CALIFORNIA STATE UNIVERSITY, BAKERSFIELD
ACADEMIC SENATE

Master of Science in Kinesiology

RES 192006

AAC, BPC

RESOLVED: that the Academic Senate recommends the approval of the Master of Science in Kinesiology degree program, offered by the Department of Kinesiology through Extended Education & Global Outreach as a self-support program.

RATIONALE: The Academic Affairs Committee and the Budget and Planning Committee have both reviewed the proposal. They have found the proposal to be fiscally responsible and have found that all curricular matters have been appropriately addressed.

Distribution List:
President
Interim Provost
Vice Provost
Dean SS&E
Dean EEGO
Chair of Kinesiology
General Faculty

Approved by the Academic Senate December 5, 2019
Sent to the President on December 13, 2019
Approved by the President December 17, 2019

NEW DEGREE PROPOSAL

Proposals to add a new degree must receive appropriate campus and Chancellor Office approval prior to implementation. All attachments are to be added to this cover sheet and remain with the proposal through the required steps of evaluation. Please consult with the Associate Vice President of Academic Programs for questions or assistance.

This proposal is to add a new degree in (title) M.S. in Kinesiology degree code: 31.0505
effective (term) Fall 2020 (degree codes may be found on the CO website www.calstate.edu/app/documents/HEGIS-CIP2000_102406.xls)

This new degree proposal is (check one):

☒ On the Academic Master Plan ☐ Fast track proposal ☐ Pilot degree program

Originating Department or Individual: Kinesiology - Kris Grappendorf

If a department formally approved the attached proposal, attach the appropriate memorandum and approval date.

Signature: K Grappendorf date: 4/18/19

Curriculum Committee(s): Interschool programs should attach comments or approval from relevant school or department curriculum committees before being submitted to the Academic Affairs Committee, acting as the University Curriculum Committee. A memorandum and approval date from the curriculum committee must be attached. If any revisions were required or agreed to, a revised copy of the proposal must be attached.

Chair Signature: Rhonda E Oz date: 4/29/19

School Dean(s): I have reviewed this proposal and send it forward for university-wide review with my comments attached. These comments include my analysis of the resource commitments that must be made to support the program and the origin(s) of those resources.

Dean Signature: Boone Holladay date: 4-30-19

AVP of Academic Programs: I ~~have~~ reviewed this proposal and send it forward to the Provost.

AVP Signature: [signature] date: 5/8/19

DB

Date of Senate Approval: 12/5/19 **Date of President Approval:** 12/17/19

Please attach the final Academic Senate Resolution, as signed by the President and return to the Office of Academic Programs, which will notify the Chancellor's Office and the appropriate campus departments. A copy of this form must be sent to the Director of Academic Operations and Support.

MEMORANDUM

Date: April 18, 2019

To: SSE Curriculum Committee

From Kris Grappendorf
Department Chair

RE: Review of Master of Science New Degree Proposal

Attached you will find the following documents needed for your review of the Master of Science in Kinesiology new degree proposal:

1. MSK Program Proposal
2. Course syllabi for KINE 6010, 6020, 6030, 6040, 6050, 6060, 6170, 6180, 6700 (4 sample special topics courses), 6800, and 6810
3. New Degree Proposal Routing Form
4. Request for Approval New Course/Course Change Form (2 documents)

The Department faculty approved the proposal 8-0 at our meeting on Friday, April 12th.

Please let me know if you have questions or need further information prior to the April 26th committee meeting.

CSU Bakersfield
School of Social Sciences and Education
Curriculum Committee

Mail Stop: 24 DDH
9001 Stockdale Highway
Bakersfield, California 93311-1022

MEMORANDUM

DATE: **April 29, 2019**

TO: **Kris Grappendorf, Department Chair, Kinesiology**

FROM: **Social Sciences & Education (SSE) Curriculum Committee**
Jiwong Hwang, Advanced Educational Studies
Alexander Reid, Child, Adolescent, and Family Studies
Zachary Hays, Criminal Justice
Josh Miller, Physical Education & Kinesiology
Gitika Commuri, Political Science
Amy Gancarz-Kauch, Psychology
Jaewon Lee, Social Work
Rhonda Dugan, Sociology
Corey Mathis, Teacher Education

Subject: Re: Request for Approval of Masters of Science New Degree Proposal

The Curriculum Committee of the School of Social Sciences and Education (SSE) unanimously approved your request for the Masters in Science in Kinesiology (MSK). As illustrated in your submission, the MSK degree has been carefully planned with much thought and careful consideration regarding program implementation and the range of course offerings. Moreover, the MSK program will provide educational and occupational opportunities for individuals who, in turn, will contribute to improved quality of life for our community members. We wish you the best as you move forward with approval of the MSK program.

NEW DEGREE PROPOSAL

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This proposal is to add a new degree in (title) M.S. in Kinesiology degree code: 31.0505
effective (term) Fall 2021 . (degree codes may be found on the CO website www.calstate.edu/app/documents/HEGIS-CIP2000_102406.xls)

This new degree proposal is (check one):

☒ On the Academic Master Plan ☐ Fast track proposal ☐ Pilot degree program

Originating Department or Individual: Kinesiology - Kris Grappendorf

If a department formally approved the attached proposal, attach the appropriate memorandum and approval date.

Signature: [signature] date: 4/18/19

Curriculum Committee(s): Interschool programs should attach comments or approval from relevant school or department curriculum committees before being submitted to the Academic Affairs Committee, acting as the University Curriculum Committee. A memorandum and approval date from the curriculum committee must be attached. If any revisions were required or agreed to, a revised copy of the proposal must be attached.

Chair Signature: Rhnda E Duysa date: 4/29/2019

School Dean(s): I have reviewed this proposal and send it forward for university-wide review with my comments attached. These comments include my analysis of the resource commitments that must be made to support the program and the origin(s) of those resources.

Dean Signature: _____ date: _____

AVP of Academic Programs: I have reviewed this proposal and send it forward to the Provost.

AVP Signature: _____ date: _____

Date of Senate Approval: _____ **Date of President Approval**: _____

Please attach the final Academic Senate Resolution, as signed by the President and return to the Office of Academic Programs, which will notify the Chancellor's Office and the appropriate campus departments. A copy of this form must be sent to the Director of Academic Operations and Support.

Request for Approval New Course/Course Change

Submitted by: Kris Grappendorf 654-2378
Department Contact and Phone extension

Effective Term Fall 2020
Quarter & Year

Approved by: Rhonda E Ng 4/29/19
Curriculum Committee Chair/Date

Approved by: [signature] 4/18/19
Department Chair/D:

Approved by:
GE/UWR Committee Chair/Date

GE/UWR Effective Term

Approved by:
School Dean/Date

Approved by:
Director of Academic Operations/Date

Crse ID# (1)	Crse Subj	Crse #	Total Units	Split Units	Class APDB Mapping Value/CS# (2)	Hegis (3)	Course Title (this field in PeopleSoft only allows for 30 spaces)	CLEV (4)	Grading Basis (5)	Test Codes, Student Groups and/or Pre-requisites	Corequisites	Requirement Designation and Attributes	GE/GRE attributes remove or continue(6)	Check if new or revised course description (7)	Action: title change, unit change, add a requisite, change grade basis, add new course etc. (8)
	KINE	6010	3		C02	08351	Research Methods in Kine	03	N	none	none			New	Add new course/see attached
	KINE	6020	3		C02	08351	Advanced Exercise Physiology	03	N	none	none			New	Add new course/see attached
	KINE	6030	3		C02	08351	Advanced Movement Science	03	N	none	none			New	Add new course/see attached
	KINE	6040	3		C02	08351	Advanced Behavior Change	03	N	none	none			New	Add new course/see attached
	KINE	6050	3		C02	08351	Adv Program Design in Kine	03	N	none	none			New	Add new course/see attached
	KINE	6060	3		C02	08351	Evidence-Based Prac. in Kine	03	N	none	none			New	Add new course/see attached

(1) Every course in PeopleSoft has a unique course ID: for all new courses a course ID number will be generated.

(2) Provide Class APDB Mapping Value or CS#. Refer to PeopleSoft Components spreadsheet.

(3) Hegis (previously known as CIP code) can be found in Course Catalog. Look at an existing course in your dept for Hegis (CIP code). Check offerings tab at Hegis link.

(4) Course Level = CLEV: 01=Lower; 02=Upper, 03=Graduate

(5) Grading Basis: **N**=Graded; **B**=credit/no credit; **P**=remedial; **S**=Graded w/RP; **T**=CR/NC w/RP (S & T grade basis must be approved by Director of Academic Operations and Support).

(6) Changes to Gen Ed (Area/Theme) and GRE approved courses require signature by appropriate Committee Chair.

(7) Attach and send an electronic copy to Academic Scheduling of all new or revised course descriptions.

(8) What action needs to be taken with the course.

Request for Approval New Course/Course Change

Submitted by: Kris Grappendorf 654-2378
Department Contact and Phone extension

Effective Term Fall 2020
Quarter & Year

Approved by: Rhonda E Roy 4/29/19
Curriculum Committee Chair/Date

Approved by: K Grappendorf 4/18/19
Department Chair/D:

Approved by:
GE/UWR Committee Chair/Date

GE/UWR Effective Term

Approved by:
School Dean/Date

Approved by:
Director of Academic Operations/Date

Crse ID# (1)	Crse Subj	Crse #	Total Units	Split Units	Class APDB Mapping Value/CS# (2)	Hegis (3)	Course Title (this field in PeopleSoft only allows for 30 spaces)	CLEV (4)	Grading Basis (5)	Test Codes, Student Groups and/or Pre-requisites	Corequisites	Requirement Designation and Attributes	GE/GRE attributes remove or continue(6)	Check if new or revised course description (7)	Action: title change, unit change, add a requisite, change grade basis, add new course etc. (8)
	KINE	6170	3		C02	08351	Kine Practicum/Field Exp.	03	N	none	none			New	Add new course/see attached
	KINE	6180	3		C02	08351	Kinesiology Research	03	N	none	none			New	Add new course/see attached
	KINE	6700	3		C02	08351	Current Topics in Kinesiology	03	N	none	none			New	Add new course/see attached
	KINE	6800	3		S25	08351	Culminating Experience	03	N	none	none			New	Add new course/see attached
	KINE	6810	3		S25	08351	Thesis	03	N	none	none			New	Add new course/see attached

(1) Every course in PeopleSoft has a unique course ID: for all new courses a course ID number will be generated.

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Request for Approval New Course/Course Change

Submitted by: Kris Grappendorf 654-2378
Department Contact and Phone extension

Effective Term: Fall 2020
Quarter & Year

Approved by: Rhonda E Wo 10/21/19
Curriculum Committee Chair/Date

Approved by: K Grappendorf
Department Chair/Date

Approved by:
GE/UWR Committee Chair/Date

GE/UWR Effective Term

Approved by: Robert Holladay 10-22-19
School Dean/Date

Approved by:
Director of Academic Operations/Date

Crse ID# (1)	Crse Subj	Crse #	Total Units	Split Units	Class APDB Mapping Value/CS# (2)	Hegis (3)	Course Title (this field in PeopleSoft only allows for 30 spaces)	CLEV (4)	Grading Basis (5)	Test Codes, Student Groups and/or Pre-requisites	Corequisites	Requirement Designation and Attributes	GE/GRE attributes remove or continue(6)	Check if new or revised course description (7)	Action: title change, unit change, add a requisite, change grade basis, add new course etc. (8)
	KINE	7000	0		S25		Continuous Enrollment	03	T	Approval of the Program Coordinator	none	none	none	x	Add new course

(1) Every course in PeopleSoft has a unique course ID: for all new courses a course ID number will be generated.

(2) Provide Class APDB Mapping Value or CS#. Refer to PeopleSoft Components spreadsheet.

(3) Hegis (previously known as CIP code) can be found in Course Catalog. Look at an existing course in your dept for Hegis (CIP code). Check offerings tab at Hegis link.

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(6) Changes to Gen Ed (Area/Theme) and GRE approved courses require signature by appropriate Committee Chair.

(7) Attach and send an electronic copy to Academic Scheduling of all new or revised course descriptions.

(8) What action needs to be taken with the course.

KINE 7000 Continuous Enrollment (0)

Graduate students who have completed the majority of their coursework but have not completed their culminating experience (thesis or culminating project) may enroll in this special low-cost, 7000-level, 0-unit course for the purpose of maintaining continuous enrollment at CSUB. Prerequisite: approval of the Program Coordinator

Feedback from AAC about proposed M.S. in Kinesiology

Suggestions

- Update faculty list in proposal for 2019/20 faculty
- An advising roadmap (e.g. what students are expected to take in each term) should be provided on page 9, rather than a statement about advising.
- Catalog copy suggestions:
    - In admissions criteria section, CSUB course numbers should be given for prerequisite coursework so prospective students can look up CSUB's course descriptions and see if it matches their prior coursework (particularly important for students whose bachelor's degrees are from another institution)
    - Nothing is said about the admissions committee, while most other CSUB masters' programs have a description of the committee membership
    - No prerequisites currently for any courses. Suggest at a minimum having something about needing graduate student status so undergraduate students don't accidentally sign up for the courses on myCSUB.

Corrections Needed

- Proposal routing form has wrong initial term (Fall 2021 instead of Fall 2020)
- KINE 7000 missing from New Course Approval form
- Catalog copy is missing several sections:
    - There should be a description of "Conditionally Classified", "Classified", and "Candidate" status, as well as any time limits that apply to students progressing through each status [Chancellor's Office template says to describe the academic criteria that must be met for students to stay in the program]
    - Capstone options should be clearly defined as one or more of "Thesis", "Project", and/or "Comprehensive Exam" and should describe those options. [CO Template: "Be sure to indicate which type of culminating experience will be required. If a thesis or project, sufficient narrative should address the research skills required to meet the culminating experience requirements."]
    - CO checklist says to include the course title in the catalog copy. Even though CSUB does not print course titles in catalog copy, since this has to go to the CO for review, course titles should be included now for ease of review at the CO. CSUB can remove the course titles later when preparing the final catalog copy.
    - First page of catalog copy (page 25 of proposal) uses EUD instead of EEGO in program description
    - Second page of catalog copy (page 26 of proposal) missing clause "(3 units)" at bottom after "2. Clinical Practicum (3 units) OR Research" in the requirements section

Questions

1. How much of the cohort will be local vs. distance learners?
2. Why is KINE 6700 used instead of creating course numbers for each of the representative elective topics listed on page 5?

3. Related to previous question, proposal also states the prerequisites for KINE 6700 will vary by topic. How will this be verified/enforced?
4. How is the program substantially different than other CSUs, other than the concentrations at some other CSUs? (page 10)
5. Community (page 12) and students (page 19) preferred hybrid as the primary mode. Why did the program instead opt for purely online?
6. Are there workload/burn-out concerns from purely teaching the program for overload pay?
7. Nothing in the budget for field placement. How will Experience/Project track students be placed? Are they expected to find their own placements?

Questions from the Budget & Planning Committee (9/19/2019)

1. Question about Rationale:
    i. The needs surveys call for specialties, but the program is a general program.
    ii. Additionally, the data from former and current students and industry indicate an interest in face-to-face or maybe hybrid formatted programs, but this proposal is for an online program. The proposal does not match the market data.
    iii. Further, twelve competitive CSUs and one UC offer what the market data is requesting. None of the CSU programs are completely online. What justifies this program bucking market trends?
2. Specific Budget Questions:
    i. There are benefits reported in the budget (although very low), but EEGO doesn't charge benefits. What does this refer to?
    ii. What does overhead include? Why does it jump from 30% to 40%?
    iii. Why is promotion outside of overhead?
3. Faculty: the department faculty are already committed, yet this program requires the equivalent of 2 to 3 lines. How will this need be met without burning out faculty or disrupting research programs?
4. Delivery mode: Movement and rehabilitation, are these things that can be taught effectively online?

Department of Kinesiology

Response to Feedback from AAC about proposed M.S. in Kinesiology

Please refer to specific responses to suggestions, corrections and questions following each item.

Suggestions

- *Update faculty list in proposal for 2019/20 faculty*
    - Will be updated
- *An advising roadmap (e.g. what students are expected to take in each term) should be provided on page 9, rather than a statement about advising.*
    - Language on p. 9 will be revised to include information related to the Program Coordinator creating a program plan of study that meets the students need. Department will consider including a plan that shows a full-time student path for completion.
- *Catalog copy suggestions:*
    - *In admissions criteria section, CSUB course numbers should be given for prerequisite coursework so prospective students can look up CSUB's course descriptions and see if it matches their prior coursework (particularly important for students whose bachelor's degrees are from another institution)*
        - Course numbers for CSUB equivalents will be included
    - *Nothing is said about the admissions committee, while most other CSUB masters' programs have a description of the committee membership*
        - A statement will be included indicated a 3-member committee consisting of the Program Director and 2 program faculty that will review applications for admissions.
    - *No prerequisites currently for any courses. Suggest at a minimum having something about needing graduate student status so undergraduate students don't accidentally sign up for the courses on myCSUB.*
        - Prerequisites are included for KINE 6160, KINE 6180, KINE 6800 and KINE 6810
        - For all other courses the following prerequisite will be added: graduate standing or permission of the instructor

Corrections Needed

- *Proposal routing form has wrong initial term (Fall 2021 instead of Fall 2020)*
    - Will be updated

- *KINE 7000 missing from New Course Approval form*
    - Will be created

- *Catalog copy is missing several sections:*
    - *There should be a description of "Conditionally Classified", "Classified", and "Candidate" status, as well as any time limits that apply to students progressing through each status*

[Chancellor's Office template says to describe the academic criteria that must be met for students to stay in the program]

- Will be added

- *Capstone options should be clearly defined as one or more of "Thesis", "Project", and/or "Comprehensive Exam" and should describe those options. [CO Template: "Be sure to indicate which type of culminating experience will be required. If a thesis or project, sufficient narrative should address the research skills required to meet the culminating experience requirements."]*
  - Will be updated

- *CO checklist says to include the course title in the catalog copy. Even though CSUB does not print course titles in catalog copy, since this has to go to the CO for review, course titles should be included now for ease of review at the CO. CSUB can remove the course titles later when preparing the final catalog copy.*
  - Course titles will be added

- *First page of catalog copy (page 25 of proposal) uses EUD instead of EEGO in program description*
  - Will be corrected

- *Second page of catalog copy (page 26 of proposal) missing clause "(3 units)" at bottom after "2. Clinical Practicum (3 units) OR Research" in the requirements section*
  - Will be corrected

Questions

1. *How much of the cohort will be local vs. distance learners?*

   This program does not follow a cohort model and will allow students to enter during any term. Initially, because of indicated interest by our alumni, the cohort will contain a higher percentage of local students. We believe this will shift as the attractiveness of an online program will reach national markets.

2. *Why is KINE 6700 used instead of creating course numbers for each of the representative elective topics listed on page 5?*

   The Department selected use of the KINE 6700 to allow for flexibility and creativity in course development to meet the needs of the students and strengths of the faculty. This is important because, while we want the curriculum core to be the same, we want the opportunity to offer special topics as they become relevant in the profession. KINE 6700 will assist in scheduling to to distribute the special topics courses among the faculty to minimize academic year workload. Finally, we can seek input on interests of the students to develop courses more relevant to their career goals.

3. *Related to previous question, proposal also states the prerequisites for KINE 6700 will vary by topic. How will this be verified/enforced?*

   To control for this, the special topic courses will require instructor permission to enroll when needed. That way, the students will be aware of course content and they can be advised on their preparation status for the content.

4. *How is the program substantially different than other CSUs, other than the concentrations at some other CSUs? (page 10)*

   This program is online and that in it self makes it substantially different. Our program is designed to meet the needs of our region and students. Many of our students stay in the region due to work and/or family commitments. The flexibility of online options is essential to meet the needs and challenges faced by our current and future students. Further, the online format allows for us to support the University effort to support the attainment of graduate degrees among Hispanic students (highest percentage of our undergraduate population).

5. *Community (page 12) and students (page 19) preferred hybrid as the primary mode. Why did the program instead opt for purely online?*

   The community members preferred the hybrid format and the students preferred face-to-face. Our ability to offer this program depends largely on an online format due to issues like space and faculty availability. The program does have hybrid options for KINE 6170 Practicum, KINE 6180 Research, KINE 6800 Culminating Experience, and KINE 6810 Thesis if students want to complete these projects on campus.

6. *Are there workload/burn-out concerns from purely teaching the program for overload pay?*

   The program has been designed so that courses are scheduled so that faculty are teaching only 1 course, and potentially supervising student research or practicums, during the academic year. The faculty are committed and excited to teach in this program. They view the program as an opportunity to enhance their research programs and engage in additional, meaningful mentorship.

7. *Nothing in the budget for field placement. How will Experience/Project track students be placed? Are they expected to find their own placements?*

   The KINE 6170 course and placement will be coordinated with a faculty member and will be compensated with course WTU. This model is successfully used in the undergraduate capstone courses which place about 125 students in the community/campus each year. There is a directory of sites maintained by the department and the placement is coordinated and approved by the faculty member in charge of the course. This also applies to out of area placements where there is ongoing coordination and collaboration between the agency supervisor and the supervising faculty member.

Questions from the Budget & Planning Committee (9/19/2019)

1. *Question about Rationale*:
   i. *The needs surveys call for specialties, but the program is a general program.*

      The majority of kinesiology programs are general programs. Specialties are obtained through advanced certificates or additional training. That is why you see no category of Kinesiology in the job data but still, many students in Kinesiology work in a variety of health, fitness, and allied health industries. KINE 6700 allows the Department to customize the offerings to meet the student demand and interest areas.

   ii. *Additionally, the data from former and current students and industry indicate an interest in face-to-face or maybe hybrid formatted programs, but this proposal is for an online program. The proposal does not match the market data.*

      The market data on our local employers favored a hybrid program. The students preferred a face-to-face program. We wanted to reach students who were place bound, out of the area, and currently employed. We felt the most successful way to reach that population was with an online program. We did provide the option of coming to campus for research, thesis, practicum, and culminating experience portions of the degree.

   iii. *Further, twelve competitive CSUs and one UC offer what the market data is requesting. None of the CSU programs are completely online. What justifies this program bucking market trends?*

      Many of the Kinesiology graduate programs in the CSU and the UC are small. We felt the online component of this degree would be attractive to a wider pool of students by reducing barriers. The market trends for online programs at the national level continues to grow and this program can lead the way in the CSU.

2. *Specific Budget Questions:*
   i. *There are benefits reported in the budget (although very low), but EEGO doesn't charge benefits. What does this refer to?*
      i. This is the required percentage EEGO must pay toward Medicare.
   ii. *What does overhead include? Why does it jump from 30% to 40%?*
      i. Our Overhead charge is 40%; however, we do not generally have enough revenue in a program's early stages to charge the full 40%. Because of this, we charge 30% during the first year or two, depending on student enrollment.
   iii. *Why is promotion outside of overhead?*
      i. Overhead includes the Marketing Director salary, website maintenance, Inside Track charges, etc. Any promotion directly related to a specific program is charged to that program: ex: digital marketing, tabling events, print materials, etc.

3. Faculty: the department faculty are already committed, yet this program requires the equivalent of 2 to 3 lines. How will this need be met without burning out faculty or disrupting research programs?
    i. As mentioned previously, the program has been designed so that courses are scheduled so that faculty are teaching only 1 course, and potentially supervising student research or practicums, during the academic year. The faculty are committed and excited to teach in this program. They view the program as an opportunity to enhance their research programs rather then disrupt. Implementation of the program provides the opportunity for the Department to receive funds that could support graduate assistants. The Department is currently search for 2 tenure-track faculty (one replacement and one new). The Department has included online teaching in those job descriptions and views this program as positive recruiting tool.

4. Delivery mode: Movement and rehabilitation, are these things that can be taught effectively online?

    In the process of program development, a representative sample of online programs was investigated. The Department reviewed 14 online programs nation-wide so there is precedent that is can be done. Although programs varied they did include some courses similar to our proposed courses. The technology resources available to faculty allow for highly interactive, video-based modules that will allow for demonstration of movement and rehabilitation techniques if necessary.

2015-09, California State University, Bakersfield: MS in Kinesiology (MSK)

1. Program Type

Type: **Self-Support**

Delivery Format: **Fully online**

Pilot or New Program: **New Program**

2. Program Identification

a. Campus: **California State University, Bakersfield**
b. Degree designation and title: **Master of Science in Kinesiology**
c. Date the Board of Trustees approved adding this program projection to the campus Academic Master Plan: **March 19-20, 2019**
    i. **Approved by the Academic Senate November 30, 2017**
    ii. **Sent to the President December 7, 2017**
    iii. **Signed by the President December 18, 2017**
d. Term and academic year of intended implementation: **Fall 2020**
e. Total number of units required for graduation: **30 units**
f. Name of department, division, or other unit of the campus that would offer the proposed degree major program: **Department of Kinesiology**
g. Name, title, and rank of individuals primarily responsible for drafting the proposed degree major program.
   Kris Grappendorf, Department Chair, Lecturer
   Kathleen Knutzen, PhD, Professor
   Jeff Moffit, EdD, Associate Professor
   Brittany Sanchez, PhD, Assistant Professor
   Brian Street, PhD, Assistant Professor
   Eugene Wang, PhD, Professor
   Zachary Zenko, PhD, PAPHS, Assistant Professor
h. 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.
   See Appendix A. Letter of Support – Steve Bacon, Dean Social Sciences and Education
i. Other campus approval documents that may apply.
   New Degree Proposal Routing Sheet (attached)
j. Please specify where this proposed program is subject to WASC Substantive Change review. **Because of the online nature of the program, the anticipated date for submission to WASC for Substantive Change Review is November 2019.**

k. Proposed Classification of Instructional Programs and CSU Degree Program Code:

CIP Code = 31.0505
CSU Code = 08351

3. Program Overview and Rationale

a. 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. The rationale may explain the relationship among the program philosophy, design, target population, and any distinctive pedagogical methods. **(CPEC "Appropriateness to Institutional and Segmental Mission")**

Residing within the 23-campus CSU system, California State University, Bakersfield is a growing comprehensive regional university, with nearly 75% of the faculty holding terminal degrees in their respective fields. The University opened in 1970 and is currently serving the central valley with over 50 quality undergraduate and graduate degree and credential programs. The university serves more than 10,000 students and counts over 50,000 alumni from its four schools: Arts & Humanities, Business & Public Administration, Natural Sciences, Mathematics & Engineering, and Social Sciences & Education. The University offers undergraduate, graduate, post-graduate and credential programs, and a doctoral program in Educational Leadership (Ed.D.). CSUB's Extended University serves the community by offering additional professional development, certificate, and degree programs. With over 70% of alumni remaining and working within the central valley, CSU Bakersfield supports ongoing social, cultural, and economic development in the region.

The University Mission statement includes "an emphasis on student learning is enhanced by a commitment to scholarship, diversity, service, global awareness and life-long learning. The University collaborates with partners in the community to increase the region's overall educational attainment, enhance its quality of life, and support its economic development." The MSK program promotes this mission by advancing California's economic and workforce development needs by preparing highly-qualified kinesiology experts and increasing access to educational opportunities by serving broader constituencies through an innovative online delivery. Additionally, the program will create a positive long-term societal impact on health and wellness, thereby furthering the mission of enhancing the quality of life in the region. The students within this program will be adult learners who live miles from campus and who require the flexibility of the online format to complete a master's program. The unique structure of an online program allows students from various regions to contribute to the University's commitment to diversity and life-long learning.

One of the core values of CSU Bakersfield is "developing the intellectual and personal potential of every student." Offering an online Master of Science degree in Kinesiology directly relates to the intellectual and personal development for the students by providing

a way in which students can obtain a graduate degree, regardless of their proximity to the Bakersfield home campus.

The Mission of California State University, Bakersfield can be found at http://www.csub.edu/about_csub/mission/index.html

b. 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).

See Appendix B. Catalog Description

4. Curriculum

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.

Department Graduate Program Goals and Student Learning Outcomes

1. Scientific Foundations of Kinesiology
    a. Demonstrate broad and advanced knowledge of biological, psychological, and physical processes.
2. Integration of Knowledge in Kinesiology
    a. Integrate and apply specialized knowledge in various areas of kinesiology.
3. Practice and Application of Kinesiology
    a. Organize and implement wellness programs for the development of healthy behaviors and improved quality of life.
4. Analysis and Critical Thinking in Kinesiology
    a. Understand and utilize qualitative and quantitative processes and methods for evaluation of human performance and health assessment.
5. Current Trends in Programming and Planning in Kinesiology
    a. Synthesize and critically appraise existing research for the evaluation and development of effective programming.

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"**

See Appendix C. Program Assessment Plan: MS in Kinesiology
See Appendix D. MS in Kinesiology Assessment Map (SLO's and Courses)

c. Total number of units required for graduation.
30 Semester units

d. Include a justification for any baccalaureate program that requires more than 120 semester or 180 quarter units.
N/A

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 , you can search CIP 2000 at http://nces.ed.gov/pubs2002/cip2000/ to help identify the code that best matches the proposed curriculum.

N/A

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). Include proposed catalog descriptions of all new courses.

Table 1. Required Courses

Course #	Course	Units
KINE 6010	Research Methods in Kinesiology	**3**
KINE 6020	Advanced Exercise Physiology	**3**
KINE 6030	Advanced Movement Science	**3**
KINE 6040	Advanced Behavior Change	**3**
KINE 6050	Advanced Program Design in Kinesiology	**3**
KINE 6060	Evidence-Based Practice in Kinesiology	**3**
KINE 6170	Kinesiology Practicum/Field Experience OR	**(3)**
KINE 6180	Kinesiology Research	**(3)**
KINE 6700	Current Topics in Kinesiology	**6**
KINE 6800	Culminating Experience OR	**(3)**
KINE 6810	Thesis	**(3)**
	TOTAL	**30**

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.

Table 2. Sample elective courses

Course #	Current Topics Course Examples	Units
KINE 6700	Advanced Physical Activity and Health	**3**
KINE 6700	Health Promotion and Disease Prevention	**3**
KINE 6700	Nutrition and Physical Activity	**3**
KINE 6700	Physical Activity and Aging	**3**
KINE 6700	Physical Activity and Hypokinetic Diseases	**3**
KINE 6700	Exercise for Mental Health and Mental Illness	**3**
KINE 6700	Youth Physical Activity and Sedentary Behavior	**3**
KINE 6700	Exercise Biochemistry	**3**
KINE 6700	Genetics for Exercise Science and Health	**3**
KINE 6700	Physical Activity and Obesity	**3**
KINE 6700	Curriculum Theory and Design in Physical Education	**3**
KINE 6700	Contemporary Issues in Physical Education	**3**

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.

Table 3. List of new courses

Course #	Course	Units
KINE 6010	Research Methods in Kinesiology	**3**
KINE 6020	Advanced Exercise Physiology	**3**
KINE 6030	Advanced Movement Science	**3**
KINE 6040	Advanced Behavior Change	**3**
KINE 6050	Advanced Program Design in Kinesiology	**3**
KINE 6060	Evidence-Based Practice in Kinesiology	**3**
KINE 6170	Kinesiology Practicum/Field Experience	**3**
KINE 6180	Kinesiology Research	**3**
KINE 6700	Current Topics in Kinesiology	**6**
KINE 6800	Culminating Experience OR	**(3)**
KINE 6810	Thesis	**(3)**

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

Table 4. Proposed 3-Year Teaching Schedule

	Fall 2020 – 9 units	**Spring 2021– 9 units**	**Summer 2021 3-9 units**
YEAR 1	KINE 6010 Research Methods in Kinesiology (3) KINE 6040 Advanced Behavior Change (3) KINE 6700 Current Topics (3)	KINE 6020 Advanced Exercise Physiology (3) KINE 6700 Current Topics (3) KINE 6050 Advanced Program Design in Kinesiology (3)	KINE 6030 Advanced Movement Science (3) KINE 6700 Current Topics in Kinesiology (3) KINE 6060 Evidence-Based Practice in Kinesiology (3)
			KINE 6170 Kinesiology Practicum/Field Exp.; KINE 6180 Kinesiology Research; KINE 6800 Culminating Experience; KINE 6810 Thesis, offered each semester after the 1st year
YEAR 2	**Fall 2021 – 9 units**	**Spring 2022 – 9 units**	**Summer 2022 3-9 units**
	KINE 6010 Research Methods in Kinesiology (3) KINE 6040 Advanced Behavior Change (3) KINE 6700 Current Topics (3)	KINE 6020 Advanced Exercise Physiology (3) KINE 6700 Current Topics (3) KINE 6050 Advanced Program Design in Kinesiology (3)	KINE 6030 Advanced Movement Science (3) KINE 6700 Current Topics in Kinesiology (3) KINE 6060 Evidence-Based Practice in Kinesiology (3)
	KINE 6170 Kinesiology Practicum/Field Exp.; KINE 6180 Kinesiology Research; KINE 6800 Culminating Experience; KINE 6810 Thesis, offered each semester	KINE 6170 Kinesiology Practicum/Field Exp.; KINE 6180 Kinesiology Research; KINE 6800 Culminating Experience; KINE 6810 Thesis, offered each semester	KINE 6170 Kinesiology Practicum/Field Exp.; KINE 6180 Kinesiology Research; KINE 6800 Culminating Experience; KINE 6810 Thesis, offered each semester
YEAR 3	**Fall 2022 – 9 units**	**Spring 2023– 9 units**	**Summer 2023 3-9 units**

	KINE 6010 Research Methods in Kinesiology (3) KINE 6040 Advanced Behavior Change (3) KINE 6700 Current Topics (3)	KINE 6020 Advanced Exercise Physiology (3) KINE 6700 Current Topics (3) KINE 6050 Advanced Program Design in Kinesiology (3)	KINE 6030 Advanced Movement Science (3) KINE 6700 Current Topics in Kinesiology (3) KINE 6060 Evidence-Based Practice in Kinesiology (3)
	KINE 6170 Kinesiology Practicum/Field Exp.; KINE 6180 Kinesiology Research; KINE 6800 Culminating Experience; KINE 6810 Thesis, offered each semester	KINE 6170 Kinesiology Practicum/Field Exp.; KINE 6180 Kinesiology Research; KINE 6800 Culminating Experience; KINE 6810 Thesis, offered each semester	KINE 6170 Kinesiology Practicum/Field Exp.; KINE 6180 Kinesiology Research; KINE 6800 Culminating Experience; KINE 6810 Thesis, offered each semester

Table 5. Likely Faculty Teaching Assignments

Course #	Course	Faculty Teaching Interest
KINE 6010	Research Methods in Kinesiology	Sanchez, Street, Wang, or Zenko
KINE 6020	Advanced Exercise Physiology	Moffit, or Sanchez
KINE 6030	Advanced Movement Science	Moffit or Street
KINE 6040	Advanced Behavior Change	Zenko
KINE 6050	Advanced Program Design in Kinesiology	Moffit
KINE 6060	Evidence-Based Practice in Kinesiology	Sanchez or Zenko
KINE 6170	Kinesiology Practicum/Field Experience OR	Moffit, Wang, or Zenko
KINE 6180	Kinesiology Research	Moffit, Sanchez, Wang, or Zenko
KINE 6700	Current Topics in Kinesiology	Moffit, Sanchez, Wang, or Zenko
KINE 6800	Culminating Experience OR	Moffit, or Zenko
KINE 6810	Thesis	Moffit, Sanchez, Street, Wang, or Zenko

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.

- Students will complete a specified program of study outlined in sections *f, g, h,* and *i*.
- All students must complete the program requirements for the MSK within a seven-year time period.

- All of the units will be completed at CSUB in residence. It would be a rare case if an appropriated campus authority would authorize the substitution of credit earned by an alternate means.
- All of the units required for the degree are in courses designed specifically for graduate students.
- The required thesis or culminating project is 3 semester units
- Students are required to complete a thesis or culminating project.
- A grade point average of 3.0 (grade of B) or better in all courses taken to satisfy the requirements for the degree, except that a course in which no letter grade is assigned shall not be used in computing the grade point average.

k. For master's degree proposals, cite the corresponding bachelor's program and specify whether it is (a) subject to accreditation and (b) currently accredited.

The BS in Kinesiology is the corresponding bachelor's program and it is not subject to accreditation except under the general university WASC accreditation. A student may enter the program without a BS in Kinesiology if they have equivalent course work in the Kinesiology area.

l. Admission criteria, including prerequisite coursework. (CFRs 1.1, 1.6, 2.1, 2.2, 2.10, 2.12, 2.14)

Admission Requirements:

- Kinesiology major/minor or equivalent courses from Kinesiology are required prerequisites for the graduate program.
    - An applicant who does not have a major or minor in Kinesiology must take three undergraduate courses from the areas of biomechanics, exercise physiology, motor control/learning, applied kinesiology, or functional anatomy and one course from the areas of sport psychology or exercise psychology.
- Completion of prerequisite coursework
    - Applicants must have completed a college/university level course with a grade of C or better in the following 3 content areas:
        - Human Anatomy (BIOL 2210: Human Anatomy)
        - Human Physiology (BIOL 2220: Human Physiology)
        - Introductory Statistics (MATH 2220, PSYC 2018 or SOC 2208)
- Bachelor's Degree from an accredited four-year college or university
- Cumulative GPA of 3.0 in the last 90 units of all coursework
- Three Reference Forms
- Personal Statement
- Completed CSUB Extended University Application
- One official transcript from each college attended

m. Criteria for student continuation in the program.

Each course is 3 units, with a 3-unit Culminating Experience or Thesis. Students will be required to follow the attendance/participation and late assignment policy as designated by the Department (refer to syllabi section "Course requirements/Student Responsibilities"). Each class other than the Culminating Experience or Thesis is offered on an 18-month cycle. The Culminating Experience and Thesis course will be offered every fall, spring and summer semester. Students who are unable to take all courses in a given semester will be able to complete the missed course the following year. Students who wish to take no classes during a semester can do so with no difficulty; however, students are not allowed to miss more than one semester of courses without losing catalog rights. Students can request a Planned Educational Leave of Absence for up to two years with approval from the MSK Program Coordinator. Should the student receive approval, a reentry plan will be developed.

Students will not be allowed to accelerate the program to less than 18 months.

To maintain satisfactory Academic Standing, students must maintain a 3.0 grade point average in all coursework, with no course lower than a "B" (3.0) on the outline. Should a student receive a grade lower than a "B," he will be required to retake the course the next time it is offered.

n. For undergraduate programs, planned provisions for articulation of the proposed major with community college programs.
N/A

o. 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. Information on LDTP is available at: http://www.calstate.edu/AcadAff/ldtp.shtml
N/A

p. Advising "roadmaps" that have been developed for the major.

Upon entry each student will meet with the Graduate Program Coordinator to develop a program plan of study that meets the students need. In addition, each student will be assigned a faculty advisor at entry to the program. The faculty advisor can be changed later once the student identifies an area of interest for the culminating project or thesis.

Sample roadmap (18 month/4 semesters):

Semester 1	**Semester 2**	**Semester 3**	**Semester 4**
KINE 6010 (3)	KINE 6020 (3)	KINE 6030 (3)	KINE 6800 (3) **or** KINE 6810 (3)
KINE 6040 (3)	KINE 6700 - 2 (3)	KINE 6060 (3)	
KINE 6700 - 1 (3)	KINE 6050 (3)	KINE 6170 (3) **or** KINE 6180 (3)	

q. Provision for meeting accreditation requirements, if applicable, and anticipated date of accreditation request (including the WASC Substantive Change process).

Anticipated date for WASC Substantive Change review is November 2019.

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.

N/A

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.

The California State Universities currently offering a Master of Science or Master of Arts in Kinesiology include San José, Fresno, Chico, San Diego, Humboldt, Long Beach, Pomona, Northridge, San Marcos, Sacramento, Sonoma, and San Francisco. San Bernardino and Monterey Bay have intentions to develop programs in the future. California Baptist University, in Riverside, CA also offers a Master of Science in Kinesiology.

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

The existing programs are heterogeneous. Several programs indicate concentrations within the master's degree program, including exercise science, sport psychology, sport administration, athletic training, adapted physical education, exercise

physiology, movement physiology, physical activity: social science perspectives, and curriculum and instruction. In contrast, the proposed program will include a general Master of Science in Kinesiology.

c. List of other curricula currently offered by the campus that are closely related to the proposed program.

CSU, Bakersfield offers a Bachelor of Science degree in Kinesiology. There are no graduate programs that are closely related to the proposed Master of Science in Kinesiology.

d. Community participation, if any, in the planning process. This may include prospective employers of graduates.

As part of the development of the proposed MS program in Kinesiology a community survey was developed and then administered to community stakeholders that were seen as future employers of our graduates from the proposed MS program or had knowledge of the academic needs for Kinesiology-based employment. There were 19 community member respondents to the survey, 16 (84.2%) agreed to complete the survey, 3 (15.8%) declined, with 12 (63.2%) completing all survey questions. Of the respondents, there was good diversity across kinesiology and allied health fields, as reported employment in Wellness, coaching, or physical education made up 41.7%, Sports Performance 16.7% and physical/occupational therapy, athletic trainer, physician assistant 41.7% of respondents. Also, 25% of respondents are currently attending or a graduate from CSUB and 41.7% reported they had an affiliation with the CSUB campus; which could include being part of a campus organization or committee.

Half of the respondents reported hiring responsibilities and that they have hired/employed a current CSUB student or graduate. Importantly, for our proposed MS program, 80% hold internship positions, with 33.3% having hired a CSUB student or graduate as an intern and 25% currently employ a CSUB graduate that was previously an intern.

When asked what level of training/education required in the respondent's field the majority reported higher education and specialization training; 8.3% reported specific post-secondary certification, 33.3% a bachelor's degree, 33.3% a master's degree and 25% were not certain. The majority of respondents reported support for the proposed MS program and that the program would help their business and the local economy. Of respondents, 83.3% reported that the increase in specialization training or skills in Kinesiology from a MS program would help them and their business; no respondents reported the program would not help their business and 16.7% of respondents were not certain or reported this didn't apply. Further, 41.7% of respondents reported a MS program would help them and their business hire more local employees; no respondents reported it wouldn't help, 58.3% were not certain.

When the respondents were asked questions regarding the content and structure of the proposed MS program there were reported directions. Respondents were asked to report which training and/or coursework they felt would be useful (Figure 1), the areas which were reported to be the most important included Exercise Physiology (83.3%), Movement/Rehabilitation Sciences (58.3%), Strength and Conditioning (75%) and Exercise and Sport Psychology (75%). Although a few important areas of study arose from respondents, there was reported interest across the kinesiology spectrum.

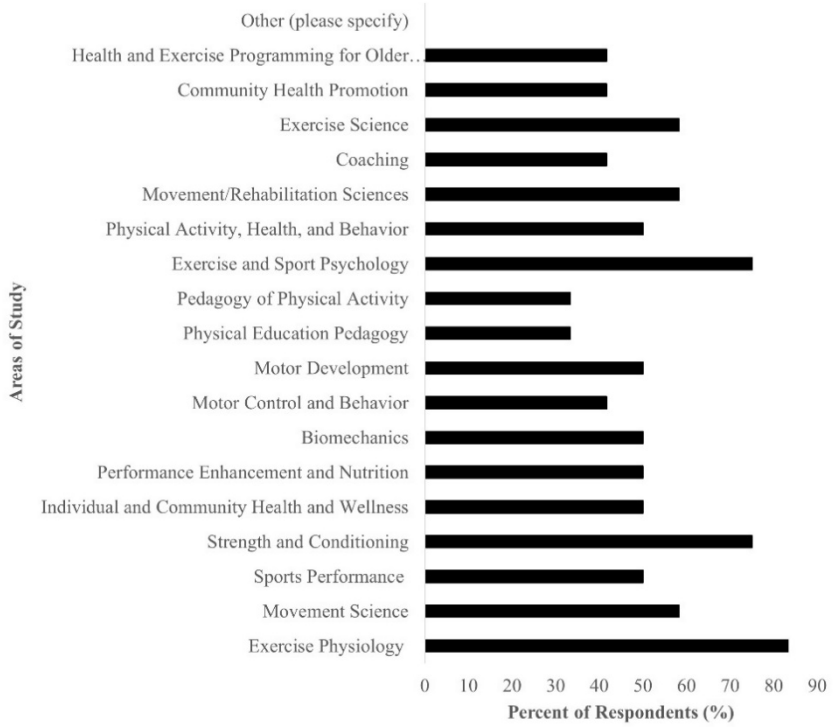

Figure 1. Respondent's reported training and/or coursework which would be useful for future employers from a MS in Kinesiology program.

The respondents were also asked which mode of student learning would be appropriate for the proposed MS program. Fully face-to-face (in class) received 16.7%, fully online received 16.7%, Hybrid format 50/50 (face-to-face/online) received 66.7%, and no respondents reported classes mostly or all evenings or weekends as a preference (Figure 2). Lastly, when respondents were asked what type of culminating experience(s) they felt would be most appropriate; no respondents reported the Comprehensive exam, 8.3% reported a Thesis and 91.6% reported the Community project as appropriate.

Figure 2. Respondent's reported mode of learning from a MS in Kinesiology program.

e. Applicable workforce demand projections and other relevant data.

The MSK addresses the priorities outlined in the CSU Commission on the Extended University *Access to Excellence* specifically by developing a self-support model, which incorporates distance-learning technologies. The proposed MSK degree will be a fully online 30-semester unit graduate program with integrated industry created video modules and culminating community-based project or thesis. The MSK degree will advance California's economic and workforce development needs by preparing highly-qualified experts in the field of kinesiology; increase access to educational opportunities by serving broader constituencies by offering an innovative online delivery; and creatively develop new programs by offering a completely new fully online Master of Science in Kinesiology.

The California State University system does not offer a fully online Master of Science in Kinesiology. The program will attract a wide range of students from a variety of disciplines including but not limited to Kinesiology, Human Biology, Chemistry, Education, and Pre-Nursing. Having a fully online graduate degree will allow individuals already working or outside of the area the ability to gain mastery of content, as well as communicate with peers (locally, statewide, and nationally).

A degree in Kinesiology (MS and BS) is a common gateway degree to a number of allied health professions such as physical therapy, occupational therapy, and physician assistant. A Master of Science in Kinesiology is also a pathway to a wide range of other occupations. Kinesiology does not have an occupational code because graduates work in a variety of fields. The following five occupational areas were

utilized to determine workplace demand. Kinesiology graduates can be found working in each of these areas.

Recreation and Fitness Teachers, Postsecondary: Teach courses pertaining to recreation, leisure, and fitness studies, including exercise physiology and facilities management. Include both teachers primarily engaged in teaching and those who do a combination of both teaching and research.

Community Health Workers" Assist individuals and communities to adopt healthy behaviors. Conduct outreach for medical personnel or health organizations to implement programs in the community that promote, maintain, and improve individual and community health. May provide information on available resources, provide social support and informal counseling, advocate for individuals and community health needs, and provide services such as first aid and blood pressure screening. May collect data to help identify community health needs.

Exercise Physiologists: "Assess, plan, or implement fitness programs that include exercise or physical activities such as those designed to improve cardiorespiratory function, body composition, muscular strength, muscular endurance, or flexibility."

Fitness Trainers & Aerobics Instructors: "Educate and motivate individuals or groups in exercise. They demonstrate techniques and methods in cardiovascular exercise, weight and strength training, and stretching. They observe clients and show them ways to improve their skills. "

Secondary School Teachers: "Instruct students in secondary public or private schools in one or more subjects at the secondary level, such as English, mathematics, or social studies. May be designated according to subject matter specialty."

Source: https://www.labormarketinfo.edd.ca

Table 6. Estimated Employment & Projected Growth
Source: EDD/LMID Projections of Employment by Occupation at

Area California (2016-2026)	Estimated Employment	Projected Employment	Numeric Change	Percent Change	Additional Openings Due to Net Replacements
Recreation & Fitness Teachers, Postsecondary	2,500	2,700	200	8.0	220
Community Health Workers	6,700	7,600	900	13.4	950
Exercise Physiologists	NO data available				
Fitness Trainers & Aerobics Instructors	35,500	39,200	3,700	10.4	6,550
Secondary School Teachers	106,600	114,200	7,600	7.1	8,260

www.labormarketinfo.edd.ca.gov/?PageID=1011

The national employment of occupations where individuals with a master's degree in kinesiology are projected to grow 7 to 13.4% from 2016 to 2026. According to the Department of Labor, "The role of physical activity and diet in preventing and treating illnesses, such as diabetes, is now well known. More occupations with a kinesiology background will be needed to advise people who want to improve their overall health."

Table 7. Industries employing the five occupations

Area California (2016-2026)	Industries employing this occupation	Number of employers in the State of California	Percent of Total Employment for Occupation in State of California
Recreation & Fitness Teachers, Postsecondary	Junior Colleges	468	84.8%
Community Health Workers	Individual and Family Services	26,284	19.6%

	Colleges and Universities	1,941	16.0%
	Offices of Physicians	46,226	9.8%
	General Medical and Surgical Hospitals	1,602	8.9%
	Outpatient Care Centers	9,561	8.1%
	Grantmaking and Giving Services	619	5.8%
	Elementary and Secondary Schools	17,775	4.1%
	Social Advocacy Organizations	7,669	3.5%
	Emergency and Other Relief Services	675	2.9%
	Office Administrative Services	2,099	1.3%
	Employment Services	5,131	1.3%
	Residential Mental Health Facilities	20	1.2%
Exercise Physiologists	Offices of Other Health Practitioners	56,181	28.2%
	General Medical and Surgical Hospitals	1,602	20.8%
Fitness Trainers & Aerobics Instructors	Other Amusement and Recreation Industries	N/A	71.4%
	Civic and Social Organizations	N/A	8.1%
	Other Schools and Instruction	N/A	1.9%
	Accommodation	N/A	1.9%
	Local Government	N/A	1.4%
Secondary School Teachers	106,600	114,200	7,600

Source: https://www.labormarketinfo.edd.ca.gov/OccGuides/Search.aspx

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.

There is local, state, and national need for an online Master of Science in Kinesiology. CSU Bakersfield is located in California's Central Valley in Kern County. According to the Center for Disease Control, "The health of Kern County residents has become an alarming concern. Chronic disease, along with the issues of overweight and obesity, has reached epidemic proportions in Kern County. Over 60% of the population (teens and adults) is reported as being overweight or obese. Kern County ranks highest of the 58 California counties in deaths from heart disease and is second highest in deaths from diabetes. Kern County also ranked in the bottom 25% for six of eight health indicators related to all causes of death (2010). Poor nutrition and lack of physical activity significantly increases the risk and acuity of diabetes, heart disease, high blood pressure and cancers." These conditions closely follow low-income and minority populations, which are extremely prevalent in Central California. Interventions addressing these issues and objectives targeting prevention are most likely beneficial when professionals are able to relate to their population. Having a program to educate and advocate for healthy habits in the locations where it is needed most provides an advantage in obtaining risk reduction outcomes.

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.

As part of the development of the proposed master's degree in Kinesiology, a survey was developed that asked current and graduates of the Department of Kinesiology and respondents, their interest in a MS in Kinesiology program being created by this Department. A total of 1499 surveys were sent to stakeholders, 338 (22.5%) students agreed to participate, 205 current students and 133 graduates completed the survey. Currently enrolled students were enrolled in Allied Health (58.6%), Applied Exercise Science (25.5%), and Physical Activity Leadership (15.9%). A small number of students listed schools that they have applied to for graduate studies, including CSU Fullerton, Loma Linda, Dominguez Hills, and USC.

The majority of students that were interested in a master's degree program cited career considerations being the most important to continuing their education. The students further believed that the degree would allow them entry into a new career and continuation to a doctoral degree. When students were asked about why they were interested in pursuing a MS degree, they reported they were actively researching their options and currently considering their options but have not done much research. Students that graduated from the bachelor's degree that continued on to graduate school reported that career considerations were the most important reason for continuing with their education. Students listed current graduate programs including

CSU Sacramento, University of Arizona online, CSU San Marcos, and CSU Bakersfield.

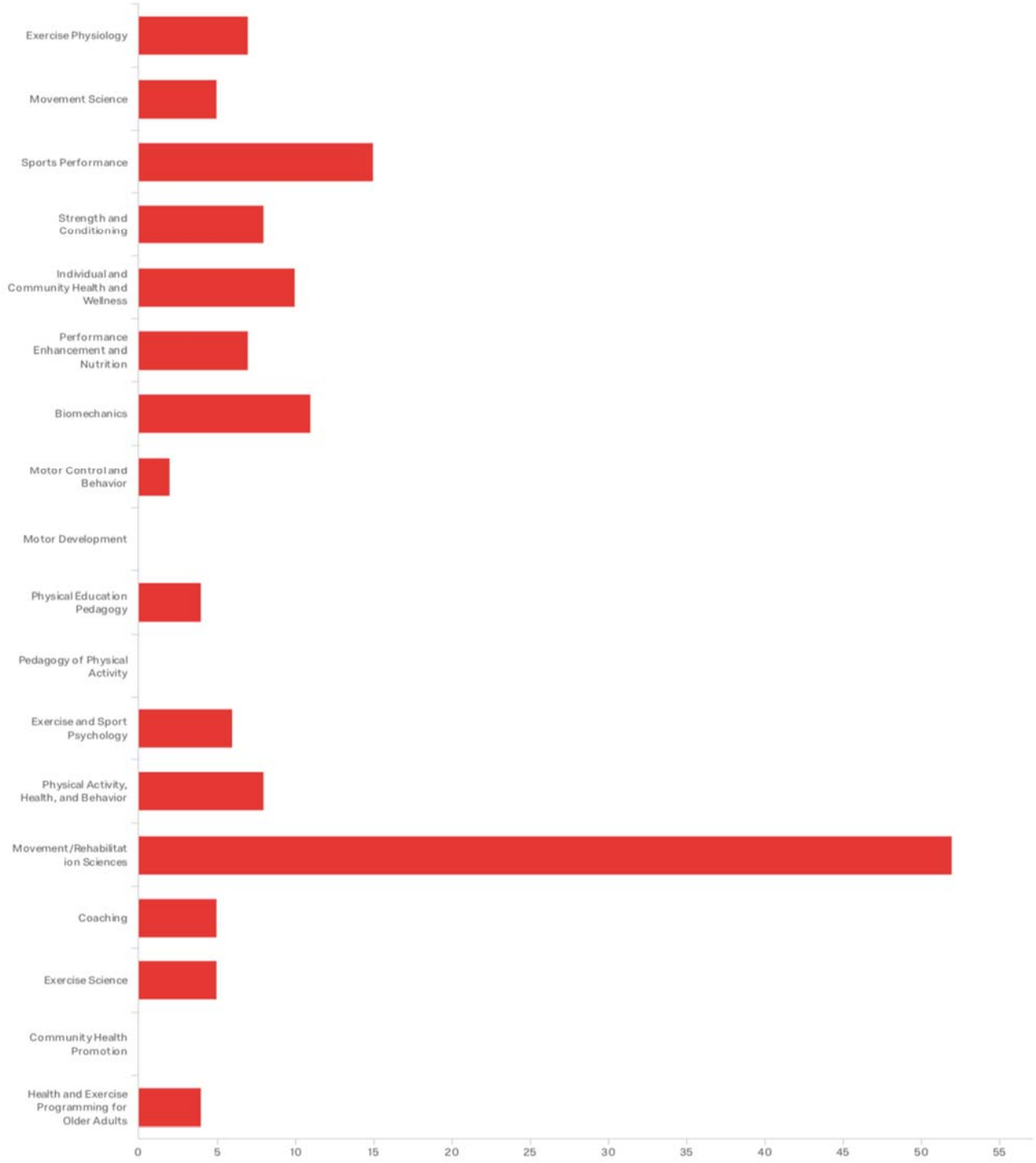

Figure 3. What topics the respondents would be interested in studying as a graduate student.

When asked questions regarding content and structure of the proposed MS program, the students reported on topics they would be interested in studying as a graduate student, Movement/Rehabilitation Sciences (34.9%), Sports Performance (10.1%), Biomechanics (7.4%), Community Health and Wellness (6.7%) were most cited. Numerous other programs were of interest including Exercise Physiology, Strength and Conditioning, and Coaching.

The students were also asked which mode of student learning would be appropriate for the proposed MS program. Fully face-to-face (in class) received 49.3%, fully online received 12.3%, Hybrid format 50/50 (face-to-face/online) received 21.2%, and 24.6% of respondents reported classes mostly or all evenings or weekends as a preference. Lastly, when students were asked what type of culminating experience(s) they felt would be most appropriate; 41.7% respondents reported the Comprehensive exam, 10.9% reported a Thesis and 47.4% reported the Community project.

b. Issues of diversity and access to the university considered when planning this program.

   CSUB's unique location in a demographically diverse service area provides the Kinesiology Program a fertile environment to function comprehensively in integrating diversity in every aspect of candidates' academic and professional preparation. We operate within the very diverse Central Valley of California and within the very diverse State of California. Our student population is reflective of the diversity of our state and region.

   In Fall 2018, CSU Bakersfield continues to be recognized as a Hispanic Serving Institution with a Hispanic student population of 59%. Other race/ethnic groups represented on CSU Bakersfield's campus include Caucasian or White (18%), Asian (7%), African American or Black (5%), two or more races (3%) and Native American (1%). We are proud of the diversity of our campus and expect to enroll a diverse student group in our master's degree.

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.

Table 8. Kinesiology majors and graduates

YEAR	2015-16	2016-17	2017-18
# of undergraduate majors in Kinesiology	**421**	**424**	**466**
# of degrees awarded in Kinesiology	**74**	**80**	**85**

d. Professional uses of the proposed degree program.

Current job postings requiring a background in Kinesiology span a wide range of occupations (https://indeed.com). Students graduating with a masters in Kinesiology will have knowledge and skills that will enable them to choose a variety of professional career paths. Some students will also use the degree to enter graduate student in a specialized area of study within kinesiology or enter graduate programs in the allied health professions (OT, PT, PA, etc). Below are sample job postings where the kinesiology degree is listed. The degree is useful for obtaining high level coaching positions, working with individuals needing musculoskeletal or cardiovascular improvement, developing workplace wellness programs, working in the areas of personal fitness and wellness, and working in a research or clinical environment.

Table 9. Samples of Current Job Postings Identifying Kinesiology Degree

Areas of employment	Sample job titles (January 2019)
Clinical and research	Sport Scientist; R&D Scientist; Sport Science Data Analytics, Clinical Laboratory Scientist; Physical Scientist – US Air Force; Research Associate; Research Physiologist; Exercise Physiologist
Athletics	Coach; Performance Coach; Pitching Analysts; Athletic Performance Coach; Strength and Conditioning Coach
Workplace	Program Manager-Corporate Wellness; Worksite Wellness; Health and Wellness Fitness Director; Ergonomic Workstation Evaluator; Client Wellbeing & Engagement Consultant; Lifestyle Director; Health and Wellness Specialist
Adults and Seniors	Director of Community Wellness/Adult Fitness Center; Activities and Wellness Director: Senior Living; Clinical Wellness Coach
Education	K-12 Teacher; Community College Instructor; Adjunct Kinesiology Faculty
Sales	Fitness Sales; Health Sales Manager
Fitness	Exercise Technician; Exercise Specialist; Fitness Coordinator; Fitness Advisor; Fitness Coach; Personal Trainer; Master Trainer; Fitness Service Manager; Director of Fitness
Rehabilitation	Cardiac Technician; Cardiac Rehabilitation; Rehabilitation Specialist
Wellness & Health Promotion	Life Coach; Wellness Coordinator; Healthcare Coordinator; Health Promotion Technician

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.

The anticipated enrollment for the Masters of Science in Kinesiology is 20 new students for the first year and 25 new students for the third and fifth year going forward. We anticipate an attrition rate of 8%. The expected number of graduates is 18 in the second year and 23 for the third and fifth year going forward.

7. Existing Support Resources for the Proposed Degree Major Program

(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.

See Appendix E. Faculty Characteristics and CV's

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

There are no specific space and facility requirements in the delivery of this fully online program. Students who opt to conduct a research study using a laboratory facility will have access to multiple laboratories on campus including the Human Performance Laboratory and the Gait and Posture Neuromechanics Laboratory.

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).

See Appendix F. Report of Library Resources

d. Existing academic technology, equipment, and other specialized materials currently available.

Faculty have the current technology that is needed to deliver the program. Faculty are on a workstation upgrade cycle that will maintain currency in academic technology.

The University is also on an upgrade cycle for the Learning Management System that will be utilized in the course delivery (Blackboard or Canvas).

8. 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.

   No additional faculty or staff positions will be needed to implement the program. There is support staff in Extended University and high faculty interest in the Kinesiology Program.

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.

   No additional lecture or laboratory space will be required to initiate and sustain the program over the next five years.

c. A report written in consultation with the campus librarian, indicated any additional library resources needed. Indicate the commitment of the campus to either purchase or borrow through interlibrary loan these additional resources.

   See Appendix G. Report from Campus Librarian

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.

No additional lecture or laboratory space will be required to initiate and sustain the program over the next five years.

9. Self-Support Programs

a. Confirm that the proposed program will not be offered at places or times likely to supplant or limit existing state-support programs.

The M.S. Kinesiology degree is not currently offered on the Bakersfield campus. The proposed program will be offered online and should not impact or limit any existing state-support programs.

b. Explain how state-support funding is either unavailable or inappropriate.

State funding is unavailable for the program. Currently, the full-time faculty that will be teaching in the program have a full-undergraduate workload. Offering the program on a self-support basis will generate the resources needed for operation. CSUB full-time faculty will teach this program for overload pay.

c. Explain how at least **one** of the following additional criteria shall be met:
   i. The courses or program are primarily designed for career enrichment or retraining;
   ii. The location of the courses or program is significantly removed from permanent, state-supported campus facilities;
   iii. The course or program is offered through a distinct technology, such as online delivery;
   The MS in Kinesiology will be offered online to working professionals.
   iv. For new programs, the client group for the course or program receives educational or other services at a cost beyond what could be reasonably provided within CSU Operating Funds;
   v. For existing programs, there has been a cessation of non-state funding that previously provided for educational or other services costing beyond what could be reasonably provided within CSU Operating Funds.

d. For self-support programs, please provide information on the per-unit cost to students and the total cost to complete the program (in addition to the required cost recovery budget elements listed in the CSU degree proposal faculty check list found earlier in this document and listed below):

$495/unit
30 units
$14,850

See Appendix H. Cost Recover Budget

Appendix A. Letter of Support Steve Bacon, Dean Social Sciences and Education

CSU Bakersfield
School of Social Sciences and Education
Office of the Dean

Mail Stop: 21 EDUC
9001 Stockdale Highway
Bakersfield, California 93311-1022
(661) 654-2210
(661) 654-2016 FAX
www.csub.edu

April 16, 2019

Dr. Alison M. Wrynn, Ph. D.
Interim Assistant Vice Chancellor, Academic Programs and Faculty Development
CSU Office of the Chancellor
401 Golden Shore
Long Beach, CA 90802-4210

Dear Dr. Wrynn,

As Dean of the School of Social Sciences and Education, I am pleased to support the proposal to develop a fully online Master of Science in Kinesiology (MSK) degree program at CSU Bakersfield.

Workforce demand for the MSK is supported by three different sources. First, a survey of local employers of potential graduates of the proposed program showed great support, with more than a majority supporting the proposed program and 83% responding that the specialized training and skills of graduates would help their businesses. A survey was also sent to current students in CSU Bakersfield's Kinesiology program along with graduates of the program; a majority of these students said they would consider further education beyond a Bachelor's degree if it would improve their career prospects. Finally, California labor market data suggests growth of 7.1-13.4% between 2016 and 2026 in the five occupations most closely related to advanced training in Kinesiology, representing thousands of new jobs. Given that 70% of CSUB alumni continue to work in the Central Valley of California after receiving their degrees, these workforce numbers have the strong potential for impacting quality of life in our local region.

Kern County, the home county of CSU Bakersfield, has some of the worst health-related quality of life indicators in California. Kern County ranks highest of the 58 California counties in deaths from heart disease and is second highest in deaths from diabetes. High rates of obesity contribute to each. A local MSK degree program that prepares graduates-- most of whom will stay in the area after graduation-- to tackle these health-related challenges, would be of great benefit to our local quality of life and economy.

A unique feature of the MSK program is that it will be a fully online, self-support program. It will be the only online Master of Science in Kinesiology in the CSU system. This delivery format will afford adult learners the opportunity and flexibility to complete the 30-unit online program while working and while living some distance from the CSU Bakersfield campus. This makes the program an excellent fit for our university and community.

For all the reasons outlined above, I strongly believe this program will be successful and will have a powerful impact on our university and community. Thank you for your consideration of our Master of Science in Kinesiology proposal.

Sincerely,

Steven F. Bacon, Ph.D.
Dean, School of Social Sciences and Education

Appendix B. Catalog Copy

Catalog Copy (2020-2021)

Department of Kinesiology

School of Social Sciences and Education

Department Chair:
Kris Grappendorf

Program Coordinator: TBD

Department Office: Education Building, 142

Telephone: (661) 654-2187

Email: KINE@csub.edu

Website: www.csub.edu/SSE/KINE

Faculty: J. Moffit, B. Sanchez, B. Street, E. Wang, Z. Zenko

Program Description

The Department of Kinesiology offers a Master of Science degree in Kinesiology (MSK). The Master of Science in Kinesiology is a fully online program offered through Extended Education and Global Outreach (EEGO). The MSK will provide students with a breadth of knowledge in kinesiology including an emphasis in: behavior change, exercise physiology, program design, movement science, and evidence-based practice in kinesiology. Students will gain experience evaluating individual needs, developing exercise and wellness plans, and educating individuals and their families. The program will require students to complete a culminating experience or thesis that will provide students with a practical experiential learning opportunity or a research experience.

Program Requirements

Application for the Master of Science in Kinesiology

Persons seeking a Master of Science in Kinesiology degree must apply through Extended Education and Global Outreach for admission to the MS Kinesiology graduate program. After an application review by a 3-member committee consisting of the Program Coordinator and two program faculty, students will receive a letter of acceptance into the program. Accepted students will be classified as either a Conditionally Classified Graduate Student or a Classified Graduate Student.

Admissions Requirements for the Master of Science in Kinesiology

1. Kinesiology major/minor or equivalent courses from Kinesiology are required prerequisites for the graduate program.
    - An applicant who does not have a major or minor in Kinesiology must take three undergraduate courses from the areas of biomechanics, exercise physiology, motor control/learning, applied kinesiology, or functional anatomy and one course from the areas of sport psychology or exercise psychology.
2. Completion of prerequisite coursework
    - Applicants must have completed a college/university level course with a grade of C or better in the following 3 content areas:
        - Human Anatomy (BIOL 2210: Human Anatomy)
        - Human Physiology (BIOL 2220: Human Physiology)
        - Introductory Statistics (MATH 2220, PSYC 2018 or SOC 2208)
3. Bachelor's Degree from an accredited four-year college or university
4. Cumulative GPA of 3.0 in the last 90 units of all coursework
5. Three Reference Forms
6. Personal Statement
7. Completed CSUB Extended University Application
8. One official transcript from each college attended
9. Personal Statement
10. Three Positive Professional References

Graduate Student Classification

Conditionally Classified Graduate Student

Applicants that do not meet all of the admission requirements for the Master of Science in Kinesiology may be provisionally admitted to the MS Kinesiology graduate program as a Conditionally Classified Graduate Student if, in the judgment of the Kinesiology Graduate Admissions Committee, the applicant has the potential to successfully complete all requirements within a reasonable timeframe (usually one calendar year). These requirements (or approved substitutions) will be determined by the Kinesiology Graduate Admissions Committee and specified in the admission letter. Upon successful completion of all requirements, the student can apply for full acceptance to the MS Kinesiology graduate program as a Classified Graduate Student. Failure to satisfactorily complete all requirements in the specified timeframe will result in dismissal from the MS Kinesiology graduate program. Note: Conditionally Classified Graduate Students may not enroll in more than 10 semester units of coursework for graduate credit prior to advancing to Classified Graduate Student status.

Classified Graduate Student

Classified Graduate Student status indicates that the minimum admissions requirements for the Master of Science in Kinesiology have been satisfied and that space has been made available in the MS Kinesiology graduate program. Specific minimum admission requirements for Classified Graduate Student status are listed below:

1. Kinesiology major/minor or equivalent courses from Kinesiology are required prerequisites for the graduate program.
    - An applicant who does not have a major or minor in Kinesiology must take three undergraduate courses from the areas of biomechanics, exercise physiology, motor control/learning, applied kinesiology, or functional anatomy and one course from the areas of sport psychology or exercise psychology.
2. Completion of prerequisite coursework
    - Applicants must have completed a college/university level course with a grade of C or better in the following 3 content areas:
        - Human Anatomy (BIOL 2210: Human Anatomy)
        - Human Physiology (BIOL 2220: Human Physiology)
        - Introductory Statistics (MATH 2220, PSYC 2018 or SOC 2208)
3. Bachelor's Degree from an accredited four-year college or university
4. Cumulative GPA of 3.0 in the last 90 units of all coursework
5. A Plan of Study approved by the Program Coordinator

Advancement to Candidate Status

Candidate status indicates that the student has completed at least 18-semester units within the approved Plan of Study and that there is a reasonable expectation that the student will complete all remaining degree requirements within one year. Classified Graduate Students will be advanced to Candidate status when they have met the following criteria:

1. Completion of all requirements for Classified Graduate Student status.
2. Completion of at least 18 units toward the Master of Science in Kinesiology degree with a graduate GPA of at least 3.0 and grades of "B" or better in all courses on the approved Plan of Study.
3. Successful defense of the MS Thesis Proposal Form and approval by the Program Coordinator and the MS Thesis Committee **OR** successful defense of the MS Culminating Experience Proposal Form and approval by the Program Coordinator and MS Culminating Project Committee.

Graduate Advisor, Plan of Study and Time Limit

The Graduate Program Coordinator will serve as the advisor. Upon admission the student should arrange an appointment to develop a program plan of study. All requirements for the degree must be completed within seven calendar years after admission to the MS Kinesiology graduate program. The seven-year limit may be extended by an approved petition to the Kinesiology Graduate Committee.

Capstone Options for Degree

Students must complete one of two capstone options for the degree:

1. Project: KINE 6800 Culminating Experience
    a. The project option allows students to research and refine a problem proposed or approved by the organization; develop an explicit working agreement governing the scope and deliverables of the project; collect data and/or conduct analyses

relevant to the project. The project option requires a final report or manuscript and oral defense.

2. Thesis: KINE 6810 Thesis
    a. The thesis option consists of an original laboratory or community-based investigation that systematically studies a problem. The finished document requires independent thinking, appropriate organization and format and thorough documentation. An oral defense is required.

Students must complete KINE 6010 Research Methods prior to enrolling in 6800 or 6810 .

Note: KINE 6170 and 6180 can be taken concurrently with KINE 6800 and 6810 if approved by the Program Coordinator, concurrent scheduling aligns with the program plan of study and student has an approved petition for advancement to candidacy.

Academic Performance Requirement

All graduate students must maintain a grade point average of 3.0 or better in all courses taken to satisfy the requirements for the degree as specified in the student's plan of study.

Graduate Writing Assessment Requirement

All graduate students must satisfy the Graduate Writing Assessment Requirement (GWAR) as soon as possible in their graduate study, unless they have already done so. Please refer to the Division of Graduate Programs in the catalog for further details.

Requirements for the Master of Science in Kinesiology (MSK)
30 units

1. **Required Coursework (18 units):** KINE 6010 Research Methods in Kinesiology, KINE 6020 Advanced Exercise Physiology, KINE 6030 Advanced Movement Science, KINE 6040 Advanced Behavior Change, KINE 6050 Advanced Program Design in Kinesiology, KINE 6060 Evidence-Based Practice in Kinesiology

2. **Clinical Practicum (3 units) OR Research (3 units):** KINE 6170 Kinesiology Practicum/Field Experience OR KINE 6180 Kinesiology Research

3. **Current Topics in Kinesiology (6 units):** KINE 6700 Special Topics

4. **Culminating Experience (3 units) OR Thesis (3 units):** KINE 6800 Culminating Experience OR KINE 6810 Thesis

Coursework may be completed over several semesters. Must complete the required coursework prior to the clinical practicum and culminating experience.

Course Descriptions

KINE 6010 Research Methods in Kinesiology (3)

This course provides the student with knowledge about the design and analysis of research methodology employed when studying areas within Kinesiology. The theory, design, applications, and analytic strategies used for various types of research are presented in a sequential format. Goals of the course include 1) gaining the ability to critically evaluate research in the different areas of Kinesiology, 2) achieving competence in research methodology, and 3) understanding the conceptual application of analytic techniques to data. Prerequisite: Graduate student standing or permission of the instructor.

KINE 6020 Advanced Exercise Physiology (3)

This course provides an in-depth study of physiological principles to exercise circumstances; includes critical analysis of the effect of exercise on human physiologic function with in-depth examination of current literature. Prerequisite: Graduate student standing or permission of the instructor.

KINE 6030 Advanced Movement Science (3)

This course involves the application of mechanical principles, quantitative analysis of human movement, and advanced study of biomechanical instrumentation systems. Critical analysis of current research in the field of biomechanics is also emphasized. Prerequisite: Graduate student standing or permission of the instructor.

KINE 6040 Advanced Behavior Change (3)

This course will provide students with information and skills necessary to understand biological, psychological, behavioral, and social influences of physical activity behavior. Students will examine, and critique behavior change theories. This course highlights practical tools and intervention techniques designed to promote behavior change and maintenance of physical activity and exercise behavior. Prerequisite: Graduate student standing or permission of the instructor.

KINE 6050 Advanced Program Design in Kinesiology (3)

This course provides a study of the aerobics concept of conditioning, with special emphasis upon the cardiorespiratory system and the relationship between lifestyle and the risk factors of heart disease. Students learn to write exercise prescriptions maintaining health and fitness for various populations (normal, young, rehabilitation, geriatric, etc.). Prerequisite: Graduate student standing or permission of the instructor.

KINE 6060 Evidence-Based Practice in Kinesiology (3)

This course will ensure that students are capable of lifelong learning. Necessary knowledge and skills in reading and critically appraising research evidence related to kinesiology will be taught, practiced, and demonstrated. Original research and reviews will be used as guides. Students will demonstrate ability to apply evidence-based practice by creating an evidence-based intervention

plan designed to solve a problem of professional interest. Prerequisite: Graduate student standing or permission of the instructor.

KINE 6170 Kinesiology Practicum/Field Experience (3)

Supervised intern experience within a university program, agency, business, or industry for the purpose of acquiring additional knowledge and skills desirable for professional development in the kinesiology field. Prerequisites: Approved petition for advancement to candidacy and instructor approval for placement. Can be taken concurrently with KINE 6800.

KINE 6180 Kinesiology Research (3)
Independent research where student formulates a problem and research design in consultation with the faculty, conducts the investigation, compiles and analyzes the data, and presents the findings in written and oral form. Prerequisites: Approved petition for advancement to candidacy. Can be taken concurrently with KINE 6810.

KINE 6700 Current Topics in Kinesiology (3)

Special topics course in contemporary issues and issues of current interest not covered in regular courses. May be repeated for up to 6 units toward degree. When offered, prerequisites and course requirements will be announced with each course. Prerequisite: Graduate student standing or permission of the instructor.

KINE 6800 Culminating Experience (3)

This course provides an opportunity for students to apply kinesiology concepts and planning competencies to a project within a university, community, regional, or national setting. Students research and refine a problem proposed or approved by the organization; develop an explicit working agreement governing the scope and deliverables of the project; collect data and/or conduct analyses relevant to the project; and prepare a final report or manuscript in written and oral form. Prerequisites: Approved petition for advancement to candidacy. Can be taken concurrently with 6170.

KINE 6810 Thesis (3)

Original laboratory or community-based investigation of a research problem. Prerequisites: Approved petition for advancement to candidacy. Can be taken concurrently with KINE 6180.

KINE 7000 Continuous Enrollment (0)

Graduate students who have completed the majority of their coursework but have not completed their culminating experience or thesis may enroll in this 0-unit course for the purpose of maintaining continuous enrollment. Prerequisite: approval of the Program Coordinator.

Appendix C. Program Assessment Plan: MS in Kinesiology

University Learning Outcomes (ULOs)	University Learning Outcomes for Graduate Programs (ULOGPs)	Kinesiology Student Learning Objectives (SLOs)	Course where SLO (s) are assessed	Assessment Schedule (How often SLOs will be assessed)	Assessment activity or assignment used to measure each SLO	Assessment tool used to measure outcome success	How data findings will be reported	Designated personnel to collect, analyze, and interpret data	Closing the loop strategies	Program finding dissemination schedule
ULO I. Students will show critical reasoning and problem-solving skills.	ULOGP I. Students will demonstrate broad, integrative knowledge.	SLO 1. Students will demonstrate broad and advanced knowledge of biological, psychological, and physical processes.	KINE 6040	Year 1, Fall then once every 2 years	Exam	Essay question	Data entry and findings in Taskstream	Faculty and Program Director	Program coordinator responsible for data analysis, dissemination of information and coordination between faculty on a term by term basis	Department meetings monthly and bi-annual program faculty meetings
	ULOGP III. Students will practice intellectual skills such as analytic inquiry, use of information resources, engaging diverse perspectives, quantitative fluency, and communication fluency.	SLO 5. Students will synthesize and critically appraise existing research for the evaluation and development of effective programming.	KINE 6020 KINE 6180 *and/or* KINE 6810	Year 1, Spring then once every 2 years Every term	Module Quiz Written Research Report Thesis	Essay question Written Research Report Rubric Thesis rubric				

University Learning Outcomes (ULOs)	University Learning Outcomes for Graduate Programs (ULOGPs)	Kinesiology Student Learning Objectives (SLOs)	Course where SLO (s) are assessed	Assessment Schedule (How often SLOs will be assessed)	Assessment activity or assignment used to measure each SLO	Assessment tool used to measure outcome success	How data findings will be reported	Designated personnel to collect, analyze, and interpret data	Closing the loop strategies	Program finding dissemination schedule
ULO II. Students will be able to communicate orally and in writing.	ULOGP III. Students will practice intellectual skills such as analytic inquiry, use of information resources, engaging diverse perspectives, quantitative fluency, and communication fluency.	SLO 2. Students will integrate and apply specialized knowledge in various areas of kinesiology.	KINE 6030 KINE 6700	Year 1, Summer then once every 2 years Year 2, Fall then once every 2 years	Kinetic Analysis Project Various based on course content	Project Rubric Various based on course content	Data entry and findings in Taskstream	Faculty and Program Director KINE 6700 coordinated with assigned faculty and director related to data collected	Program coordinator responsible for data analysis, dissemination of information and coordination between faculty on a term by term basis	Department meetings monthly and bi-annual program faculty meetings
ULO III. Students will demonstrate discipline-based knowledge and career-based-learning.	ULOGP I. Students will demonstrate broad, integrative knowledge. ULOGP II. Students will develop specialized knowledge.	SLO 1. Students will demonstrate broad and advanced knowledge of biological, psychological, and physical processes.	KINE 6700	Year 2, Fall then once every 2 years	Various based on course content	Various based on course content	Data entry and findings in Taskstream	Faculty and Program Director KINE 6700 coordinated with assigned faculty and director related to data collected	Program coordinator responsible for data analysis, dissemination of information and coordination between faculty on a term by term basis	Department meetings monthly and bi-annual program faculty meetings

University Learning Outcomes (ULOs)	University Learning Outcomes for Graduate Programs (ULOGPs)	Kinesiology Student Learning Objectives (SLOs)	Course where SLO (s) are assessed	Assessment Schedule (How often SLOs will be assessed)	Assessment activity or assignment used to measure each SLO	Assessment tool used to measure outcome success	How data findings will be reported	Designated personnel to collect, analyze, and interpret data	Closing the loop strategies	Program finding dissemination schedule
ULO IV. Students will possess numerical literacy.	ULOGP III. Students will practice intellectual skills such as analytic inquiry, use of information resources, engaging diverse perspectives, quantitative fluency, and communication fluency.	SLO 4. Students will understand and utilize qualitative and quantitative processes and methods for evaluation of human performance and health assessment.	KINE 6010 KINE 6170 *and/or* KINE 6180	Year 1, Fall then once every 2 years Year 2, Spring then once every 2 years	Methodology Synopsis Assignment Self-evaluation Written Research Report	Synopsis Rubric Rubric Written Research Report Rubric	Data entry and findings in Taskstream	Faculty and Program Director	Program coordinator responsible for data analysis, dissemination of information and coordination between faculty on a term by term basis	Department meetings monthly and bi-annual program faculty meetings
ULO V. Students will become engaged citizens.	ULOGP IV. Students will conduct applied learning	SLO 3. Students will organize and implement wellness programs for the development of healthy behaviors and improved quality of life.	KINE 6050	Year 1, Spring then once every 2 years	Student Project	Project Rubric	Data entry and findings in Taskstream	Faculty and Program Director	Program coordinator responsible for data analysis, dissemination of information and coordination between faculty on a term by term basis	Department meetings monthly and bi-annual program faculty meetings

ULO VI. Students will develop a well-rounded skill set.	ULOGP II. Students will develop specialized knowledge. ULOGP III. Students will practice intellectual skills such as analytic inquiry, use of information resources, engaging diverse perspectives, quantitative fluency, and communication fluency. ULOGP IV. Students will conduct applied learning	SLO 3. Students will organize and implement wellness programs for the development of healthy behaviors and improved quality of life. SLO 4. Students will understand and utilize qualitative and quantitative processes and methods for evaluation of human performance and health assessment.	KINE 6060 KINE 6010 KINE 6170 *and/or* KINE 6180 KINE 6800 *and/or* KINE 6810	Year 1, Summer then once every 2 years Year 1, Fall then once every 2 years Year 2, Spring then once every 2 years Every Term	Evidence-based Practice Project Methodology Synopsis Assignment Self-evaluation Written Research Report Oral Presentation Thesis	Rubric Methodology Synopsis Rubric Written Research Report Rubric Rubric Rubric	Data entry and findings in Taskstream	Faculty and Program Director	Program coordinator responsible for data analysis, dissemination of information and coordination between faculty on a term by term basis	Department meetings monthly and bi-annual program faculty meetings

Appendix D. MS Kinesiology Assessment Map

MS Kinesiology (SLOs and major courses)

I = Introduced, D = Developed, C = Competent, M = Mastered

	KINE 6010 Research Methods in Kinesiology	KINE 6020 Advanced Exercise Physiology	KINE 6030 Advanced Movement Science	KINE 6040 Advanced Behavior Change	KINE 6050 Advanced Program Design	KINE 6060 Evidence Based Practice	KINE 6170 Practicum Field Experience	KINE 6180 Kinesiology Research	KINE 6700 Current Topics	KINE 6800 Culminating Experience	KINE 6810 Thesis
Scientific Foundations of Kinesiology SLO1: Demonstrate broad and advanced knowledge of biological, psychological, and physical processes.		D, C	D, C	D, C		D, C			D, C	M	M
Integration of Knowledge in Kinesiology SLO 2: Integrate and apply specialized knowledge in various areas of kinesiology.		D, C	D, C	D, C	D, C	D, C	M		D, C	M	M
Practice and Application of Kinesiology SLO 3: Organize and implement wellness programs for the development of healthy behaviors and improved quality of life.		D, C	D, C	D, C	D, C	D, C	M		D, C	M	M
Analysis and Critical Thinking in Kinesiology SLO 4: Understand and utilize qualitative and quantitative processes and methods for evaluation of human performance and health assessment.	I, D	D, C	D, C	D, C	D, C	D, C	M	M	D, C	M	M
Current Trends in Programming and Planning in Kinesiology SLO 5: Synthesize and critically appraise existing research for the evaluation and development of effective programming.	I, D	D, C	D, C	D, C	D, C	D, C	M	M	D, C	M	M

Appendix E. Faculty Characteristics and CV's

Faculty	Moffit	Sanchez	Street	Wang	Zenko
Rank	Associate Professor	TT Assistant Professor	TT Assistant Professor	Full-Professor	TT Assistant Professor
Appointment Status	Tenured Associate Professor	1st Year Probationary	5th Year Probationary	Tenured Professor	1st Year Probationary
Highest Degree Earned	Ed.D.	Ph.D.	Ph.D.	Ph.D.	Ph.D.
Date and Field of Highest Degree	May 2000 Physical Education/ Physiological Kinesiology	August 2017 Kinesiology: Exercise Physiology	August 2014 Kinesiology: Biomechanics/ Motor Control	May 2004 Kinesiology: Physical Education	August 2016 Kinesiology: Sport Psychology/ Exercise Physiology
Professional Experience	Undergraduate and graduate teaching. Master's thesis chair and committee member. Human performance testing for both sport and job requirements. American College of Sports Medicine certification: Exercise Test Technologist.	CSUB Lecturer, Assistant Professor (2017-2019) Texas A&M Clinical/Research Coordinator of the Exercise and Sport Nutrition Laboratory (2015-2017)	On-going research agenda within Biomechanics. Dissertation chair and committee member for graduate students (both at the Master and Doctoral level). Taught graduate level courses in research methods and Biomechanics.	Professor at California State University, Bakersfield (2014 to present) Associate Professor (2009 to 2014) Assistant Professor (2003 to 2009)	Assistant Professor – California State University, Bakersfield (2018-Current) Postdoctoral Associate – Duke University (2016-2018) Graduate Assistant – Iowa State University (2012-2016) Graduate Assistant – University of Pittsburgh (2011-2012) Mentored and supervised research experiences for over 20 students Certified as a Physical Activity in Public Health Specialist by the American College of Sports Medicine

Affiliations with Other Campus Programs	General Education Curriculum Committee, General Education Theme Q Fellow	Research Council of the University (appointment May 2019-2021)	Core faculty member in the CSUB Doctoral program in Educational Leadership.	N/A	N/A

* **Note:** The Kinesiology Department is currently searching for 2 tenure-track positions (Exercise Physiology/Health Promotion and Biomechanics/Motor Control)

Curriculum Vitae

JEFFREY K. MOFFIT
661.654.6084
jmoffit@csub.edu

Education

Graduate Degrees: Doctor of Education, University of Northern Colorado, May 2000
Major: Physical Education, Emphasis in Physiological Kinesiology

Master of Arts, California State University, Fresno, 1991
Major: Physical Education, Emphasis in Exercise Science

Undergraduate Degree: Bachelor of Arts, California State University, Fresno, 1988
Major: Special Major - Exercise Science

University Teaching Experience

Sept. 2001-Present Associate Professor at California State University, Bakersfield in the Department of Physical Education and Kinesiology, Tenured 2008
Department Chair (fall 2006 – summer 2012), Interim Department Chair (fall 2017)

Jan.-March 2001 Lecturer at California State University, Bakersfield in the Department of Physical Education and Kinesiology

1996-1998 Lecturer at California State University, Fresno in the Department of Kinesiology

Public School Teaching Experience

1999-2000 High School Teacher at Buchanan High School, Clovis, California

Professional Affiliations

American College of Sports Medicine – National, 1993- Present
South West Chapter of the American College of Sports Medicine – Regional, 1996 - Present

Certifications

American College of Sports Medicine Exercise Test Technologist. UC Davis, July 1991

Grants

Extramural:

Co-author of Clovis Police Department Fitness Testing and Disability Avoidance Program grant of $15,540.00 funded by the City of Clovis, Spring, 1998.

Intramural:

CSUB Research Council of the University (RCU) mini-grant, $5,000, to purchase equipment for research on energy economy resulting from use of innovative bicycle drive trains, 2008.

Awards

CSU Bakersfield School of Education Faculty Honors Award for Service. Presented for the 2007-2008 academic year.

Department/School/University Service

University General Education Theme Q Learning Community Fellow, Fall 2016-Present
University General Education Committee (GECCo), Fall 2016-Present

Community Outreach/Service

Board Member:

Bakersfield Track Club, 2010-present.
Kern County Aging & Adult Services Dept. Active Aging Task Force, Fall 2001-2005

Event Director:

Kinesiology Dept. St. Patrick's Run. Benefiting the CSUB Kinesiology Dept, 2017-present
Kinesiology Club Valentine's Run. Benefiting the Kinesiology Majors' Club, 2003- present

Professional Growth and Scholarly Activities

Attendance of conferences and workshops:

American College of Sports Medicine Southwest Chapter Meeting. 2005- 2018
American College of Sports Medicine National Convention. 2003, 2008, 2017

Professional / Public Presentations

Invited Speaker: American Lung Association's Better Breather Symposium. Presentation Titled, "21st Century Wellness: The Facts and the Fix. April 2016 & 2017.

Invited Speaker: CSUB School of Social Sciences and Education Quality of Life Lecture Series. Presentation Titled, "21st Century Wellness and The Tao of Grandmother" April 2014.

Invited Speaker: CSUB School of Education Spring Research Symposium. "What Makes an Ideal Physical Education Preparation Program." May 2007.

Scholarly Writing and Productivity

Published

Wang, J., Liu, W. & **Moffit, J.** (2010). What skills and tactics are needed to play pick-up basketball games? *Research in Health, Physical Education, Recreation, Sport, & Dance, 5*(2), 51-57.

Wang, J., Liu, W., & **Moffit, J.** (2009). Arm and trunk actions of overhead forehand strokes used in badminton games. *Perceptual and Motor Skills, 109*, 177-186.

Wang, J., Liu, W., & **Moffit, J.** (2009). Skills and offensive tactics used by regular players in pick-up basketball games. *Perceptual and Motor Skills*, *109*, 473-477.

Wang, J. & **Moffit, J.** (2009). Teaching badminton based on student skill levels. *Strategies*, *22*(6), 14-18.

Boggess, B., **Moffit, J.**, Morales, J., & Anderson, T. (2008). The effect of kinetic error on the determination of isokinetic work during concentric and eccentric contractions. Journal of Sport Science and Medicine, 7(1), 84-90.

Diboll, D.C. & **Moffit, J.M.** (2003). A Comparison of Bioelectrical Impedance and Near-Infrared Interactence to Skinfold Measures in Determining Minimum Wrestling Weight in Collegiate Wrestlers. Journal of Exercise Physiology Online, vol. 6, 2.

Presentations

Moffit, J., & Castro, M. The effect of Q-Rings™ on peak power and economy of cycling. American College of Sports Medicine National Conference, Indianapolis, IN, June 2008.- Poster.

Moffit, J.K. The effect of ultra-endurance cycling relay racing on lower limb electromyographic activity. American College of Sports Medicine Southwest Chapter conference, Las Vegas, NV. November 2005. – Poster.

Brittany K. Sanchez, Ph.D.

Assistant Professor | Department of Kinesiology
California State University | Bakersfield, CA
661.654.3137 | bksanchez@csub.edu

EDUCATION

- **Texas A&M University - Ph.D., Kinesiology: Exercise Physiology** **2017**
  Dissertation: "The Influence of Metabolic Genotypes on Diet and Exercise Induced Weight Loss in Women"
- **University of Houston Clear Lake - M.S., Health and Human Performance** **2011**
  Thesis: "The Association Between Critical Velocity and Unilateral Stability in Distance Runners"
- **University of Houston - B.S., Exercise Science** **2005**
  Minor: Clinical Nutrition

RESEARCH GRANTS

- **Faculty TLC Professional Development Grant**, *CSUB ($500)* **2018**
- **(Proposed) Metabolic Effects between the Helix Lateral Trainer (PI)**, **2019**
  CSUB and HelixCo ($13,700)

EMPLOYMENT

- **Lecturer/Assistant Professor** **2017-present**
  Department of Kinesiology
  California State University - Bakersfield
- **Laboratory Floor Supervisor/Research Assistant** **2014-2017**
  Exercise and Sport Nutrition Laboratory – Human Clinical Research Facility
  Department of Health and Kinesiology
  Texas A&M University - College Station, TX

TEACHING EXPERIENCE

- **Assistant Professor/Lecturer** **2017-present**
  Department of Kinesiology, California State University, Bakersfield
  KINE 4150 – Clinical Exercise Physiology (Lecture)
  KINE 3320 – Motor Learning (Lecture and Lab)
  KINE 3120 – Nutrient Utilization in Sport and Health (Lecture)
  KINE 3118 – Epidemiology (Lecture)
  KINE 3040 – Exercise Physiology (Lecture and Lab)
  KINE 1018 – Lifetime Fitness (Lecture)

TECHNICAL RESEARCH PROFICIENCIES

- Genotyping/allelic discrimination (blood and buccal sampling assays, Spectrophotometry [Nanodrop], qPCR)
- Handheld glucose and lactate analyzers
- Bone densitometry (Dual Energy X-Ray Absorptiometry [DXA])
- Body Composition Assessment (Ultrasound [BodyMetrix], Hydrodensitrometry, Air displacement plethysmography, 7-site skinfolds)
- VO_2max and REE measurement via Indirect Calorimetry
- Cardiopulmonary/12-lead ECG Exercise Stress Test and Analysis (Treadmill Bruce Protocol and modified)
- Body Water Assessment (Bioelectrical Impedance Analysis [BIA])
- Spirometry (Handheld)
- Strength Testing (isotonic, isometric, isokinetic)
- Anaerobic Power Testing (via Tendo unit analysis and vertical jump)
- Anaerobic Power Capacity Testing (Wingate [cycle ergometer])
- Nutritional Analysis (ESHA SQL Nutritional Software)
- Statistical Data Analysis (IPA and SPSS Software)

JOURNAL PUBLICATIONS/ABSTRACTS

*First or second Author

1. Coletta, A. M., Sanchez, B., O'Connor, A., Dalton, R., Springer, S., Koozehchian, M. S., ... & Kreider, R. B. (2018). *Alignment of diet prescription to genotype does not promote greater weight loss success in women with obesity participating in an exercise and weight loss program*. **Obesity science & practice**, *4*(6), 554-574.

2. Sanchez B, W Amonette. *Locomotive Biomechanics Wearing a Simulated Life Support System During Varying Cognitive and Treadmill Grade Conditions*. **International Journal of Exercise Science**. 2:2,21, 2010.

3. Sanchez B, C Rasmussen, R Kreider. *Ergogenic Function of Pumpkin Seed Extract on Exercise Performance, Fatigue, and Biomarkers of Muscle Metabolism Following Physical Exertion*. **Vegetable and Fruit Improvement Center 20th Anniversary Conference**. College Station, TX. February 26, 2014.

4. Sanchez B, A Coletta, E Galvan, P Jung, R Dalton, K Levers, M Koozehchian, S Simbo, A O'Connor, A Reyes, S Springer, C Goodenough, M Cho, C Rasmussen, RB Kreider. *Influence of five obesity related gene SNPs on body composition and health markers in sedentary obese women.* **SEC Symposium on Obesity**. Atlanta, GA. September 21, 2014.

5. Sanchez B, A Coletta, E Galvan, R Dalton, A O'Connor, M Koozehchian, A Reyes, C Goodenough, M Cho, Y Jung, K Levers, S Simbo, S Springer, L Wilkins, C Rasmussen, R Kreider. *Influence of Metabolic Genotyping on Weight Loss and Body Composition in Women Participating in a 6 Month Diet and Exercise Program: Preliminary Findings.* **Experimental Biology Meeting.** April 1, 2015.

6. Coletta A, B Sanchez, A O'Connor, R Dalton, S Springer, M Koozehchian, YP Jung, S Simbo, M Cho, C Goodenough, A Reyes, R Sowinski, L Wilkins, C Rasmussen, RB Kreider. *Effects of matching diet type to obesity-related genotype on body composition changes in women during a six-month resistance-exercise training and walking program.* **Journal of the International Society of Sports Nutrition**. Austin, TX. June 12, 2015.

7. Jung YP, B Sanchez, R Kreider**.** *Gene and Sequence Variants in Weight Loss In Response to Diet and Exercise: Meta-Analysis.* **Experimental Biology Meeting.** San Diego, CA. April 6, 2016.

Brian D. Street, Ph.D

two-page Abridged Curriculum Vitae - March, 2019

Assistant Professor
Department of Kinesiology
California State University, Bakersfield
Bakersfield, California, 93311
Tel: 661.654.2551
Email: bstreet1@csub.edu
Webpage: https://sites.google.com/view/drstreetgaitlab/
Director, Gait and Posture Neuromechanics Laboratory
Science Building 1, 115

EDUCATION

Ph.D., Kinesiology (specialization in Biomechanics and Motor Control), York University, Toronto, Canada (supervisor: William H. Gage), 2014
MSc., Sports and Exercise Medicine, University of Exeter, Exeter, United Kingdom (supervisor: Roger Eston), 2009 **BSc.,**
Biomedical Science, Charles Darwin University, Darwin, Australia (BSc honours thesis supervisor: James Paul Finn), 2008

FACULTY APPOINTMENTS

California State University, Bakersfield

2014-present Tenured-track Assistant Professor, School of Social Sciences & Education, Department of Kinesiology, California State University, Bakersfield, California, USA

2017-present Adjunct Professor, Doctoral Program in Educational Leadership, School of Social Sciences & Education, California State University, Bakersfield, California, USA

ACADEMIC AWARDS and HONOURS

Abridged list shown below

2017, Fall, Faculty Teaching & Learning Center Teaching Innovation grant, ($300)
2017, Spring, Faculty Teaching & Learning Center Professional Development grant, ($500)
2016-2017 Millie Ablin Excellence in Teaching Award nominee
2016-2017 Research Excellence Award Recipient, GRaSP
2015-2016 Research Excellence Award Recipient, GRaSP
2014-2015 Research Excellence Award Recipient, GRaSP
2015, Spring, Faculty Teaching & Learning Center Professional Development grant, ($500)
2015, Fall, Faculty Teaching & Learning Center Professional Development grant, ($500)

PEER-REVIEWED PUBLICATIONS

6 Total Peer-reviewed Publication (2 representative publication shown below)

Street, B.D. & Gage, W.H. (2019). Younger Total Knee Replacement Patients Do Not Demonstrate Gait Asymmetry for Heel Strike Transient or Knee Joint Moments that is observed in Older Patients. Journal of Applied Biomechanics. Apr 1;35(2):140-148.

Street, B.D., Aktin A. & Gage, W.H. (2018). Reported Balance Confidence and Movement Reinvestment of Younger Knee Replacement Patients Are More like Younger Healthy Individuals, Than Older Patients. Gait & Posture. March;61:130-134.

GRANT SCHOLARSHIP

Awarded Grants (total awarded $66,267.90 – 2 representative awarded grants shown below)

RCU Mini-grant Award, 2018 ($3,597.50)
Project Title: *Metabolic Syndrome and Physical Activity Levels in Faculty and Staff Members in a University Setting*
Project position: Co-PI

RCU Mini-grant Award, 2018 ($3,802.00)
Project Title: *The Relationship between Spatiotemporal Gait Asymmetry and Fall Risk after unilateral lower-limb amputation* Project position: PI

*ABSTRACTS and CONFERENCES (*presenting author)*

46 Total Conference Proceedings (2 representative conferences shown below)

Street*, B.D., Cruz, A (2018). After Total Knee Replacement: Automatic Gait Abnormality Detection from Video. The GCMAS 2018 Gait & Clinical Movement Analysis Society Annual Conference. Indianapolis, IN, May 22-25.

Street*, B.D. (2017). After Total Knee Replacement Younger Patients are More Physically Active Compared to Older Patients. 2017 ISPGR World Congress. Fort Lauderdale, Florida, USA, June 25-29th.

STUDENT SUPERVISION and MENTORING

2 Doctoral students – chair of doctoral dissertation
3 Master students – committee member and advisor
40 Undergraduate students – research assistants

Jianyu "Eugene" Wang, Ph. D.
Department of Kinesiology
California State University, Bakersfield

Bakersfield, CA 93311

Office: (661) 654-3470
E-mail: jwang4@csub.edu

Education

2000 – 2003 Doctor of Philosophy
University of South Carolina
Concentration: Physical Education Teacher Education

1998-2000 Master of Arts
University of Northern Iowa
Concentration: Leisure Services-Youth/Human Services Administration

1986-1989 Master of Education
Guangzhou Institute of Physical Education
Concentration: Physical Education Teacher Education/Coaching

1978-1982 Bachelor of Education
Wuhan Institute of Physical Education
Concentration: Physical Education Teacher Education/Coaching

Professional Experience

2014 to present **Professor**
Department of Kinesiology, Californian State University, Bakersfield
Courses taught
• KINE 3010 Measurement and Evaluation in Kinesiology
• KINE 3340 Child and Adolescent Physical Activity and Health
• KINE 4240 Technique of Teaching Lifelong Physical Activity and Fitness
• KINE 4250 Physical Activity for Diverse Lifespan Populations

2009 to 2014 Associate Professor
2003 to 2009 Assistant Professor
Department of Physical Education and Kinesiology, Californian State University, Bakersfield

Publications

1. Chapters in Books

Garn, A., & **Wang, J.** (2016). Instructional Strategies. In D. Cothran & Keating X. D. (Ed.), *Learning for a Lifetime: Effective Secondary Physical Education Programs.* Educational Science Publishing House, Beijing, China.

Garn, A., & **Wang, J.** (2015). Chapter 9: Observing and analyzing teaching and learning. In Lee, A. M., Xiang, P., Pan, S., & Chen. S. (Eds.). (2015). *Moving and Learning: Elementary Physical Education for the Future*. Educational Science Publishing House, Beijing, China.

2. Selected Peer Refereed/Reviewed Articles

Wang, J., Liu, W., & Bian, W., (2013). Relationship between perceived and actual motor competence among college students. *Perceptual and Motor Skills, 116*, 272-279.

Wang, J. & Liu, W. (2012). Changes of learning to play badminton across student skill levels. *International Council for Health, Physical Education, Recreation, Sport, & Dance Journal of Research.* 7(2), 29-37.

Wang, J., Liu W, Bian, W., & Tan, J. (2010). Perceived motivators and constraints among regular players of pick-up basketball games. *Journal of Physical Education & Recreation (HK).* 16(2), 25-31.

Wang, J., Liu, W, & Moffit, J. (2010). What skills and tactics are needed to play pick-up basketball games? *International Council for Health, Physical Education, Recreation, Sport, & Dance Journal of Research.* 5(*2*), 51-57.

Wang, J., Bian, W., & Huang, A. (2010). Comparison of Contents of the textbooks for methods courses of physical education teacher education programs between China and United States. *Journal of Physical Education. 17*, 61-64. (In Chinese)

Wang, J., Castelli, D. Liu, W. Bian, W., & Tan, J. (2010). Re- conceptualizing physical education programs from an ecological perspective. *Asian Journal of Exercise and Sports Science.* 7, 43-53.

Wang, J., **Liu, W, & Moffit, J. (October, 2009). Skills and offensive tactics used in pick-up basketball games. *Perceptual and Motor Skills, 109,* 473-477.**

Wang, J., Liu, W, & Moffit, J. (August, 2009). Steps for arm and trunk actions of overhead forehand strokes used in badminton games across skill levels. *Perceptual and Motor Skills, 109,* 177-186.

Selected Scholarly Presentations

Wang, J. (2015). *Perceived competence in teaching physical education among classroom teachers.* Paper was presented at the annual meeting of the Society for Health and Physical Educators, Seattle, WA.

Wang, J. (2014). *Perceived competence and preference of lifelong activity among college students.* Paper presented at 2014 annual meeting of the American Alliance for Health, Physical Education, Recreation, and Dance, St. Louis, Mo.

Wang, J., Liu, W., & Bian, W., (2012). *Relationship between perceived and actual motor competence among college students.* Paper presented at 2012 annual meeting of the American Alliance for Health, Physical Education, Recreation, and Dance, Boston, MA.

Wang, J., Liu, W., Bian, W, & Yan, L. (2011).*Perceived competnce, motivation, and physcial actiity particpation among college students*. Paper presented at 2011 annual meeting of the American Alliance for Health, Physical Education, Recreation, and Dance, San Diego, CA.

Wang, J., Liu, W., & Bian, W. (2008). *Perception of motivators and constraints among players of pick-up basketball games.* Paper presented at 2008 International Convention on Science, Education and Medicine in Sport, Guangzhou, China.

Wang, J., & Liu, W. (2007). *Performance patterns of regular players of pickup basketball game.* Paper presented at the 2007 annual meeting of the American Alliance for Health, Physical Education, Recreation, and Dance, Baltimore, MD.

Grants

Wang, J. (2016). Teaching Innovation Grant, California State University, Bakersfield. $ 250.00.

Wang, J. (2012). Teaching Innovation Grant, California State University, Bakersfield. $ 300.00. Funded

Wang, J. (2008). *Perception of motivators and constraints among players of pick-up basketball games*. Professional Development Mini Grant, California State University, Bakersfield. $ 300.00. Funded

Wang, J., & D. Diboll (2005). *Performance patterns and competency of basketball game play among regular basketball players.* Research Council of the University, California State University, Bakersfield. $ 3,000.00. Funded

Honors and Awards

Faculty Honors Award in Research and Scholarship, School of Education, California State University, Bakersfield, 2008

Zachary Zenko, Ph.D., PAPHS

Abbreviated Curriculum Vitae
March 26th, 2019

Address:	Department of Kinesiology Mail Stop: 22 Education California State University, Bakersfield Bakersfield, CA 93311
Phone:	(661) 654-2799
E-mail:	zzenko@csub.edu

EDUCATION

2012-2016	**Iowa State University** (Ames, IA) Ph.D. in Kinesiology Certificates: Preparing Future Faculty Scholar; Center for the Integration of Research, Teaching and Learning Scholar
2011-2012	**University of Pittsburgh** (Pittsburgh, PA) M.S. in Health and Physical Activity
2008-2011	**Edinboro University of Pennsylvania** (Edinboro, PA) B.S. in Health and Physical Education Major: Human Performance Minor: Fitness Instruction / Personal Training

ACADEMIC EMPLOYMENT

2018-Current	**California State University, Bakersfield** (Bakersfield, CA) Assistant Professor Department of Kinesiology
2016-2018	**Duke University** (Durham, NC) Postdoctoral Associate Center for Advanced Hindsight
2012-2016	**Iowa State University** (Ames, IA) Graduate Assistant Department of Kinesiology
2011-2012	**University of Pittsburgh** (Pittsburgh, PA) Graduate Assistant Department of Health and Physical Activity

Selected Peer-Reviewed Publications

Abbreviated List: 12 publications total, 28 conference presentations

1. **Zenko, Z.**, & Ekkekakis, P. (2019). Internal consistency and validity of measures of automatic exercise associations. *Psychology of Sport and Exercise*, *43*, 4-15. doi:10.1016/j.psychsport.2018.12.005

2. Ekkekakis, P., **Zenko, Z.**, & Werstein, K. M. (2018). Exercise in obesity from the perspective of hedonic theory: A call for sweeping change in professional practice norms. In S. Razon & M. L. Sachs (Eds.), *Applied exercise psychology: The challenging journey from motivation to adherence* (pp. 289-315). New York: Routledge.

3. **Zenko, Z.**, O'Brien, J., Berman, C. J., & Ariely, D. (2017). Comparison of affect-regulated, self-regulated, and heart-rate regulated exercise prescriptions: Protocol for a randomized controlled trial. *Psychology of Sport and Exercise, 32*, 124-130. doi:10.1016/j.psychsport.2017.06.010

4. **Zenko, Z.**, Ekkekakis, P., & Kavetsos, G. (2016). Changing minds: Bounded rationality and heuristic processes in exercise-related judgments and choices. *Sport, Exercise, and Performance Psychology, 5*(4), 337-351. doi:10.1037/spy0000069

5. **Zenko, Z.**, Ekkekakis, P., & Ariely, D. (2016). Can you have your vigorous exercise and enjoy it too? Ramping intensity down increases postexercise, remembered, and forecasted pleasure. *Journal of Sport & Exercise Psychology, 38*(2), 149-159. doi:10.1123/jsep.2015-0286

Courses Taught

- Lifetime Fitness
- Psychology of Sport and Physical Activity
- Motor Growth and Development Across the Life Span
- Exercise Psychology
- Critical Appraisal Masterclass
- Exercise and Health: Behavior Change
- Physiology of Exercise
- Aerobic Cross-Country Running
- Weight Training
- Personal Fitness
- Body Sculpting

Selected Awards

- Blue Ribbon Teamwork Award (Duke University)
- Excellence in Research Award (Journal of Sport and Exercise Psychology)
- Outstanding Paper of the Year Award (Sport, Exercise, and Performance Psychology)
- Teaching Excellence Award (Iowa State University)
- Peer Teaching Award (Iowa State University
- Research funding (various, $14,038.00 total)

Appendix F. Library Report on Resources

CSU Bakersfield
Walter W. Stiern Library

Mail Stop: 60 LIB
9001 Stockdale Highway
Bakersfield, California 93311-1022

(661) 654-3172
(661) 654-3238 FAX
www.csub.edu/library

Apr. 11, 2019

To: Curt Asher, Dean of University Library
Kris Grappendorf, Chair of the Department of Kinesiology
CC: Amanda Grombly, Collection Development Librarian

From: Andrea Anderson, Kinesiology Librarian

Re: Report on Library Resources for the Master of Science in Kinesiology (MSK) Program Proposal

I have viewed the MSK program proposal provided by Kris Grappendorf, researched other resources provided to kinesiology graduate programs at San Jose State, Fresno State, and Sacramento State, and received updated statistics on library kinesiology resources from Amanda Grombly, Collection Development Librarian.

From viewing the areas of study and course descriptions within the proposal, it is my understanding that the MSK focus will be general kinesiology and not specialized areas, which would allow the Library's current sources and current budget to adequately meet the needs of the program. **The Library's current resources and budget will support the MSK program proposal.**

If any additional or future resources were requested, Kinesiology or the campus would have to commit to fully fund such resources. These might include annual journal subscription costs plus price increases generally ranging from 3 to 5 percent per year. The Library's ability to fund or support any additional or future resources would be dependent upon funds available and items would be reviewed individually for consideration. The Library can commit to purchasing book and print materials needed to support the program within the limits of the current budget.

A list of current library resources supporting kinesiology courses are provided.

CSU Bakersfield
Walter W. Stiern Library

Mail Stop: 60 LIB
9001 Stockdale Highway
Bakersfield, California 93311-1022

(661) 654-3172
(661) 654-3238 FAX
www.csub.edu/library

Current Stiern Library Resources as of Apr. 11, 2019

Kinesiology core databases and journal packages:

1. SPORTDiscus (EBSCOhost) – 670 full-text journals
2. Science Direct (Elsevier) - 4,078 journals
3. PsychINFO (EBSCOhost)
4. PsychArticles (EBSCOhost) – 100+ full-text journals
5. PubMed

Additional databases supporting the program:

6. Academic Search Complete (EBSCOhost)
7. Biological Abstracts (EBSCOhost)
8. CINAHL with full-text (EBSCOhost)
9. Dissertations & Theses (ProQuest)
10. Education Full Text (EBSCOhost)
11. Education Research Complete (EBSCOhost)
12. ERIC (EBSCOhost)
13. General Science Full Text (EBSCOhost)
14. JSTOR (journal archives)
15. Omnifile Full-text Mega (H.W. Wilson)
16. Sage Journals
17. SpringerLink

Active individual journal subscriptions in the areas of Kinesiology:

- International Journal of Kinesiology in Higher Education
- Journal for Physical Education and Recreation
- Journal of Sport History
- Journal of Sports Medicine and Physical Fitness
- Journal of Teaching in Physical Education
- Quest
- Research Quarterly for Exercise and Sport
- Sociology of Sport Journal
- The Journal of Orthopaedic and Sports Physical Therapy

Print & Electronic Books: 6599 (Covering LC ranges encompassed by kinesiology areas)

Appendix G. Report Campus Librarian

CSU Bakersfield
Walter W. Stiern Library
Office of the Dean

Mail Stop: 60 LIB
9001 Stockdale Highway
Bakersfield, California 93311-1022
(661) 654-3042
(661) 654-3238 FAX
www.csub.edu/library

MEMORANDUM

April 11, 2019

To: Chris Grappendorf, Chair, Department of Kinesiology
cc: Andrea Anderson, Librarian Liaison to Kinesiology; Amanda Grombly, Collection Development Librarian

From: Curt Asher, Dean of University Library CA

Re: Report on Library Resources for the Master of Science in Kinesiology Program Proposal

I have reviewed the report from Andrea Anderson, Library Instruction Coordinator and Liaison to the Kinesiology and Education, regarding current library resources supporting the Master of Science in Kinesiology (MSK) proposal. I agree with her assessment:

"The Library's current resources and budget will support the MSK kinesiology proposal. If any additional or future resources were requested, Kinesiology or the campus would have to commit to fully fund such resources. These might include annual journal subscription costs plus price increases generally ranging from 3 to 5 percent per year. The Library's ability to fund or support any additional or future resources would be reviewed individually for consideration. The Library can commit to purchasing book and print materials needed to support the program within the limits of the current budget."

Librorum et amici in locum illuminatio.

Appendix F. Cost Recovery Budget

PROJECTIONS - Masters in Kinesiology - 30 units

15% Attrition Rate

Total cost to students = $15,600 for 30units

	YR 1 - FY 17/18	YR 2 - FY 18/19	YR 3 - FY 19/20	YR 4 - FY 20/21	YR 5 - FY 21/22
Tuition per unit	**$ 520**	**$ 520**	**$ 520**	**$ 530**	**$ 530**
Cohort 1 Number of students	**20**	**17**			
Units Students take in FY	24	6			
Cohort 2		**20**	**17**		
Units Students take in FY		24	6		
Cohort 3			**20**	**17**	
Units Students take in FY			24	6	
Cohort 4				**20**	**17**
Units Students take in FY				24	6
Cohort 5					**20**
Units Students take in FY					24
Total Units	24	30	30	30	30
Total Number of Students	**20**	**37**	**37**	**37**	**37**
Revenue					
Tuition	$ 249,600	$ 302,640	$ 302,640	$ 308,460	$ 308,460
Other					
Total Revenue	$ 249,600	$ 302,640	$ 302,640	$ 308,460	$ 308,460
Direct Expenses					
Faculty/Staff					
Faculty Program Coordinator	$ 4,500	$ 4,500	$ 4,500	$ 4,500	$ 4,500
Faculty Program Coordinator Benefits	$ 113	$ 113	$ 113	$ 113	$ 113
FT Tenure Track Faculty	$ 64,914	$ 81,143	$ 81,143	$ 84,063	$ 84,063
FT Tenure Track Benefits	$ 909	$ 1,136	$ 1,136	$ 1,177	$ 1,177
Adjunct Faculty	$ -				
Adjunct Benefits	$ -				
Fieldplacement Coordinator	$ -	$ -	$ -	$ -	$ -
Fieldplacement Coordinator Benefits	$ -	$ -	$ -	$ -	$ -
Other					
Faculty Travel and per diem	$ -	$ -	$ -	$ -	$ -
Fieldplacement/Advising Travel and Per Diem	$ -	$ -	$ -	$ -	$ -
Facility Fee	$ -	$ -	$ -	$ -	$ -
Promotion, Advertising & Print	$ 10,000	$ 10,000	$ 10,000	$ 10,000	$ 10,000
Online Course Development Training	$ 24,000	$ 12,000	$ 2,000	$ 2,000	$ 2,000
IT/Technical Support (for online programs)	$ 2,000	$ 2,000	$ 2,000	$ 2,000	$ 2,000
Total Direct Expenses	**$ 106,436**	**$ 110,892**	**$ 100,892**	**$ 103,853**	**$ 103,853**
Operating Income/Margin					
Indirect Expenses/Cost Recovery					
CO Reimbursement @ x 2.5%	$ 6,240	$ 7,566	$ 7,566	$ 7,712	$ 7,712
Campus Reimbursement @ 10 %	$ 24,960	$ 30,264	$ 30,264	$ 30,846	$ 30,846
Extended Education Overhead @ 30% & 40%	$ 74,880	$ 90,792	$ 121,056	$ 123,384	$ 123,384
School Dept Revenue Share @ 8%	$ 19,968	$ 24,211	$ 24,211	$ 24,677	$ 24,677
Total Indirect Expenses	**$ 126,048**	**$ 152,833**	**$ 183,097**	**$ 186,618**	**$ 186,618**
Total All Expenses	**$ 232,484**	**$ 263,725**	**$ 283,989**	**$ 290,471**	**$ 290,471**
Net Gain/Loss	**$ 17,116**	**$ 38,915**	**$ 18,651**	**$ 17,989**	**$ 17,989**

Loss Carry Forward

*** Note: Some line items may not apply to all programs. Please adapt to program needs.**
Tuition and enrollment numbers are examples only.

***Note: Extended Education Overhead: years 1 & 2 @ 30%; year 3 and forward, 40%**