

**CALIFORNIA STATE UNIVERSITY SAN MARCOS  
NEW PROGRAM PROPOSAL – P Form Signature Pages**

For Curriculum and Scheduling Office Use Only		
D.B.	Catalog	File
<input type="text"/>	<input type="text"/>	<input type="text"/>

COLLEGE/SCHOOL  CoAS  CoBA  CoE  SoN Discipline

TITLE OF PROGRAM

This form is the signature sheet for new programs and new options/concentrations/tracks within existing programs. For all changes to existing programs (other than addition of new options/concentrations/tracks), use the Form P-2.

- Check one:
- New Undergraduate Major or New Graduate Degree Attach a completed New Program Proposal Template
  - New Option/Concentration/Track
  - New Minor
  - New Teaching Credential
  - New Certificate
- } Attach a completed New Option/Concentration/ Track, Minor, or Teaching Credential Proposal Template
- } Attach a completed New Certificate Proposal Template

Does this proposal impact other disciplines?  Yes  No  
If yes, obtain signature(s). Any objections or concerns should be stated in writing and attached to this form. Please check the box to indicate whether a memo has been attached.

<input type="text" value="Biology"/>	<input checked="" type="checkbox"/> Support	<input type="checkbox"/> Oppose	<input type="checkbox"/> Memo attached
Discipline #1			
<input type="text" value="see email"/>	<input type="text" value="2/5/13"/>		
Signature	Date		

<input type="text"/>	<input type="checkbox"/> Support	<input type="checkbox"/> Oppose	<input type="checkbox"/> Memo attached
Discipline #2			
<input type="text"/>	<input type="text"/>		
Signature	Date		

<input type="text"/>	<input type="checkbox"/> Support	<input type="checkbox"/> Oppose	<input type="checkbox"/> Memo attached
Discipline #3			
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Signature	Date		

<input type="text"/>	<input type="checkbox"/> Support	<input type="checkbox"/> Oppose	<input type="checkbox"/> Memo attached
Discipline #4			
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Signature	Date		

<input type="text"/>	<input type="checkbox"/> Support	<input type="checkbox"/> Oppose	<input type="checkbox"/> Memo attached
Discipline #5			
<input type="text"/>	<input type="text"/>		
Signature	Date		

CALIFORNIA STATE UNIVERSITY SAN MARCOS

P-FORM PREPARATION

1a. TODD A. ASTORIO 11/13/12  
 Originator (Please print) Date

1b. [Signature] 12.3.12  
 Librarian Liaison for Library Report\* Date

1c. [Signature] 12.3.12  
 IITS Liaison for IITS Report\* Date

PROGRAM/DEPARTMENT-LEVEL REVIEW

2. [Signature] 11-13-12  
 Program/Department - Director/Chair\* Date

COLLEGE/SCHOOL-LEVEL REVIEW

3. [Signature] 11/29/12  
 College/School Curriculum Committee\* Date

REVIEW (Signatures must be obtained by proposer)

4a. [Signature] 12/12/12  
 Vice President for Student Affairs\* Date

4b. [Signature] 12-14-12  
 Dean of Library\* Date

4c. [Signature] 12/14/12  
 Dean of Information and Instructional Technology Services\* Date

4d. [Signature] 12-14-12  
 Vice President for Finance and Administrative Services\* Date

4e. [Signature] 12/12/12  
 Dean of Graduate Studies (if applicable)\* Date

4f. [Signature] 11/29/12  
 Associate Dean, Extended Learning Date

COLLEGE/SCHOOL-LEVEL RECOMMENDATION

5. [Signature] 12/19/12  
 College/School Dean/Director\* Date

UNIVERSITY-LEVEL REVIEW

(May not begin until all signatures numbered 1-5 have been obtained.)

6a. \_\_\_\_\_ Date  
 University Curriculum Committee^

6b. \_\_\_\_\_ Date  
 Budget and Long-Range Planning Committee^

FACULTY APPROVAL

7. \_\_\_\_\_ Date  
 Academic Senate

UNIVERSITY-LEVEL APPROVAL

8. \_\_\_\_\_ Date  
 Provost

9. \_\_\_\_\_  
 Date to Chancellor's Office

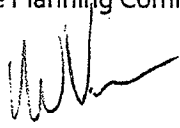
+ Please contact the liaisons at the beginning of the process and allow sufficient time for the liaisons to prepare the resource implication report. Upon completion of the report liaisons will sign.  
 \* May attach a memo on program impact on the unit and the ability of the unit to support it.  
 ^ Attach a memo summarizing the curricular and/or resource deliberations.



California State University  
SAN MARCOS

Kellogg Library California State University San Marcos 333 S. Twin Oaks Valley Road San Marcos, CA 92096-0001  
Tel: 760.750.4330 Fax: 760.750.3318 veres@csusm.edu biblio.csusm.edu

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**DATE:** November 6, 2012  
**To:** Budget and Long Range Planning Committee  
**From:** Wayne Veres  
Interim Dean, Library   
**Subject:** Library Comments for the P form for the MS Program in Kinesiology

The Library is pleased to provide information on resources and expertise available and needed to support the proposed M.S. in Kinesiology. The P-form mentions that:

"Prior to describing additional Library costs of this new Program, please be advised that many of these costs are already part of the existing undergraduate Kinesiology program."

It is necessary to note that the Library has not received any funds specifically for the acquisition of resources to support the Kinesiology BS program since it was first offered in 2004. As the program has added faculty and student enrollment, there have been consistent requests for journal subscriptions. None of these journals have been purchased due to lack of funds. Students and faculty in this program use the Library's inter-library loan service heavily. Inter-library loan services costs take the form of actual payment for articles from institutions (when not freely available from reciprocal libraries), copyright fees, and in staff workload to process requests. Any monographs (books) purchased for the Kinesiology program have come from existing funds for these purchases.

Since this proposal is for a master's program, which by definition will require even more developed research work by students, the need for additional Library resources is even more apparent. At this point in any program proposal, it can be quite difficult to identify specific titles required unless a professional organization has published guidelines/recommendations for library resources.

The A-form for this program included a spreadsheet that listed the Library as requiring \$5000 in FY 2013-14, and \$3000 in subsequent FY until FY 2017-18 in order to have sufficient resources to support this program. This spreadsheet was prepared by Extended Learning. This estimate accurately reflects that the Library does indeed require some additional funding. The exact number may vary, but the Library concurs with this need assessment.

Lastly, Yvonne Nalani Meulemans, Library Faculty, has developed collections, provided information literacy instruction, and reference/research help to students and faculty in this program since its inception.

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The California State University

Bakersfield | Channel Islands | Chico | Dominguez Hills | East Bay | Fresno | Fullerton | Humboldt | Long Beach | Los Angeles | Maritime Academy  
Monterey Bay | Northridge | Pomona | Sacramento | San Bernardino | San Diego | San Francisco | San Jose | San Luis Obispo | San Marcos | Sonoma | Stanislaus

We welcome the opportunity to explain the benefits of these additional resources and if selected we will finalize the budget required for purchase.

cc: : Todd Astorino  
David Barsky  
Virginia Mann  
Yvonne Meulemans  
Hua Yi

BIOL

**Virginia Mann**

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**Subject:** FW: BIOL Comment on new M.S.

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**From:** Todd Astorino  
**Sent:** Tuesday, February 05, 2013 3:38 PM  
**To:** Virginia Mann; Sarah Villarreal  
**Cc:** George Vourlitis  
**Subject:** RE: BIOL Comment on new M.S.

Virginia..my comments to each item raised by BIOL are below..

thanks--Todd  
Todd A. Astorino Ph.D  
Associate Professor, Dept. of Kinesiology  
CSU--San Marcos

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**From:** George Vourlitis  
**Sent:** Tuesday, February 05, 2013 12:46 PM  
**To:** Virginia Mann  
**Subject:** FW: BIOL Comment on new M.S.

Below is the only comment that I received (which appears to be substantial, but does not preclude BIOL from supporting this MS).

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George L Vourlitis  
Professor and Chair,  
Department of Biological Sciences  
Science Hall 1- Room 320  
California State University  
San Marcos, CA 92096, USA  
Phone: 760-750-4119  
Fax: 760-750-3440  
<http://www.csusm.edu/biology>  
<http://www.csusm.edu/terl>

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Given that the new grad program is starting via extended learning and doesn't involve biology courses, I don't see immediate impacts to biology. I have a few questions/comments about the program in general:

- I am curious to know where they will find money (stateside vs. extended learning?) to offer graduate assistantships (p. 14). **These monies will be built into the EL budget and also be obtained from existing KINE Dept. funds as well (stateside, monies obtained from existing EL programs, and even from faculty grant funding..)**
- They suggest that students will complete a thesis/project in one semester (their last one)—perhaps this can work for kinesiology students (and maybe even more so for projects, instead of theses), but it's been my experience that completing a research thesis in 1 semester is unlikely—how would this affect their cohort model if students take longer to complete their research? Perhaps other departments that offer projects (instead of theses) could advise here. **Your interpretation is not exactly correct..students will identify suitable topics through the proposed Seminar class in fall-spring of year 1, and begin their writing at that time (spring yr 1) as well as in fall of yr 2 also in Seminar, with initial pilot testing and data collection starting in fall of yr 2 and ensuing into spring of year 2...our aim is to ensure that students will be finishing data collection in early spring**

of year 2 so they can defend their thesis in a timely manner..basically, we will engage students from a very early time of this timeline and that it must be adhered to...on a case-by-case basis, students may need additional time to complete their thesis, but we are advising students that one of the traits of this program is to be done in 2 yr...

- They note that prior to launching their new grad degree, they will acquire and renovate 2,636 ft2 of space in Univ Hall; if this space allocation does not occur, can they proceed with graduate student research? **This space renovation is currently being done so there is no chance of this not being available..KINE is being moved out of 3rd floor of UNIV Hall is summer 2013 to make room for NURS, so this move is imminent..**
- They are asking for 10-15K annually from extended learning for student equipment (p.16), clarified as a "complement to existing materials" (p.17)—is this expendable supplies? **yes, these funds are to cover cost of consumables and to replace/complement existing equipment when needed..keep in mind, we will also implement course fees for various grad classes with lab components to cover these costs as well, which can be sizable... If the program moves stateside in 5 years (proposed earlier in their document) this amount of annual funding may not be available—could the program continue without these funds? absolutely..with the course fees from existing stateside programs as well as EL funds and those from the proposed grad program, we have sufficient funds to allot in this manner..**
- Noting that external grant funds by dept faculty could be used to hire research assistants or purchase equipment for teaching labs may be risky, given the unpredictable nature of funding these days. **So you know, more than half of current tenure-track faculty have federal funding and the others have applied for similar programs...Also, the ability/desire of some funded faculty to use their grants to support graduate lab classes may need further consideration. you are right, and this can be addressed at a later date...in my opinion, hiring a GA is less expensive than a course buyout of close to \$11k for one class..**
- They will need to address how they will assess GVAR for their students (a University requirement). **I don't know what GVAR is--sorry...if it is writing, students will be doing a tremendous amount of scientific writing in each class so I am confident we can meet the requirements of this policy...**

**Todd Astorino**

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**From:** Gerardo M. Gonzalez  
**Sent:** Monday, December 10, 2012 11:13 AM  
**To:** Todd Astorino  
**Subject:** RE: new program P form

Todd,

If it helps, you can attach my e-mail to the P-Form. Otherwise, I think that you can address this matter through your program handbook and catalog policy text.

G

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**From:** Todd Astorino  
**Sent:** Monday, December 10, 2012 11:04 AM  
**To:** Gerardo M. Gonzalez  
**Subject:** RE: new program P form

thanks for these comments Jerry...what do I do with them? Do I incorporate them into my existing copy of the P form which is still being approved by certain people on campus, and send it to them, or just make sure that the final copy that goes to Dave Barsky contains these items?

can I bring by the P form signature page today for your autograph?

thanks--Todd

Todd A. Astorino Ph.D  
Associate Professor, Dept. of Kinesiology  
CSU--San Marcos  
333 S. Twin Oaks Valley Rd  
San Marcos CA 92096-0001  
[astorino@csusm.edu](mailto:astorino@csusm.edu)  
760 750-7351

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**From:** Gerardo M. Gonzalez  
**Sent:** Monday, December 10, 2012 10:18 AM  
**To:** Todd Astorino  
**Subject:** RE: new program P form

Todd,

Thanks for the opportunity to review the KINE master's P-Form. I commented on a previous draft. The current draft looks good. However, there is one important issue to mention.

At the top of p. 7, criterion L. The document states: "Students will be required to maintain a minimum GPA equal to 3.0. If students fail to meet this minimum standard, they will be required to retake coursework in which a grade less than B – is earned. If students retake courses and are still unable to meet this GPA, they will be disqualified from the Program."

Typically, a student who is placed on probation for a less than 3.0 GPA is provided with a one-semester remediation plan (and subsequent Graduate Dean action) to meet or exceed to the 3.0 GPA requirement. See policy:

[http://www.csusm.edu/policies/active/documents/graduate\\_probation\\_disqualification\\_and\\_reinstatement.html](http://www.csusm.edu/policies/active/documents/graduate_probation_disqualification_and_reinstatement.html)

A remediation plan is based on the program of study options available to the student. Retaking a class is not usually the only recourse to achieve a 3.0 or higher GPA (e.g., the student can take an elective and earn an sufficiently high grade). Moreover, graduate students are only allowed to retake two courses for a grade change. The proposed P-Form language would severely limit the student's options.

Also, the current P-Form language does not give the program flexibility. I don't think that the objective is to weed out students after one semester of poor work. I suggest that you consider language similar to our probation policy language, such as "A student who demonstrates: Repeated failure to (make) progress toward the stated degree objective or other program objective" or program and university requirements shall be dropped from the program.

Of course, you can always be more explicit in your catalog policy and student handbook. Please let me know of any questions.

G

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**From:** Todd Astorino  
**Sent:** Monday, December 03, 2012 10:12 AM  
**To:** Wayne Veres  
**Cc:** Eloise Stiglitz; Gerardo M. Gonzalez  
**Subject:** FW: new program P form

Hello colleagues..please note that I am trying to get a P form signature page signed by stakeholders on campus for our proposed MS program in Kinesiology..

Wayne, I would like to bring the form to you first followed by Eloise and then Jerry..where can I find you, Wayne and Eloise?

Please let me know if this is doable on your end..the P form was approved by the CEHHS curriculum committee last week...

Thanks—Todd

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**From:** Todd Astorino  
**Sent:** Sunday, December 02, 2012 8:11 AM  
**To:** Virginia Mann  
**Cc:** David Barsky  
**Subject:** RE: new program P form

Hi Virginia..attached is the finalized P form..I will bring the signature page and C forms to you first thing Monday morning..

thanks--Todd  
Todd A. Astorino Ph.D  
Associate Professor, Dept. of Kinesiology  
CSU--San Marcos  
333 S. Twin Oaks Valley Rd  
San Marcos CA 92096-0001



# CSU San Marcos Degree Program Proposal Template<sup>1</sup>

## 1. Program Type (Please specify any from the list below that apply—delete the others)

- √ Self-Support
- √ (Partially) Online Program
- √ Fast Track
- √ Pilot
- √ Pilot Conversion
- √ New Program

## 2. Program Identification

- a. Campus: CSU—San Marcos main campus
- b. Full and exact degree designation and title: Master of Science in Kinesiology
- c. Date the Board of Trustees approved adding this program projection to the campus Academic Plan.<sup>2</sup>
- d. Term and academic year of intended implementation: Fall 2013
- e. Name of the department(s), division, or other unit of the campus that would offer the proposed degree major program: Department of Kinesiology within the CEHHS.
- f. Name, title, and rank of the individual(s) primarily responsible for drafting the proposed degree major program: Todd A. Astorino Ph.D, Associate Professor, Kinesiology
- g. Statement from the appropriate campus administrative authority that the addition of this program supports the campus mission and will not impede the successful operation and growth of existing academic programs. (**CPEC “Appropriateness to Institutional and Segmental Mission”**)<sup>3</sup> please see documents added to this P form.
- h. Any other campus approval documents that may apply (e.g. curriculum committee approvals): please see attached documentation, such as the CEHHS Curriculum Committee approval letter as well as similar documents from other stakeholders on campus.

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<sup>1</sup> When beginning to fill out this form, contact Academic Programs for general guidance and for samples of recent program proposals. It is recommended that program proposers start to fill out the template with the catalog description and the student learning outcomes in Section 3.b and 4.a.

<sup>2</sup> The “campus Academic Plan” is called the University Academic Master Plan (UAMP) at CSU San Marcos. Contact Academic Programs for this date.

<sup>3</sup> Proposers do not need to supply this item. As the proposal goes through the approval process, memos from campus administrators are obtained. These will be collected and added to the proposal by the Curriculum and Scheduling Office as a response for this item.

- i. Please specify whether this proposed program is subject to WASC Substantive Change review.<sup>4</sup> Per Jennifer Jeffries in Spring 2011, this program is NOT subject to the WASC Substantive Change review.
- j. **Optional: Proposed Classification of Instructional Programs (CIP) Code and CSU Degree Program Code**<sup>5</sup>  
CIP code: 31.0501  
CSU Degree Program Code: 08351

### 3. Program Overview and Rationale

Rationale, including a brief description of the program, its purpose and strengths, fit with institutional mission, and a justification for offering the program at this time:

Kinesiology is defined as the study of movement, yet encompasses diverse fields of Exercise Physiology, Motor Learning, Biomechanics, Physical Education, and Nutrition, amongst others. Originally developed as an “offshoot” of Physical Education, Kinesiology has dramatically evolved into a field focusing on identifying strategies to reduce risks of chronic disease and enhance health status in various populations. Despite these efforts, one person dies of heart disease every 30 s in the United States, and approximately 50 % of the population does not meet minimum recommendations for physical activity. Consequently, students pursuing study in this domain face challenges in regards to promoting a healthy lifestyle, yet the need for professionals in this field continues to be great.

Brief Description: We propose a two-year, 36-unit cohort-based Master’s Program in Kinesiology that will present the most current curriculum as well as emphasize critical thinking skills and ‘hands-on’ opportunities for students to develop their laboratory, clinical, and research skills, eventually resulting in completion of a thesis or project. Courses will be face-to-face as well as in hybrid form, and taught in the afternoon and/or evening to better attract potential applicants who are currently working. Courses will be offered exclusively by Kinesiology faculty to reduce burden on other Departments and will emphasize theoretical content and application of science to practice. Graduates of this Program will be independent learners who are prepared to initiate doctoral study, seek careers in health care or health and fitness, and become leaders in addressing health outcomes in the North County region.

Fit with CSUSM’s Mission and Vision: CSUSM’s mission states a “*commitment to sustained excellence in teaching, research, and community partnership that in turn, enhances student learning.*” It further states that we ground our mission “*in the public trust, alignment with regional needs, and sustained enrichment of the intellectual, civic, economic, and cultural life of our region and state.*”

CSUSM’s vision states that “*we will become a distinctive public university known for academic excellence, service to the community, and innovation in higher education...students will select from a growing array of specialized programs responsive to state and regional needs*”. It further states “*CSUSM will celebrate and capitalize on its diversity to form a learning community committed to this shared vision.*”

The proposed program aligns with the Mission as we are confident that the classroom and inquiry-based experiences offered to students will be top-notch. In addition, we will establish relationships with community partners to provide students valuable “real-world” experiences that may end in job placements

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<sup>4</sup> Generally this refers to a degree offered at a new level (e.g., a doctorate). To be certain that a WASC Substantive Change review is not necessary, contact the Associate Vice President for Planning and Accreditation.

<sup>5</sup> Contact Academic Programs for assistance in proposing CIP and Program (formerly HEGIS) codes.

upon graduation. Program goals will meet the Vision by serving the community. As our Program focus is examining chronic disease through innovative pedagogy and cutting-edge research, it is likely that students and faculty will collaborate to address health disparities in the region.

Justification: San Diego County is in need of additional programs designed to provide graduate training in Kinesiology, as the only existing Program is at SDSU. This Program is well-regarded yet only accepts 25 % of applicants annually and has been severely affected by the State's budget crisis. Other M.S. Programs exist at regional Universities (CSU-Fullerton, CSU-LA, etc.), yet their focus falls outside the area of chronic disease. Our campus is uniquely positioned to meet this need, as the majority of current tenure-track faculty have external grant funding to support research in osteoporosis (Dr. Witzke), gait and locomotion (Dr. Nessler and Dr. Jindrich), cardiovascular disease (Dr. Newcomer), and bone health in spinal cord injury (Dr. Astorino). Through these ventures, we aim to continue this innovative research in the future to promote collaborations between our Department and local hospitals and rehabilitation facilities.

The proposed degree program is in response to data gathered by me regarding student interest in this area of study, in that 63 % of current and previous students ( $N = \sim 400$ ) were eager to continue their education in an M.S. program within our Department. My review of current M.S. programs in Kinesiology within the CSU suggests that there are more applicants to these programs than available spaces.

Due to the uncertain status of the state budget, it is not justifiable to offer this program using state support, so it will be offered for the first 5 years through Extended Learning. At that time, Program Review will be implemented to move it to stateside support if warranted, although it is possible that it could remain on self-support.

Proposed catalog description, including program description, degree requirements, and admission requirements. For master's degrees, please also include catalog copy describing the culminating experience requirement(s):

The M.S. Program in Kinesiology is a 36-unit Program characterized by innovative coursework and robust laboratory experiences. The Program will prepare graduates to enter careers requiring a Master's Degree or initiate doctoral study in Allied Health (e.g. Physical Therapy), Exercise Physiology, Biomechanics, or other related fields. Led by top-notch faculty, students will actively participate in hands-on learning in the classroom and laboratory. The program offers students a Thesis/Project Option and is designed to strengthen the breadth and depth of students' content knowledge and applied skills in Kinesiology and its subdisciplines.

Graduates will be prepared for work in various fields including worksite health promotion, clinical exercise physiology, cardiac rehabilitation, commercial fitness, public/private or non-profit health agencies, chronic disease prevention in community settings, teaching/coaching at the community college level, independent research in the field of specialization, or continued graduate study at doctoral-granting institutions.

Degree requirements will include completion of nine core courses and the culminating experience which will offer students the choice of a thesis or project under supervision of a faculty member within the Department.<sup>6</sup>

#### **4. Curriculum**

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<sup>6</sup> Use the format found in the most recent General Catalog.

- a. Goals for the (1) program and (2) student learning outcomes. Program goals are very broad statements about what the program is intended to achieve, including what kinds of graduates will be produced. Student learning outcomes are more specific statements that are related to the program goals but that more narrowly identify what students will know and be able to do upon successful completion of the program.<sup>7</sup>

**Program Goals:** Goals of the M.S. Program in Kinesiology align with the recent trend in this discipline to examine effects of lifestyle change such as exercise on onset and severity of chronic disease, and will include:

1. to prepare students to become expert scholars and professionals in exercise, physical activity and sport, health promotion, rehabilitation, and other related disciplines.
2. to provide students a student-centered and innovative curriculum offered by faculty who are experts in their field.
3. to engage students in various research opportunities in and out of the classroom.
4. to become a leader in the preparation of graduate students in Kinesiology in the San Diego County region.

**Student Learning Outcomes:**

1. understand the role of exercise and physical activity to reduce onset and severity of chronic disease through examination of evidence-based content.
  2. demonstrate and master applied laboratory and measurement skills commonly used in Kinesiology.
  3. demonstrate proficiency in public speaking, data analysis, and scientific writing.
  4. understand the origins of human movement and its relation to health and physical activity.
  5. design, acquire, and disseminate results as demonstrated by successful completion of a Thesis or Project.
- b. Plans for assessing program goals and student learning outcomes. Some planners find it helpful to develop matrices in which student learning outcomes and required courses are mapped, indicating where content related to the learning outcomes is introduced, reinforced, and practiced at an advanced level in required courses. (CPEC “**Maintenance and Improvement of Quality**”)

Upon program completion of each 2-year cohort, information will be obtained through anonymous student surveys and performance on the thesis or project regarding if students are meeting SLOs established in the section above. This process will be repeated 5 years into the Program when decisions are made whether to bring it stateside.

- c. Total number of units required for the major: 36
- d. Include a justification for any baccalaureate program that requires more than 120-semester units or 180-quarter units: NA

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<sup>7</sup> Complete the Student Learning Outcomes Table. The template for this table may be downloaded from ([http://www.csusm.edu/academic\\_programs/Curriculum\\_Forms/New\\_Forms/Table\\_II\\_for\\_New\\_Programs.xls](http://www.csusm.edu/academic_programs/Curriculum_Forms/New_Forms/Table_II_for_New_Programs.xls)). Provide an initial assessment plan for the program. This plan will be the basis for the annual assessment reports that will begin upon implementation of the program. The data collected via these assessments will be the basis of the first program review (generally scheduled five years after program implementation). Contact Academic Programs for sample tables from other program proposals.

- e. If any formal options, concentrations, or special emphases are planned under the proposed major, identify and explain fully. Optional: You may propose a CSU degree program code and CIP code for each concentration that you would like to report separately from the major program, if the option is approximately equivalent to a degree currently listed on the CSU application-booklet degree program table. If you do not find an appropriate CSU degree program code at: [http://www.calstate.edu/app/documents/HEGIS-CIP2000\\_102406.xls](http://www.calstate.edu/app/documents/HEGIS-CIP2000_102406.xls), you can search CIP 2000 at <http://nces.ed.gov/pubs2002/cip2000/> to help identify the code that best matches the proposed curriculum.

At program initiation, no unique options or concentrations will be offered, although it is likely that these will be implemented in the future as the Program expands.

- f. A list of all courses *required* for the major, specifying catalog number, *title*, units of credit, and prerequisites or co-requisites (ensuring that there are no "hidden" prerequisites that would drive the total units required to graduate beyond the total reported in 4c above).

KINE 500: Biomechanics (4)  
KINE 501: Motor Control (4)  
KINE 502: Research Methods (3)  
KINE 503: Advanced Statistics in Kinesiology (3); prerequisite = KINE 502  
KINE 506: Seminar in Kinesiology (2) to be taken 3 times for total of 6 units  
KINE 507: Physical Education Methods (3)  
KINE 524: Public Health (3)  
KINE 526: Advanced Exercise Physiology (4)  
KINE 595: Practicum (3)  
KINE 598: Thesis (3)

- g. List of *elective* courses that can be used to satisfy requirements for the major, specifying catalog number, title, units of credit, and prerequisites or co-requisites. Include proposed catalog descriptions of all new courses. For graduate program proposals, identify whether each course is a graduate or undergraduate offering. NA

Note: With regard to Sections 4f and 4g, a proposed program should take advantage of courses already offered in other departments when subject matter would have considerable overlapping content.

- h. List of any new courses that are: (1) needed to initiate the program and (2) needed during the first two years after implementation. Only include proposed catalog descriptions for new courses. For graduate program proposals, identify whether each course is a graduate-level or undergraduate-level offering.

All courses for the proposed program are new courses and outlined below during the 2-year sequence. All new courses are graduate-level.

*Year 1; Fall semester:*

KINE 502 Research Methods (3)  
KINE 500 Advanced Biomechanics (4)  
KINE 506 Seminar (2)

*Year 1; Spring semester:*

KINE 503 Statistics in Kinesiology (3)  
KINE 506 Seminar (2)

KINE 526 Advanced Exercise Physiology (4)

*Year 2, Fall semester:*

KINE 501 Motor Control (4)

KINE 506 Seminar (2)

KINE 524 Public Health (3)

KINE 595 Practicum (3)

*Year 2, Spring semester:*

KINE 598: Thesis (3)

KINE 507: Physical Education Methods (3)

- i. Attach a proposed course-offering plan for the first three years of program implementation, indicating, where possible, likely faculty teaching assignments:

Initially, courses listed above will be taught once every 2 years. KINE 506 (Seminar) will be taught by faculty on a revolving basis; whereas, other classes will be taught by faculty whose expertise lies in each specific area e.g. Biomechanics (Nessler), Motor Control (Jindrich), Public Health (Romero), Physical Education (Stuhr), and Exercise Physiology (Astorino and Newcomer). It is likely that KINE 500 and 502 will be taught by a combination of adjunct faculty as well as Dr. Kara Witzke, although this is not certain at present. We are also requesting a new faculty hire (funded through Extended Learning as a full-time lecturer) to offer the Research Methods and Statistics courses in this program as well as similar courses in the undergraduate KINE program.

- j. For master's degree proposals, include evidence that program requirements conform to the minimum requirements for the culminating experience, as specified in Section 40510 of Title 5 of the California Code of Regulations.<sup>8</sup>

Students will advance to candidacy in the fall semester of year 2 after completing all previous coursework with a grade of B- or better. Successful completion of this Program requires completion of a Thesis or Project in spring semester of year 2.

A student who earns less than a B- in any course will be allowed to repeat the course once with the next cohort. Failure to earn a grade of B- or better in this repeated course will provide justification for disqualification from the program.

- k. Admission criteria, including prerequisite coursework:

Students will be required to submit official transcripts to the Graduate Coordinator describing all college coursework, three (3) letters of recommendation, as well as a letter of intent describing their rationale for applying to the Program, career goals, and desire to work with a specific faculty member.<sup>9</sup>

Applicants will also have an undergraduate GPA  $\geq 2.80$ , GRE verbal and quantitative score  $\geq 140$  and analytical writing score  $> 3$ , as well as an undergraduate degree in Kinesiology/Exercise

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<sup>8</sup> Contact Graduate Studies for assistance in making certain that the program conforms to CSU requirements for a master's program.

<sup>9</sup> This item generally applies to graduate programs and self-support programs. For assistance, contact Graduate Studies for the first situation, and Extended Learning for the second. For an undergraduate, state-support program for which admission criteria are desired, contact Academic Programs to discuss this matter.

Science or related field with prior coursework in Anatomy and Physiology, Exercise Physiology, Motor Learning or Biomechanics, and Statistics.

- l. Criteria for student continuation in the program:<sup>10</sup> Criteria for continuation are in accordance with Executive Order 1038. Students will be required to maintain a minimum GPA equal to 3.0. If students fail to meet this minimum standard, they will be required to retake coursework in which a grade less than B – is earned. If students retake courses and are still unable to meet this GPA, they will be disqualified from the Program.
- m. For undergraduate programs, planned provisions for articulation of the proposed major with community college programs: NA
- n. If there is a Lower-Division Transfer Pattern (LDTP) for this major, indicate the relationship between the LDTP and the requirements presented in this proposal: NA.
- o. Advising “roadmaps” that have been developed for the major: The sequence of courses is listed in section h, so is relatively straightforward. Our use of a cohort model upon initiation of the Program lessens the need for these “roadmaps” as courses will be taken by all students in the same sequence.
- p. Provision for meeting accreditation requirements, if applicable, and anticipated date of accreditation request (including the WASC Substantive Change process): At this time, Kinesiology programs do not require accreditation by any entity.

**Accreditation Note:**

*Master's degree program proposals*

If subject to accreditation, establishment of a master's degree program should be preceded by national professional accreditation of the corresponding bachelor's degree major program:

Please see above in section p; this is unlikely as undergraduate/graduate programs in Kinesiology currently do not typically require any type of accreditation.

*Fast-track proposals*

Fast-track proposals cannot be subject to specialized accreditation by an agency that is a member of the Association of Specialized and Professional Accreditors unless the proposed program is already offered as an authorized option or concentration that is accredited by an appropriate specialized accrediting agency.

**5. Need for the Proposed Degree Major Program  
(CPEC “Societal Need,” “Number of Existing Programs in the Field,” and “Advancement of the Field”)**

- a. List of other California State University campuses currently offering or projecting the proposed degree major program; list of neighboring institutions, public and private, currently offering the proposed degree major program.<sup>11</sup>

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<sup>10</sup> This item generally only applies to programs with admission criteria (item 4k). For undergraduate programs, the criteria should be that the student remain on good academic standing (i.e., not be subject to Academic Disqualification). For assistance with this item, contact Graduate Studies, Extended Learning or Academic Programs as in item 4k.

<sup>11</sup> Contact Academic Programs for a list of other CSU campuses offering related programs.

As of fall 2011, 15/21 CSU campuses offer the M.S. degree in Kinesiology, including 7 in the greater Southern California region (SDSU, CSU—Fullerton, CSU—LA, CSU—Pomona, CSU—SLO, CSU—Northridge, CSU—Long Beach) and 8 in Northern California (CSU-Chico, CSU—Sacramento, SFSU, SJSU, CSU—Fresno, CSU—East Bay, CSU—Sonoma, CSU--Humboldt). Additional neighboring institutions also offering the degree program include UCLA and USC (Integrative Biology and Physiology); UC-Davis (Exercise Science); University of the Pacific (Sport Sciences).

- b. Differences between the proposed program and programs listed in Section 5a above:

The greatest distinction between the proposed program and current CSUs offering this degree is our emphasis towards improving health outcomes through productive, innovative research and transformational pedagogy. For example, the majority of tenure-track faculty who will teach and mentor students in this proposed program maintain multi-year grants from NIH, NSF, AHA, targeting health outcomes through exercise intervention. This aligns with the trajectory of Kinesiology as a discipline in the last 10 – 15 years. Students will be encouraged to assist faculty in these endeavors to the benefit of all parties. Currently, the majority of CSU campuses maintain a ‘sport science’ paradigm that examines human performance, with primary application of results to athletes/coaches and/or the general field of study. In contrast, our emphasis will be to disseminate knowledge and lifelong skills to graduates that can be applied in various health-care related areas to prevent and mitigate complications of chronic disease.

- c. List of other curricula currently offered by the campus that are closely related to the proposed program: None, although it is likely that our undergraduate Kinesiology program may become a “feeder” for applicants into the proposed degree program.
- d. Community participation, if any, in the planning process. This may include prospective employers of graduates:

Although no formal documents are currently in place, we see the potential for regional employers in health care and related fields such as Personal Training, Strength and Conditioning, academia, Allied Health, etc. to be interested in our graduates. In addition, the undergraduate Kinesiology program has established relationships with dozens of facilities across North County to place interns, so it is likely that this will be continued as well in the proposed degree program.

- e. Demand for graduates:

The Department of Labor (Bureau of Labor Statistics, 2010-11 Edition) issues some compelling statistics for job outlook for persons such as Fitness Specialists, etc. who maintain an M.S. degree in Kinesiology. Employment is expected to increase by 29 % in the next decade for Fitness Specialists, and 24 % for Cardiac Rehab employees due to strong demand for their skill set. In 2009, the California Employment Development Department projected a 17 % increase in demand for careers in the Education Services and Health Care sector from 2006 – 2016. In regards to college faculty working at two-year and four-year institutions, demand will be strong in the next decade as the number of 19 to 24 year-olds, those who traditionally initiate college, will be increasing, and faculty hired in the 1960s and 1970s will be retiring.<sup>12</sup>

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<sup>12</sup> One source of data, in addition to those provided at the end of section 5, is the San Diego Association of Governments website: <http://www.sandag.cog.ca.us>



- f. If the program was proposed to meet society's need for the advancement of knowledge, please specify the need and explain how the program meets that need.<sup>15</sup>

Please see section 5e above. There is a clear demand for graduate-level practitioners in this field, and with chronic disease of epidemic proportions in this country, there is a great need for leaders in Kinesiology to combat these health disparities.

**Note: Data Sources for Demonstrating Evidence of Need**

APP Resources Web <http://www.calstate.edu/app/resources.shtml>

US Department of Labor, Bureau of Labor Statistics

California Labor Market Information

Labor Forecast

**6. Student Demand (CPEC "Student Demand")**

- a. Compelling evidence of student interest in enrolling in the proposed program. Types of evidence vary and may include national, statewide, and professional employment forecasts and surveys; petitions; lists of related associate degree programs at feeder community colleges; reports from community college transfer centers; and enrollments from feeder baccalaureate programs, for example.<sup>13</sup>

Employment forecasts for graduates with a Master's degree in Kinesiology are outlined above in section 5e. To get a better sense of student interest in this proposed program, which appears to be strong, current and former Kinesiology students as well as some students in Nursing and Human Development were sent a link to a 7-item survey containing questions addressing potential interest in this Program. Keep in mind, many former students are currently working and have expressed desire to continue their training in a graduate program within our Department. Ultimately, 337 students completed the survey and their answers to each question regarding student interest are below.

**Question 1: How interested would you be in pursuing a Master's of Science in Kinesiology at CSUSM?**

	Response percent	Response count
Yes, very interested	63.8 %	215
Somewhat interested	30.6 %	103
No, not interested	5.6 %	19

<sup>13</sup> Contact Enrollment Management Services to obtain numbers of students with declared majors, options/concentrations/emphases/tracks/etc., and minors. Contact Academic Programs to obtain enrollment histories in specific courses. Surveys of potential employers might show the need for the proposed program. Please explain if there are discrepancies between national/statewide/professional manpower surveys and local findings. Contact the Career Center for assistance in completing this section.

**Question 2: If you stated that you were “very interested” or “somewhat interested,” would you still be interested if it was offered through self-support through Extended Learning, in which financial aid is still available, but courses are more expensive than state-sponsored classes?**

	<b>Response percent</b>	<b>Response count</b>
Yes, still interested	34.5 %	111
Somewhat interested depending upon the cost	45.3 %	146
No, not interested	20.2 %	65
Not applicable	4.4 %	15

**Question 3: If you answered “yes, still interested” or “somewhat interested,” would you prefer to take classes face-to-face, hybrid (face-to-face with some on-line), or solely online?**

	<b>Response percent</b>	<b>Response count</b>
Face-to-face	32.9 %	106
Hybrid	65.2 %	210
Solely on-line	1.9 %	6
Not applicable	4.4 %	15

**Question 4: If you answered either face-to-face or hybrid, would you prefer that classes meet during the day, evening, and/or weekend? (please mark all that apply)**

	<b>Response percent</b>	<b>Response count</b>
Daytime	79.7 %	251
Evening	54.6 %	172
Weekends	18.7 %	59
Not applicable	6.6 %	22

**Question 5: If you are interested in possibly pursuing the M.S. in Kinesiology at CSUSM, which option would interest you most? (please mark all that apply)**

	<b>Response percent</b>	<b>Response count</b>
Exercise Physiology and Disease	80.1 %	222
Biomechanics/Motor Control	48.0 %	113
Education	27.1 %	75
Not applicable	18.0 %	60
Other (please describe)	0.0 %	0

**Question 6: As a culminating experience for the M.S. Program, would you choose a thesis, project, or comprehensive exam?**

	<b>Response percent</b>	<b>Response count</b>
Thesis	14.9 %	48
Project	61.2 %	197
Comprehensive exam	23.9 %	77
Not applicable	4.4 %	15

**Question 7: Would offering teaching or research assistantships (that would pay you a stipend and may defray tuition costs) to qualified students increase your interest in applying to our Program?**

	<b>Response percent</b>	<b>Response count</b>
Yes, definitely	41.4 %	133
Maybe, but it would not change my interest in applying	56.4 %	181
Not applicable	1.8 %	6

b. Issues of access considered when planning this program.

The first issue regarding access is the specific times at which courses will be offered. We understand that many applicants work full-time and wish to continue their education at times that are conducive to this schedule, so we anticipate late-afternoon as well as evening course offerings. In fact, the majority of students (55 – 75 %) completing the aforementioned survey desired courses taught during these times. In addition, the cost of this proposed program is competitive (~ \$460.00/unit) with similar programs offered at neighboring institutions despite

it being on self-support. We intend to offer Graduate Assistantships to the most deserving applicants which may defray some costs of their education. Since federal financial aid is available for this program, we believe it will provide an attractive option for all prospective students. Lastly, the cohort model will allow students to enroll in all classes needed to graduate without intense competition from other students, which should expedite progress towards graduation and overall provide opportunities for prospective students to have access to this graduate program.

- c. For master's degree proposals, the number of declared undergraduate majors and the degree production over the preceding three years for the corresponding baccalaureate program, if there is one.<sup>14</sup>

The existing B. S. Program in Kinesiology at CSUSM has graduated approximately 100 – 120 students annually during the preceding 2 – 3 yr. It is expected that some of these graduates will apply to this proposed M. S. Program to further their education. From 2008 – 2011, there were 353 to 474 students graduating from health-related majors including BIOL, HDEV, NURS, and PSYC who may desire graduate training in Kinesiology.

- d. Professional uses of the proposed degree program.

Much of this response can be found above in Sections 5e and 6a. However, it must be emphasized that chronic disease such as diabetes, hypertension, and heart disease are of epidemic proportions in the state and across the nation, and educational programs are needed that maintain a focus to attenuate severity and onset of disease through applied, student-centered pedagogy and innovative research.

- e. The expected number of majors in the year of initiation and three years and five years thereafter. The expected number of graduates in the year of initiation, and three years and five years thereafter.<sup>15</sup>

After consultations with Extended Learning, we envision an initial cohort equal to 20 – 30 students upon introduction of this Program. Three and five years later, there should be adequate demand to accept applicants on an annual basis and maintain a minimum of 40 - 50 students in the Program.

**7. Existing Support Resources for the Proposed Degree Major Program**  
**8. CPEC “Total Costs of the Program”)**

**Note:** Sections 7 and 8 should be prepared in consultation with the campus administrators responsible for faculty staffing and instructional facilities allocation and planning. A statement from the responsible administrator(s) should be attached to the proposal assuring that such consultation has taken place.

- a. Faculty who would teach in the program, indicating rank, appointment status, highest degree earned, date and field of highest degree, professional experience, and affiliations with other campus programs. For master's degrees, include faculty publications or curriculum vitae.

Faculty	Rank	Degree earned	Year hired at CSUSM	Expertise	Years of Experience

<sup>14</sup> Contact Enrollment Management Services for these data.

<sup>15</sup> Contact Academic Programs for assistance in estimating the number of majors and graduates.

Todd A. Astorino	Associate	Ph.D	2004	Exercise Physiology	12
Devin Jindrich	Assistant	Ph.D	2011	Motor Learning	8
Jeff Nessler	Assistant	Ph.D	2008	Biomechanics	7
Sean Newcomer	Assistant	Ph.D	2013	Exercise Physiology	8
Devan Romero	Assistant	Dr.PH	2011	Public Health	1
Paul Stuhr	Assistant	Ph.D	2008	Physical Education	5
Kara Witzke	Associate	Ph.D	2006	Exercise Physiology	12

All faculty teaching in the Program have terminal degrees in their fields and are productive researchers as exhibited by a history of high-quality publications in their specific areas as well as success in University teaching. The majority of the faculty have experience supervising students in mentored research and have sat on Master's or Dissertation committees as required in this proposed degree program.

**Note: For all proposed graduate degree programs, a minimum of five full-time faculty members with the appropriate terminal degree should be on the program staff.**  
(Code Memo EP&R 85-20)

b. Space and facilities that would be used in support of the proposed program:

The Department of Kinesiology maintains existing lab space in UNIV 360 (~ 2,500 sq ft = Human Performance Lab) as well as ACD 111 – 115 (Motor Learning and Biomechanics) which comprises another 2,000 sq ft of space. In summer 2013 prior to launch of this proposed program, 3<sup>rd</sup> floor of UNIV will be vacated for Nursing and existing equipment in UNIV 360 will be returned to ACD. We are planning to house remaining lab space for Motor Learning and Biomechanics in UNIV 2<sup>nd</sup> floor (2,636 sq ft) which will be renovated to accommodate Motor Learning and Biomechanics. Regarding classroom space, as most courses will be taught in the afternoon and evening on the CSUSM main campus, dedicated classroom space for this program should be available. Extended Learning is also willing to explore off-campus sites if the need presented itself.

c. A report provided by the campus Library, detailing resources available to support the program (discussion of subject areas, volume counts, periodical holdings, etc. are appropriate).<sup>16</sup>

Prior to describing additional Library costs of this new Program, please be advised that many of these costs are already part of the existing undergraduate Kinesiology program. Yvonne

<sup>16</sup> Contact the Library for this report.

Muelemans has prepared a statement outlining resource needs of this proposed program which are described in the Appendix.

- d. Existing academic technology, equipment, and other specialized materials currently available.<sup>17</sup>

The majority of faculty will likely use the current Moodle course management system to organize their courses, and students will need access to the Microsoft Office package as well as SPSS and GraphPad Prism to analyze and graph scientific data. Refresh computers will be requested from Academic Computing for student use in our Labs. All of these services currently exist on our campus, so no new materials would be needed. The existing Human Performance Laboratory and Biomechanics/Motor Learning labs are very well-stocked for the undergraduate program, which is characterized by at least 3 classes with dedicated lab sections as well as faculty scholars who actively conduct research using said equipment. Nevertheless, existing equipment will be quite strained with frequent use by students in the proposed degree program, as the curriculum is characterized by a multitude of lab experiences including theses and projects. So, monies are being built into the Extended Learning Program budget to purchase additional equipment for student use upon launch of the program (\$40,000.00) as well as on an annual basis (\$10,000.00 – 15,000.00).

## **9. Additional Support Resources Required (CPEC “Total Costs of the Program”)**

Note: If additional support resources will be needed to implement and maintain the program, a statement by the responsible administrator(s) should be attached to the proposal assuring that such resources will be provided.

- a. Any special characteristics of the additional faculty or staff support positions needed to implement the proposed program.<sup>18</sup>

The majority of CSU M.S. Programs in Kinesiology maintain a Graduate Coordinator who responds to questions posed by prospective applicants and assists existing students throughout their completion of the M.S. degree. We are proposing one course release per year for this faculty member who takes on this role. The Extended Learning office also houses advisors who could help in this capacity. As mentioned in section 4i, we will conduct a search in spring 2013 (with this position funded by Extended Learning) for a full-time lecturer to teach Statistics and Research Methods courses within this program as well as in the undergraduate KINE program. In regards to additional administrative assistant needs, Extended Learning maintains staff who can assist in this capacity.

One additional need of this proposed Program is funding of Graduate Teaching Assistants (TA), who will be responsible for teaching undergraduate lab offerings in Exercise Physiology, Motor Learning, and Biomechanics. This will free up tenure-track faculty to teach in the Graduate Program. We foresee ¼-time TAs who will be paid at a rate = \$11.00/hour and may receive partial defraying for tuition costs as well. These positions will be competitive and will only be extended to the most deserving applicants who have a lot of

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<sup>17</sup> Contact Instructional and Information Technology Services (IITS) for a report addressing information technology and academic computing resources available to support the program. Programs currently possessing additional equipment and specialized material not addressed in the IITS report should include these here.

<sup>18</sup> Include additional faculty lines needed to support the course offerings indicated in 4.i and 4.o. Indicate whether any external funds are expected to support faculty lines.

experience in a Kinesiology lab characterized by use of various equipment germane to our field. Research Assistants may also be hired using existing grant funds held by select faculty.

- b. The amount of additional lecture and/or laboratory space required to initiate and to sustain the program over the next five years. Indicate any additional special facilities that will be required. If the space is under construction, what is the projected occupancy date? If the space is planned, indicate campus-wide priority of the facility, capital outlay program priority, and projected date of occupancy.<sup>19</sup>

As only nine additional new courses will be developed for this proposed Program, additional lecture space is not needed at this time. In addition, courses will be primarily offered in the afternoon and early evenings when classroom space should not be at a premium. Regarding laboratory space, existing Kinesiology labs in ACD and UNIV should be adequate in the short-term, although we will always pursue additional lab space if any opportunities arise on- or off-campus.

- c. A report written in consultation with the campus librarian, indicating any additional library resources needed. Indicate the commitment of the campus either to purchase or borrow through interlibrary loan these additional resources.<sup>20</sup>

Please see section 7c and the corresponding report written by Yvonne Muelemans and Wayne Veres regarding anticipated library resources needed for this proposed program.

- d. Additional academic technology, equipment, or specialized materials that will be (1) needed to implement the program and (2) needed during the first two years after initiation. Indicate the source of funds and priority to secure these resource needs.<sup>21</sup>

Section 7d denotes academic technology resources that will be needed to execute this program, yet all are existing materials so acquisition of any new materials is not expected. Additional laboratory equipment will be purchased to support this program, as "hands-on" opportunities will be central to our pedagogy as well as students' completion of a thesis or project in year 2 of the Program. However, Extended Learning will provide funds in year 1 of the Program to purchase new equipment as well as funds on a year-by-year basis to complement existing materials. It is also likely that faculty will use external funding to purchase equipment for our Labs.

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<sup>19</sup> Contact Planning, Design and Construction for assistance in answering questions about space that is under construction or being planned. Indicate whether any external funds are expected to support construction of facilities.

<sup>20</sup> This should follow directly from the Library report in 7.c.

<sup>21</sup> Information technology and academic computing needs should follow directly from the IITS report in 7.d. Additional specialized equipment and materials that will be needed should be addressed here.

## 9. Additional CSUSM New Program Requirements

A. Summarize the responses in items **8a-8d** by completing the spreadsheet in Table III. The template for this table may be downloaded from

[http://www.csusm.edu/academic\\_programs/Curriculum\\_Forms/fill\\_in\\_rest\\_of\\_URL](http://www.csusm.edu/academic_programs/Curriculum_Forms/fill_in_rest_of_URL).

B. List all pre-requisites and/or required preparatory courses for the major, and in what year of a four-year sequence they would be taken. Indicate which courses are outside of the department proposing the major.<sup>22</sup>

The following 4 courses are required prerequisites for admission into the KINE program.

Course Title	Units of Credit	Year Taken	Outside major dept?
Exercise Physiology	4.0	NA	No
Anatomy and Physiology I and II	4.0 each	NA	Yes
Motor Learning	3.0	NA	No
Statistics	3.0	NA	Yes

C. Referring to the proposed course-offering plan you completed in section 4i, list required and elective<sup>23</sup> courses, and the semester and year in the sequence.<sup>24</sup> Identify any courses in the major department for which course-based fees might be appropriate (e.g., expendable supplies).

Semester	Year	Course Title	# of Units	Elective or Required?	Course Based Fee? <sup>25</sup>
Fall	1	Seminar in Kinesiology	2.0	Required	NA
Fall	1	Research Methods	3.0	Required	NA
Fall	1	Biomechanics	4.0	Required	A
Spring	1	Advanced Statistics in Kinesiology	3.0	Required	NA
Spring	1	Seminar in Kinesiology	2.0	Required	NA
Spring	1	Advanced Exercise Physiology	4.0	Required	A
Fall	2	Public Health	3.0	Required	NA
Fall	2	Seminar in Kinesiology	2.0	Required	NA
Fall	2	Practicum	3.0	Required	NA
Fall	2	Motor Control	4.0	Required	A
Spring	2	Thesis	3.0	Required	NA
Spring	2	Physical Education Methods	3.0	Required	NA

<sup>22</sup> See section 4f

<sup>23</sup> If the choice among electives is extensive, list a generic "Elective" under Course Title.

<sup>24</sup> In addition to section 4i, refer to sections 4f and 4g.

<sup>25</sup> Suggested entries in this column are: N/A (Not appropriate), A (Appropriate, but not yet requested), R (Requested fee is pending approval; also include the amount of the fee), or E (existing course fee; also include the amount of the fee)



## **CATALOG COPY**

### **Master of Science in Kinesiology**

**Graduate Coordinator: Todd A. Astorino Ph.D**

The M.S. Program in Kinesiology is a 36-unit, two-year cohort-based Program characterized by innovative coursework and robust laboratory experiences. The Program will prepare graduates to enter careers requiring a Master's Degree or initiate doctoral study in Allied Health (e.g. Physical Therapy), Exercise Physiology, Biomechanics, or other related fields. Led by top-notch faculty, students will actively participate in hands-on learning in the classroom and laboratory, with special emphasis on examining incidence of chronic disease and how exercise and physical activity can be used to diminish deleterious effects of an unhealthy lifestyle. The program requires students to complete a Thesis and is designed to strengthen the breadth and depth of students' content knowledge, critical thinking and writing proficiency, and applied skills in Kinesiology and its subdisciplines.

Graduates will be prepared for work in various fields including worksite health promotion, clinical exercise physiology, cardiac rehabilitation, commercial fitness, public/private or non-profit health agencies, chronic disease prevention in community settings, teaching/coaching at the community college level, independent research in the field of specialization, or continued graduate study at doctoral-granting institutions.

The Department of Kinesiology at CSU—San Marcos is well-suited to offer the M.S. Program in Kinesiology. Faculty are innovative, productive scholars dedicated to student-centered instruction as well as scientific investigation in various settings. Our state-of-the-art Laboratories maintain all equipment needed to sustain such a Program and provide students with various "hands-on" opportunities. The faculty consists of experts in Exercise Physiology, Motor Learning, Biomechanics, Physical Education, and Public Health. Overall, this program will produce graduates who are independent learners prepared to initiate doctoral study, seek careers in health care or health and fitness, and become leaders in addressing health outcomes in the North County region.

#### **Student Learning Outcomes:**

1. understand the role of exercise and physical activity to reduce onset and severity of chronic disease through examination of evidence-based content.
2. demonstrate and master applied laboratory and measurement skills commonly used in Kinesiology.
3. demonstrate proficiency in public speaking, data analysis, and scientific writing.
4. understand the origins of human movement and its relation to health and physical activity.
5. design, acquire, and disseminate results as demonstrated by successful completion of a Thesis.

### **Admission Requirements and Application Materials:**

Students will be required to submit official transcripts to the Graduate Coordinator describing all college coursework, three (3) letters of recommendation, as well as a letter of intent describing their rationale for applying to the Program, career goals, and desire to work with a specific faculty member.

Applicants will also have an undergraduate GPA  $\geq 2.80$ , GRE verbal and quantitative score  $\geq 140$ , and analytical writing score  $> 3$ , as well as an undergraduate degree in Kinesiology/Exercise Science or related field with prior coursework in Anatomy and Physiology, Exercise Physiology, Motor Learning or Biomechanics, and Statistics.

Please send all materials to:

Todd A. Astorino Ph.D, Graduate Coordinator  
Department of Kinesiology, CSU—San Marcos  
333 S. Twin Oaks Valley Road  
San Marcos, CA 92096-0001

### **Application Deadlines:**

The Program only accepts fall admissions, with application deadline equal to March 1. However, applications may be accepted for review as long as vacancies exist in our Program.

### **Degree Requirements:**

Students are required to take 36 units of graduate-level coursework including completion of a Thesis to complete all requirements for the M.S. degree in Kinesiology. Coursework will include:

KINE 500: Biomechanics (4)

KINE 501: Motor Control (4)

KINE 502: Research Methods (3)

KINE 503: Advanced Statistics in Kinesiology (3); prerequisite = KINE 502

KINE 506: Seminar in Kinesiology (2) to be taken 3 times for total of 6 units

KINE 507: Physical Education Methods (3)

KINE 524: Public Health (3)

KINE 526: Advanced Exercise Physiology (4)

KINE 595: Practicum (3)

KINE 598: Thesis (3)

### **Continuation:**

Students will be required to maintain a minimum GPA equal to 3.0. If students fail to meet this minimum standard, they will be required to retake coursework in which a grade less than B – is earned. If students retake courses and are still unable to meet this GPA, they will be disqualified from the Program.

Students must be continuously enrolled unless they apply for a leave of absence. Students who are not continuously enrolled or who have a leave of absence longer than two semesters will be dropped from the program and must reapply.

All degree requirements are to be completed within five years after acceptance into the graduate program. Authorized leaves of absence do not extend the time limit for completion of the degree.

**Advancement to Candidacy:**

By the end of year 1 of the Program, students must select a primary advisor from the Kinesiology faculty whose interests align with the student. Students will choose two additional faculty members, at least one of whom must be Kinesiology faculty, to serve on his/her committee. To advance to candidacy, the student must:

1. form a Thesis committee and submit to each member of the Committee and Graduate Coordinator the Approval Form.
2. submit a Thesis proposal to committee members describing the topic, its initial aims and anticipated results, and demonstrate that the project can be successfully completed by the end of year 2 of the Program.
3. receive approval of the proposal form from all committee members.