UTAH SYSTEM OF HIGHER EDUCATION
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May 11, 2016

MEMORANDUM

TO: State Board of Regents

FROM: David L. Buhler

SUBJECT: University of Utah – Master of Science in Sports Medicine

Issue

The University of Utah requests approval to offer a Master of Science (MS) in Sports Medicine effective fall 2016. The institutional Board of Trustees approved the degree on January 12, 2016.

Background

The University of Utah has offered a Sports Medicine track under the MS degree in the Department of Exercise and Sport Science since 2008. A realignment of academic units and faculty in the University's College of Health approved in 2015 resulted in a new Department of Physical Therapy and Athletic Training, with this proposal for a stand-alone MS in Sports Medicine emerging from the new Department. Students currently enrolled in the Sports Medicine track in the MS in Exercise and Sport Science would be allowed to complete that degree within three years or could choose to transition to the proposed MS in Sports Medicine.

Athletic Training is a licensed health care profession in Utah, and the University of Utah has been a leader in preparing these professionals in the state. The current Sports Medicine track in the MS in Exercise and Sport Science is a popular and selective graduate program at the University, with an annual average of 80 applicants for eight available positions; under the proposed MS in Sports Medicine, the number of annual positions in the program would be expanded to 11 students at full implementation. In addition to high student demand, the U.S. Department of Labor projects employment growth in Athletic Training to be well above average, and University of Utah graduates in this field have typically been in high demand.

The proposed MS in Sports Medicine would provide graduate-level curriculum to licensed athletic trainers to expand their knowledge, skills, and experience, enabling them to become clinical scholars and professional leaders in addition to continuing as athletic trainers. The proposed program consists of 32-36 core credit hours plus additional elective credit hours for a total of 45-49 credit hours, which is consistent with similar MS degrees offered across the country. Students pursuing the proposed MS in Sports Medicine could choose between thesis and non-thesis options. Given the existence of the current Sports Medicine track in the MS in Exercise and Sport Science, the University is well-positioned with faculty, courses, facilities, and other resources to offer the proposed MS degree.

Policy Issues

The proposed degree has been developed and reviewed in accordance with processes established by the University of Utah and the Board of Regents. The Utah System of Higher Education Chief Academic Officers and appropriate faculty at other USHE institutions have reviewed and are supportive of the University of Utah's request to offer an MS in Sports Medicine. There are no additional policy issues relative to approval of this program.

Commissioner's Recommendation

The Commissioner recommends the Regents approve the request by the University of Utah to offer a Master of Science in Sports Medicine.

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David L. Buhler
Commissioner of Higher Education

DLB/GVB
Attachment

Program Description
University of Utah
Master of Science in Sports Medicine

Section I: The Request

The University of Utah requests approval to offer a Master of Science (MS) in Sports Medicine effective in fall 2016. The institutional Board of Trustees approved the degree on January 12, 2016.

Section II: Program Description

Complete Program Description

The Master of Science in Sports Medicine is designed to address and align with the educational outcomes developed by the National Athletic Trainers Association and the Commission on Accreditation of Athletic Training Education. Students acquire advanced didactic and practical skills necessary for the practice of Athletic Training, such as assessment, treatment planning, problem-solving, behavior analysis, appropriate intervention implementation, evaluation, and documentation. Students engage in clinically-based experiences as a means of solidifying their didactic coursework.

Purpose of the Degree

Since the 2008 establishment of a Sports Medicine track in the Master of Science degree in the Department of Exercise and Sport Science, the College of Heath has awarded an MS degree focusing on Sports Medicine. Currently there are 16 enrolled students in the track, and an average of 80 apply to the program each year. Athletic Training is a licensed health care profession in the state of Utah, and the University is the only research-intensive academic institution in Utah involved in the preparation of these professionals.This program is critical in providing Utah and the entire region with sufficient numbers of Athletic Trainers to meet its health care needs.

The recent realignment of the College of Health provides an opportunity to create this degree in the new Department of Physical Therapy and Athletic Training (previously the Department of Physical Therapy). This realignment will allow the proposed MS in Sports Medicine to retain its close association with the undergraduate education program for Athletic Training (moving to the Department of Physical Therapy and Athletic Training) and to become more closely associated with the academic doctoral degree in Rehabilitation Sciences and the clinical doctorate in Physical Therapy.

There are both philosophical and pragmatic justifications for this realignment. Both the Physical Therapy program and the Athletic Training program are professional education programs that train students as clinicians in the health care field. The commonalities in clinical training needs, administration, and accreditation make this transfer logical. This realignment will allow for greater efficiency and improved services and outcomes for students. However, it necessitates the creation of a freestanding Master of Science in Sports Medicine (MSSM) in the Department of Physical Therapy and Athletic Training. This will allow the MSSM curriculum to be more nimble and responsive to the didactic education, clinical education, clinical experience, and evidence-based

practice needs for Athletic Training. Ultimately, the purpose of the proposed MS in Sports Medicine is to provide a graduate-level curriculum to licensed/certified Athletic Trainers with the goal of expanding their knowledge, skills, and experience to enable them to become clinical scholars who will continue to autonomously function as Athletic Trainers within their scope of practice, be contributors to the evidence-based literature that drives practice, and leaders in the profession.

Institutional Readiness

The current Sports Medicine track within the Master of Science degree in the Department of Exercise and Sport Science has been in existence for seven years and has been a stable program with strong student demand over that time period. Annually, the program receives approximately 80 applications for eight positions. Dr. Charlie Hicks-Little has successfully directed these efforts for the past seven years and will be the Director of the proposed MSSM program. The Director of the Athletic Training Education Program, Dr. Lee Dibble, has been a faculty member in the Department of Physical Therapy for 15 years and will provide additional leadership as needed. The Dean of the College of Health and the College of Health Curriculum Committee have endorsed the proposal and believe the Department of Physical Therapy and Athletic Training has the capacity to offer this degree at this time.

It is not expected that additional administrative structures or supports will be needed. The new structure has already been accomplished via the College of Health realignment and the change of the Department of Physical Therapy to the Department of Physical Therapy and Athletic Training. The Department of Physical Therapy and Athletic Training has a chair and support staff (3.0 FTE) who, along with the 0.25 FTE currently allocated to the proposed MSSM, can easily absorb the work required by adding this program. The departmental structure already consists of the chair with program directors for each of its current program offerings. The addition of the MSSM will add an additional program director to the Department. The current graduate faculty member will be reallocated to the Department of Physical Therapy and Athletic Training. The current program director will continue to direct the program. The current 0.25 FTE staff position allocated to the proposed MSSM will meet the advising needs for the program, while the Department of Physical Therapy and Athletic Training's Director of Graduate Studies will be responsible for guiding students through graduate school requirements.

There is a need for an additional 0.5 FTE faculty member for this degree. The plan is to initially utilize existing Department of Physical Therapy and Athletic Training tenure-line, career-line, and adjunct faculty to augment the teaching needs of the program. The additional faculty member will be hired within the first two years and will be supported by funds generated by increased enrollment, student credit hours, and contracts with University Health Care and the Department of Athletics.

The entry-level program in Athletic Training that leads to the bachelor's degree (which is being relocated to the Department of Physical Therapy and Athletic Training from the Department of Exercise and Sport Science) will not change at the University of Utah as a result of developing and implementing the proposed MSSM. This accredited, entry-level bachelor's degree in Athletic Training at the University currently graduates up to 22 students annually. The proposed MSSM will offer a potential path for University of Utah graduates to continue to advance their education, which will ultimatley lead to strengthening the Athletic Training profession in Utah. The proposed degree

will also strengthen the existing bachelor's degree program and help the Department increase clinical and professional service to the community.

Departmental Faculty

Department Faculty Category	Degree Program Faculty Headcount – Prior to Program Implementation	Faculty Additions to Support Program	Degree Program Faculty Headcount at Full Program Implementation
With Doctoral Degrees (Including MFA and other terminal degrees, as specified by the institution)			
Full-time Tenured	8	0	8
Full-time Non-Tenured	8	3	11
Part-time Tenured	0	0	0
Part-time Non-Tenured	0	0	0
With Master's Degrees			
Full-time Tenured	0	0	0
Full-time Non-Tenured	0	0	0
Part-time Tenured	0	0	0
Part-time Non-Tenured	0	0.5	0.5
With Bachelor's Degrees			
Full-time Tenured	0	0	0
Full-time Non-Tenured	0	0	0
Part-time Tenured	0	0	0
Part-time Non-Tenured	0	0	0
Other			
Full-time Tenured	0	0	0
Full-time Non-Tenured	0	0	0
Part-time Tenured	0	0	0
Part-time Non-Tenured	0	0	0
Total Headcount Faculty in the Department			
Full-time Tenured	8	0	8
Full-time Non-Tenured	8	3	11
Part-time Tenured	0	0	0
Part-time Non-Tenured	0	0.5	0.5
Total Department Faculty FTE *(As reported in the most recent A-1/S-11 Institutional Cost Study for "prior to program implementation" and using the A-1/S-11 Cost Study Definition for the projected "at full program implementation.")*	16	3.5	19.5

Staff

There will be five staff to support the new program within the Department of Physical Therapy and Athletic Training. These include an administrative assistant, a program manager for the Athletic Training and Sports Medicine programs, an admissions and payroll specialist for the Athletic Training and Sports Medicine programs, an academic advisor, and an assistant to the Director of Clinical Education.

Library and Information Resources

The J. Willard Marriott Library and the Spencer S. Eccles Health Sciences Library provide resources for sports medicine, athletic training, physical therapy, and rehabilitation sciences programs. These resources include, but are not limited to, scholarly journals within the disciplines (including *The American Journal of Sports Medicine*, *Medicine and Science in Sports and Exercise*, *Physical Therapy*, *Journal of Athletic Training*, *Gait and Posture*, *Journal of Applied Physiology*, and *The Journal of Physiology*), scholarly textbooks, and multimedia resources. In addition, the staffs of the libraries contribute to the education of the students in evidence-based practice principles.

Admission Requirements

All applicants to the MSSM program will have:

1. An entry-level bachelor's or master's degree in Athletic Training;
2. A completed University of Utah application to Graduate School;
3. A completed Department of Physical Therapy and Athletic Training application to the MSSM program;
4. Official transcripts from all previous educational institutions;
5. A minimum cumulative grade point average in prior course work of 3.0 on a 4.0 scale
6. An essay outlining professional goals;
7. Results of the most recent Graduate Record Examination (taken within the last five years) indicating a combined score of at least 300 (1,000 on old scale);
8. Three professional references from individuals who can describe the applicant's potential for success in a master's-level program;
10. A current copy of resume/CV; and
11. Verification of a current certification as an Athletic Trainer and eligibility for Utah licensure as an Athletic Trainer;

Student Advisement

Existing full-time faculty and the full-time Athletic Training Education Program manager will be available to advise MSSM students. It is anticipated that this will take the form of mentoring regarding post-professional career development, rather than the usual advisement that accompanies entry-level education.

Justification for Graduation Standards and Number of Credits

The proposed MSSM program requires 45-49 credits and consists of core coursework and elective courses selected by the student and faculty advisor. The philosophical basis of the proposed MSSM is that this advanced clinical degree will build upon the clinicians' entry-level Athletic Training knowledge and experience, and provide them an educational opportunity to become more experienced and specialized.

The credit hours required by this degree will assist the currently-licensed Athletic Trainer to advance their abilities and deepen their knowledge in an area of Athletic Training. To this end, the MSSM requires practical hours to complement course work and facilitate the development of the problem solving, specialization, and leadership abilities. This is consistent with the other post-professional Athletic Training degrees offered at this time around the country.

External Review and Accreditation

There is no current required external accreditation mechanism for graduate programs in sports medicine. In the future, external reviewers will evaluate the program under the University's standard seven-year program review process and cycle.

Projected Program Enrollment and Graduates; Projected Departmental Faculty/Students

Data Category	Current – Prior to New Program Implementation	PROJ YR 1	PROJ YR 2	PROJ YR 3	PROJ YR 4	PROJ YR 5
Data for Proposed Program						
Number of Graduates in Proposed Program	8	9	10	11	11	11
Total # of Declared Majors in Proposed Program	16	18	20	22	22	22
Departmental Data – For All Programs Within the Department						
Total Department Faculty FTE *(as reported in Faculty table above)*	16.0	19.5	19.5	19.5	19.5	19.5
Total Department Student FTE *(Based on Fall Third Week)*	219	219	219	219	219	219
Student FTE per Faculty FTE *(ratio of Total Department Faculty FTE and Total Department Student FTE above)*	13.7:1	11.2:1	11.2:1	11.2:1	11.2:1	11.2:1
Program accreditation-required ratio of Student FTE/Faculty FTE, if applicable.	N/A	N/A	N/A	N/A	N/A	N/A

Expansion of Existing Program

This is not an expansion of an existing program.

Section III: Need

Program Need

This proposal to develop the MSSM within the Department of Physical Therapy and Athletic Training has been driven by the realignment of the College of Health. As part of this realignment, the undergraduate entry-level Athletic Training Education Program (ATEP) and the graduate-level post-professional degree were approved to be transferred to the Department of Physical Therapy and Athletic Training. There are both philosophical and pragmatic justifications for this component of the College of Health realignment. Both Physical Therapy and ATEP are professional education programs that train students as clinicians in the health care field. In addition, the current Department of Physical Therapy offers post-professional educational opportunities to rehabilitation professionals (PhD in Rehabilitation Science, as well as clinical residencies). The commonalities in clinical training needs, administration, and accreditation make this administrative transfer logical. This transfer will allow for greater efficiency and improved services and outcomes for students and will position the Department of Physical Therapy and Athletic Training to demonstrate its expertise more effectively to the Health Sciences Center.

Through the Sports Medicine track in the current Master of Science in the Department of Exercise and Sport Science, the College of Heath has awarded a Master of Science degree focusing on Sports Medicine since 2008. This track provides a graduate-level curriculum to licensed/certified Athletic Trainers with the objectives of expanding their knowledge, skills, and experiences to enable them to become clinical scholars who will continue to autonomously function as Athletic Trainers. The realignment of the College of Health, approved in July 2015, provides the opportunity to create a freestanding Master of Science in Sports Medicine (MSSM) in the new Department of Physical Therapy and Athletic Training.

This post-graduate degree is one of only two Sports Medicine-focused graduate programs at a public institution in Utah and continues to have high student demand. Currently there are 16 declared students in the Sports Medicine track. Eight students per year are accepted into the two-year program out of approximately 80 applicants. Athletic Training is a licensed health care profession in Utah, and the University of Utah is the primary academic institution in the preparation of these professionals and the only institution that provides the training in the context of a research-intensive university. The continuation of this degree offering through the establishment of a freestanding MSSM and alignment with other traditional health care professional programs will advance interdisciplinary inquiry and advance the academic preparation of this vital health and human service profession. This program is critical in providing the state of Utah and the Intermountain West region with sufficient numbers of Athletic Trainers with graduate degrees.

Labor Market Demand

The U.S. Department of Labor projects employment in the Athletic Training profession to grow faster than average, with a 21% increase projected from 2014 to 2014 (Bureau of Labor Statistics,

U.S. Department of Labor, Occupational Outlook Handbook, 2016-17 Edition, Athletic Trainers, http://www.bls.gov/ooh/healthcare/athletic-trainers.htm, visited April 26, 2016). Many athletic trainers work in educational settings, such as colleges, universities, elementary schools, and secondary schools. Others work in hospitals, fitness centers, and physicians' offices, or for professional sports teams. The entry-level Athletic Training program at the University of Utah has been producing competent graduates who are in demand from area health care facilities. However, 70% of the Athletic Trainers working in the field nationally have a post-professional Master of Science degree. Therefore, attainment of their advanced degree will provide critical educational training that will lead to their advancement into higher level clinical, managerial, and administrative positions. These needs projections are compiled from local, state, and national data, and job placement information, as well as the types of jobs graduates have obtained from the existing program in the Department of Exercise and Sport Science. Evidence of the strength of the program comes from the fact that many University of Utah graduates hold administrative positions, clinical appointments, and academic positions across the country.

Alumni are employed in high schools, colleges and universities, industry, and health care clinics. Their presence in these settings provides previously unavailable injury prevention care, acute and emergency injury management, and return to play/activity to injured athletes.

Although the MSSM requires a bachelor's degree for admission, the MSSM is intended to move with the undergraduate Athletic Training Education Program. The continuation of the MSSM degree will contribute to the 66% by 2020 campaign primarily through the MSSM students contributing to the education of the undergraduate students within the Athletic Training Education Program.

Student Demand

The current Sports Medicine track in the Master of Science in the Department of Exercise and Sport Science is a popular and selective graduate program. Over the past seven years, there has been an average of 80 applicants annually for eight available positions.

Similar Programs

The current Sports Medicine track in the Master of Science in the Department of Exercise and Sport Science is the only post-graduate Master of Science degree program for Athletic Trainers in Utah that is housed at a research-intensive university. It is one of only three programs in the state. The consistent student demand speaks to the importance of keeping a graduate program at the University of Utah and the inability of other regional programs to adequately meet student demand.

Collaboration with and Impact on Other USHE Institutions

Other USHE instituions have reviewed and are supportive of the proposed MS in Sports Medicine. Otherwise, there is no current or intended collaboration with other USHE institutions. Given the high demand for graduate programs in Athletic Training, there is no expected impact on other USHE institutions. This program has already existed for eight years as a track within the Department of Exercise and Sports Science. For this reason, no new impact on other USHE Institutions is anticipated.

Benefits

The University of Utah will benefit from developing this program as it will allow the University to continue to offer a successful graduate degree program. The program currently funds 16 graduate students with 11-month stipends. It will allow the continuation of educational training and mentored clinical care through collaborations with the Athletics Department and University Health Care, thus highlighting this institution as a premier Athletic Training educational program in the state. It will benefit the community at large and consumers in that Athletic Trainers will obtain more didactic training, mentored clinical experience, and skill-based knowledge that they can apply while providing Athletic Training services. It will also increase the leadership skills of existing practitioners in the state of Utah.

The MSSM will benefit students in multiple ways. First, it will provide greater depth and breadth of training in athletic injury management. This will better prepare the students who seek employment in more community-based settings with greater knowledge and experience with specific populations and advanced leadership skills, opening up a wider job market. Second, the move to the Department of Physical Therapy and Athletic Training will allow the MSSM students increased opportunities for interdisciplinary education and experiences with other traditional health care professional students, such as interactions with Physical Therapy, Occupational Therapy, Nutrition, Audiology, and Speech Language Pathology students in the College of Health. This interdisciplinary exposure will allow the MSSM students to interact and collaborate with those they may clinically practice with upon graduation.

The Greater Salt Lake area looks to the Athletic Training Education Program and the MSSM students to provide services and leadership throughout the community. Currently, MSSM students gain clinical education and provide community services within the following organizations: University of Utah Athletics, University of Utah Health Care, Granite School District, Salt Lake School District, Canyons School District, Jordan School District, Utah Grizzlies, Salt Lake Community College, Westminster College, Judge Memorial High School, Ballet West, and Real Salt Lake. These organizations count on the support of the MSSM/ATEP faculty and students. This change will increase the opportunities to expand community engagement through academic lab experiences and clinical education experiences.

The Utah System of Higher Education benefits as there is only one other post-graduate training program in Sports Medicine in the USHE system. The state of Utah needs well-trained Athletic Trainers to meet the state's athletic injury health care needs. Students who graduate from this program who are highly trained as innovative and effective health care providers will enhance the reputation of the USHE and the University of Utah.

Consistency with Institutional Mission

The mission of the University of Utah reflects the responsibility to serve the citizens of the state and world through application and dissemination of knowledge in the quest to advance interdisciplinary inquiry, international involvement, and social responsibility. The fundamental mission of the Athletic Training Program is consistent with that of the University and the College of Health. The program mission is to provide the advancement of evidence-based knowledge through education, research, and clinical experiences with the objective to develop well-rounded professionals who can

contribute to the field through the understanding of current literature, trends, equipment, and practices within sports medicine and rehabilitation.

The MSSM degree seeks to provide service to the academic, professional, and general communities in which the Athletic Training program is involved and address the needs for Athletic Training in the community, state and region. This will be accomplished by educating graduate-level Athletic Trainers and providing consultative, advocacy, leadership, and wellness and injury prevention services to the community. These objectives are consistent with the mission of the University of Utah.

The creation of the Department of Physical Therapy and Athletic Training makes it possible to move a well-subscribed undergraduate program, the Athletic Training Education Program, into a more visible location that currently does not house an undergraduate degree offering. With the 66% by 2020 goal in mind, this increased visibility may encourage additional enrollment as students begin to see this as a viable undergraduate degree to pursue on their path toward graduate education. In addition, this undergraduate program produces graduates at the bachelor's degree level that can provide Athletic Training services in the community and also be potential applicants for the MSSM graduate degree.

Section IV: Program and Student Assessment

Program Assessment

The Program Goals for the MSSM are the following:

1. Produce well-rounded professionals that can contribute to the fields of athletic training and sports medicine through understanding and generation of scientific literature
2. Produce well-rounded professionals that can contribute to the fields of athletic training and sports medicine through understanding and critical consideration of the contemporary and historical trends and equipment in these fields
3. Produce well-rounded professionals that can contribute to the fields of athletic training and sports medicine through competent clinical practice including athletic injury prevention and rehabilitation

Programmatic evaluation will be accomplished through tracking applications, admission, retention, and successful completion of the MSSM. Program faculty will be reviewed to ensure teaching competence. Students will be reviewed in the classroom and the clinic. MSSM program outcomes will be determined by student satisfaction surveys, exit interviews, and alumni surveys.

Expected Standards of Performance

The MSSM program standards and competencies that the student will have met or achieved are taken from the National Athletic Training Association / Board of Certification's Educational Competencies (5th Ed). These competencies are subdivided into eight categories: Evidence Based Practice, Prevention and Health Promotion, Clinical Examination and Diagnosis, Acute Care of Injury and Illness, Therapeutic Interventions, Psychosocial Strategies and Referral, Health Care Administration, and Professional Development and Responsibility. The content of each course

within the MSSM program will have standards of performance built into the course objectives. In addition, two other standards are expected of students: (1) competent, ethical, and safe clinical care as measured by their clinical supervisor; and (2) completion of a capstone project or thesis.

Graduates of the Master of Science in Sports Medicine will have developed greater clinical and academic expertise compared to entry-level education graduates. The MSSM graduates will be prepared to successfully compete for employment in the demanding and changing field of Athletic Training. The graduates will possess the skills necessary to become successful in a career as members of a university or professional sports athletic training staff, as the primary athletic trainer for secondary schools, or as graduate students in other health professions programs (e.g., Medicine, Nursing, Occupational Therapy, Physician Assistant, and Physical Therapy). The ability of the MSSM program to achieve these goals will be assessed from the program assessment procedures described above. The supervisory committee that will oversee a student's completion of the following requirements for graduation will assess the acquisition of these skills by an individual student:

1. Successful completion of a minimum of 45 credit hours, comprising 32-36 credits from the required course battery and 9-13 elective credits.
2. Successful completion of mentored clinical practice placement. The success of the clinical practice placement will be judged by the student's assigned clinical instructor based on the student's ability to provide competent and safe clinical care.

Section V: Finance

Department Budget

Three-Year Budget Projection								
Departmental Data	Current MSSM Budget – Prior to New Program Implementation	Current Physical Therapy Budget – Prior to New Program Implementation	Departmental Budget					
			Year 1		Year 2		Year 3	
			Addition to Budget	Total Budget	Addition to Budget	Total Budget	Addition to Budget	Total Budget
Personnel Expense								
Salaries and Wages	$85,750	$1,274,940	$50,075	$1,410,765	$27,000	$1,437,765	$0	$1,437,765
Graduate Assistantships	$273,776	$72,500	$34,222	$380,498	$34,222	$414,720	$34,222	$448,942
Benefits	$69,198	$536,579	$20,591	$626,368	$14,511	$640,879	$4791	$645670
Total Personnel Expense	$428,724	$1,884,019	$104,888	$2,417,631	$75,733	$2,493,364	$39013	$2,532,377
Non-Personnel Expense								
Travel	$2,500	$58,200	$500	$61,200	$1,500	$62,700	$0	$62,700
Capital	$1,500	$0	$2,000	$3500	$1,500	$5000	$0	$5000
Library	$0	$0	$0	$0	$0	$0	$0	$0
Current Expense	$0	$0	$0	$0	$0	$0	$0	$0
Total Non-Personnel Expense	$0	$176,215	$0	$176,215	$0	$176,215	$0	$176,215
Total Expense	$4,000	$234,415	$2,500	$240,915	$3,000	$243,915	$0	$243,915
(Personnel + Current)	$432,724	$2,118,434	$107,388	$2,658,546	$78,733	$2,737,279	$39013	$2,776,292
Departmental Funding								
Appropriated Fund	$97,920	$353,516	$68,102	$421,618	$0	$421,618	$0	$421,618
Other: SCH, Productivity	$37,130	$294,237	$3420	$334,787	$40,140	$374,927	$0	$374,927
Special Legislative				$0		$0		$0
Appropr.				$0		$0		$0
Grants and Contracts	$314,976	$542,127	$64,222	$921,325	$39,222	$960,547	$39,222	$999,769
Special Fees / Differential Tuition	$0	$1,075,448	$0	$1,075,448	$0	$1,075,448	$0	$1,075,448
Total Revenue	$450,026	$2,265,328	$135,744	$2,753,088	$79362	$2,832,540	$39,222	$2,871,762
Difference								
Revenue-Expense	$17,302	$146,894	$28,356	$94,542	$629	$95,261	$209	$95,470

Dept Instrct Cost / Student Credit Hour* *(as reported in inst Cost Study for "current" and using the same Cost Study Definition for "projected")*	$866	$327		$384		$394		$397

** Projected Instructional Cost/Student Credit Hour data contained in this chart are to be used in the Third-Year Follow-Up Report and Cyclical Reviews required by R411.*

The Current-Prior information accounts for the MSSM program only. It does not include data for the Department of Exercise and Sport Science in which the current the Sports Medicine track in the Master of Science degree program is currently housed. Projected year's data includes the MSSM program and the Department of Physical Therapy budgets.

Funding Sources

The MSSM program will be funded via existing state appropriation (reallocated from current department to the new department), student tuition (SCH), and productivity funds, as well as contractual arrangements with the Athletics Department and University Health Care. Additional contracts are currently being negotiated to provide additional fiscal support. These contracted amounts fully fund graduate tuition waivers for all students. The contracted amount provides an additional amount for each student to contribute to administration of the MSSM program.

Reallocation

Funds will be reallocated by line item from the current College of Health, Department of Exercise and Sport Science budget.

Impact on Existing Budgets

The impact on the existing Department of Physical Therapy and Athletic Training budget is minimal. There is no change expected in the numbers of students, and the funds covering the existing faculty and staff are being transferred from the existing Exercise and Sport Science budget. Funds for an additional career-line faculty member will be procured through contractual arrangements with University Athletics and University Health Care. The impact to the College of Health is expected to be minimal from creation of a new freestanding MSSM degree within the Department of Physical Therapy and Athletic Training as students will continue to take the same number of credits within the College as they did prior to the move.

Section VI: Program Curriculum

All Program Courses (with New Courses in Bold)

Course Prefix & Number	Title	Credit Hours
Core Courses		
ATSM 6210	Clinical Seminar in Sports Medicine I	3
ATSM 6211	Clinical Seminar in Sports Medicine II	1
ATSM 6250	Current Trends in Sports Medicine	3
ATSM 6040	Advanced Human Anatomy	5
ATSM 6260	Data Acquisition in Sports Medicine	3
ATSM 6270	Modalities in Sports Medicine	3
ATSM 6280	Pathology and Rehabilitation in Sports Medicine	3
ATSM 6290	Organization and Administration in Sports Medicine	3
ATSM 6880	Sports Medicine Symposium	1-3
ATSM 6910	Master of Science Internship	3
ATSM 7102	Introduction to Research Methods	3
ATSM 7830	Journal Readings in Sports Medicine	1-3
	Sub-Total	32-36
Potential Elective Courses	Students will take 3-4 elective courses.	
ESS 6380	Muscle Physiology	3
ESS 6300	Advanced Exercise Physiology I	3
ESS 6310	Advanced Exercise Physiology II	3
ESS 6320	Exercise and Disease	3
ESS 6700	Introduction to Sport Psychology	3
ESS 6730	Applied Sport Psychology	3
ESS 6780	Psychology of Injury	3
NUTR 6310	Nutrition in Sports Performance	3
RHSCI 7200	Neuromuscular Adaptations to Rehabilitation	3
RHSCI 7100	Principles of Evidence Based Practice	3
RHSCI 7500	Rehabilitation Sciences Seminar	2
RHSCI 7920	Independent Study	1-3
ATSM 6970	Dissertation Thesis Research	3
	Total Number of Credits Necessary for Degree	45-49

Program Schedule

Example Non-Thesis Course Schedule

First Year

Fall 2016

ATSM 6210	Clinical Seminar in Sports Medicine I	3 credits
ATSM 6260	Data Acquisition in Sports Medicine	3 credits
ATSM 6290	Organization and Administration in Sports Medicine	3 credits
ESS 7102	Introduction to Research Methods	3 credits

Spring 2017

ATSM 6211	Clinical Seminar in Sports Medicine II	1 credit
ATSM 6250	Current Trends in Sports Medicine	3 credits
ESS 7103	Design and Analysis I	3 credits
Elective option		3 credits

Summer 2017

ATSM 6040	Advanced Human Anatomy (cadaver lab included)	5 credits

Second Year

Fall 2017

ATSM 6270	Modalities in Sports Medicine	3 credits
ATSM 6280	Pathology and Rehabilitation of Athletic Injuries	3 credits
ATSM 6910	Master's Internship	3 credits
Elective option		3 credits

Spring 2018

RHSCI 7500	Rehabilitation Sciences Seminar	3 credits
ATSM 6880	Sports Medicine Symposium	1 credit
ATSM 6910	Master's Internship	3 credits
ATSM 7830	Journal Readings in Sports Medicine	2 credits

Total: 48 credits

Example Thesis Course Schedule

First Year

Fall 2016

ATSM 6210	Clinical Seminar in Sports Medicine I	3 credits
ATSM 6260	Data Acquisition in Sports Medicine	3 credits
ATSM 6290	Organization and Administration in Sports Medicine	3 credits
ESS 7102	Introduction to Research Methods	3 credits

Spring 2017

ATSM 6211	Clinical Seminar in Sports Medicine II	1 credit
ATSM 6250	Current Trends in Sports Medicine	3 credits
ESS 7103	Design and Analysis I	3 credits
Elective option		3 credits

Summer 2017

ATSM 6040	Advanced Human Anatomy (cadaver lab included)	5 credits

Second Year

Fall 2017

ATSM 6270	Modalities in Sports Medicine	3 credits
ATSM 6280	Pathology and Rehabilitation of Athletic Injuries	3 credits
RHSCI 7970	Thesis Research	3 credits
RHSCI 7500	Graduate Seminar	1 credit

Spring 2018

ATSM 6880	Sports Medicine Symposium	1 credit
ATSM 7830	Journal Club Readings	3 credits
RHSCI 7500	Graduate Seminar	3 credits
ATSM 6970	Thesis Research	3-5 credits

Total: 47-49 credits

Section VII: Faculty

MSSM Core Faculty

- Charlie Hicks-Little, PhD, ATC-L, MSSM Program Director, Assistant Professor
- Lee Dibble, PhD, PT, ATC-L, Athletic Training Education Program Director, Associate Professor
- Jessica Tidswell, PT, DPT, SCS, ATC-L, CSCS, Assistant Professor (Clinical)
- Trevor Jameson, MS, ATC-L, Head Athletic Trainer, University of Utah Athletics Department, Instructor (Clinical)

Department of Physical Therapy and Athletic Training
Rehabilitation Sciences PhD Program Core Faculty

- D. Jim Ballard, PT, DPT, GCS, Assistant Professor (Clinical)
- Misha Bradford, PT, DPT, OCS, Assistant Professor (Clinical)
- Lee Dibble, PhD, PT, ATC-L, Associate Professor
- Micah Drummond, PhD, Assistant Professor
- K. Bo Foreman, PT, PhD, Associate Professor
- Julie Fritz, PT, PhD, ATC, Associate Dean for Research, College of Health, Professor

- Ed Gappmaier, PT, PhD, Director of Graduate Studies, Department of Physical Therapy and Athletic Training, Associate Professor
- Heather Hayes, PT, PhD, NCS, Assistant Professor (Clinical)
- Heidi Lane, PT, DPT, Assistant Professor (Clinical)
- Paul LaStayo, PT, PhD, CHT, Professor
- John Magel, PT, PhD, OCS, Assistant Professor (Clinical)
- Robin Marcus, PT, PhD, OCS, Chief Wellness Officer – University Health Sciences Center, Associate Professor
- Patricia Painter, PhD, Associate Professor (Research)
- David Perrin, PhD, ATC, Dean College of Health, Professor
- Reva Rauk, PT, PhD, MMSc, NCS, Assistant Professor (Clinical)
- Anne Thackeray, PT, PhD, Assistant Professor (Clinical)
- R. Scott Ward, PT, PhD, FAPTA, Chair, Department of Physical Therapy and Athletic Training, Professor

Additional Departmental Collaborations

- Department of Orthopedics
- Department of Neurology
- Division of Physical Medicine and Rehabilitation