several more SLP's. In other words, if the first graduating class from Dixie in 2010 has 10 students, they already have jobs waiting for them if a single bed is not added between now and then.

The elapsed time needed to hire additional therapists in the area also supports the need for streamlined access to treating clinicians. Open positions due to people being recruited away and incremental positions due to growth can take over 18 months to fill and most of these individuals had to be relocated to the area. In other geographical regions, vacancies are filled in 60 to 90 days and almost 90% of the hires are local employees. I have spoken with several healthcare administrative personnel regarding the need for Physical Therapy Personnel, and all have reached the same conclusion, there just are not enough licensed professionals in the region.

With the establishment of the Dixie State College Physical Therapy Assistant Program, more Utah residents will be able to access this training program. This will increase the community's ability to care for the elderly and infirm. Just as important, with the increased presence of therapists, the healthcare system's ability to meet the ever expanding demand from an advancing elderly population boom. Based on statistical projections from just the Kolob Care and Kolob Regional Facilities we provide therapy care to nearly a 1,000 individuals on an annual basis. This number is expected to grow by 10% on an

aggregate basis for the next 30 years. This information would lend support to determining if the program is needed.

I would like to outline the support SimplyRehab has to offer Dixie State College when the Physical Therapy Assistant Program opens. We have the ability to provide clinical affiliations for four to six students concurrently. During an academic year, we can support up to eighteen clinical assignments. Our clinical instructor staff has over 60 years of field experience. We also are in a position to assist with academic programming via adjunct faculty assignments with our staff. We also provide ongoing continuing education courses to our employees, and in conjunction with Dixie State College, we could bring a greater number of courses to the area. Our two departments can provide a strong foundation for the development of competent and clinically sound students.

Finally, allow me to express my appreciation for your review of this letter. We at SimplyRehab feel strongly that the growing demand for Physical Therapy services will continue unabated. The most beneficial way to address it, from an individual; community; professional perspective, would be by having a community based education program that would increase the likelihood of professionals staying close to where they graduated from.

Respectfully,  
Edward A. Thelen, OTR/L  
Western Area Director for SimplyRehab



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February 15, 2008

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To Whom It May Concern:


Dixie Regional Medical Center (DRMC) strongly supports a new Physical Therapist Assistant (PTA) program at Dixie State College. Based on the workforce needs of DRMC, we feel this program is justified and would provide a huge benefit to the citizens of Washington County.

National projections for the Physical Therapy (PT) profession, including Physical Therapist Assistants, are high. The PT/PTA delivery system is moving toward greater use of PTAs in the clinic setting, and DRMC has had difficulty recruiting locally for PTAs. A new Outpatient Pavilion on the DRMC campus is currently underway which will result in further expansion of Physical Therapy services in many areas and specialties.

Intermountain Healthcare and Dixie Regional Medical Center fully support a Physical Therapy Assistant program. It is needed in our community, and to meet the workforce needs in the entire state of Utah, DRMC has committed to help Dixie State College with start-up costs in the amount of \$240,000 over a three year period to ensure this program gets implemented as soon as possible.

Thank you for your consideration of this worthwhile program.

Sincerely,

  
Terri Kane  
Chief Executive Officer  
Dixie Regional Medical Center

  
Vicki R. Wilson  
HR Director  
Dixie Regional Medical Center

