

**MICHIGAN STATE  
UNIVERSITY**

January 28, 2011

**MEMORANDUM**

TO: Dr. Douglas Estry, Associate Provost for Undergraduate Education  
and Dean of Undergraduate Studies

FROM: Dr. Linda O. Stanford, Associate Provost for Academic Services

RE: Request to Change the Requirements for the Bachelor of Science  
Degree in Kinesiology which Requires a Minimum Grade-Point Average  
of 2.00 in Selected Courses in the Degree

For Transmittal to the University Committee on Academic Policy UCAP)

The request referenced above is being sent to the University Committee on Academic Policy (UCAP) in accordance with the *Bylaws for Academic Governance*, 4.4.

UCAP Response Requested:

Please ask the UCAP to consider the request referenced above and provide consultative commentary prior to the March 3, 2011 Full Committee, UCC meeting. Please mail the related materials referenced under the heading Attachments at the end of this memorandum to the UCAP members.

The academic program and course requests referenced above will be included on the agenda for the February 10, 2011 meeting of Subcommittee C, University Committee on Curriculum (UCC). Requests that are approved by Subcommittee C on February 10 will be before the Full Committee, UCC, for action on March 3, 2011. Requests that are approved by the Full Committee on March 3 will be included in the March 22, 2011, Report of the UCC to the Academic Council.

If you have any questions, please call Joy Speas, University Curriculum Administrator, at 5-8420.

Thank you.

Attachments:

1. Request for Changes in an Academic Program form dated November 16, 2010: Bachelor of Science Degree in Kinesiology and attachments.

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**University  
Curriculum and  
Catalog**

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## COLLEGE OF EDUCATION

1. Request to change the requirements for the **Bachelor of Science** degree in **Kinesiology** in the Department of Kinesiology. The University Committee on Academic Policy (UCAP) will consider this request.
  - a. Under the heading **Requirements for the Bachelor of Science Degree in Kinesiology** make the following changes in item 2. a.:
    - (1) Change item 1., paragraph two to the following:
 

Students enrolled in the Kinesiology major leading to the Bachelor of Science degree in the Department of Kinesiology may complete an alternative track to Integrative Studies in Biological and Physical Sciences that consists of the following courses: Chemistry 141 and 161, Physics 231 and 251, and Physiology 250. The completion of Chemistry 161 and Physics 251 satisfies the laboratory requirement. Chemistry 141 and 151, Physics 231 and 251, and Physiology 250 may be counted toward both the alternative track and the requirements for the major referenced in item 2. a. below.
    - (2) Change item 1., paragraph two to the following:
 

The University's Tier II writing requirement for the Kinesiology major is met by completing Kinesiology 345 or 445. Those courses are referenced in item 2. d. below.
    - (3) In item 2. b. make the following changes:
      - (a) Change the total credits from '27' to '15'.
      - (b) Delete the following courses:
 

KIN	125	First Aid and Personal Safety	3
KIN	170	Foundations of Kinesiology	2
KIN	217	Applied Human Anatomy Laboratory	1
KIN	260	Physical Growth and Motor Behavior	3
KIN	330	Structural and Mechanical Analysis of Physical Activity	3
KIN	340	Psychological Bases of Physical Activity	3
KIN	445	Sociocultural Analysis of Physical Activity (W)	3
KIN	465	Adapted Physical Activity	3

Add the following courses:

KIN	173	Foundations of Kinesiology	3
KIN	330	Biomechanics of Physical Activity	3
    - (4) Delete item 2. d.
    - (5) Add the following new item 2. d.:
 

One of the following courses (3 credits):

KIN	345	Sport and Exercise Psychology (W)	3
KIN	445	Sociocultural Analysis of Physical Activity (W)	3
    - (6) Add the following item 2. e.:
 

One of the following courses (3 credits):

KIN	360	Physical Growth and Motor Behavior	3
KIN	365	Sensorimotor Control	3
    - (7) Add the following item 2. f.:
 

Completion of an approved cognate in kinesiology (a minimum of 12 credits)	12
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(8) Add the following item 2. g.:

Internship. The internship experience must be approved by the KIN Internship Coordinator (a minimum of 3 credits) 3

One of the following courses (3 to 6 credits):

KIN 492 Internship: Non-Physiologically Based 3 to 6

KIN 493 Internship 3 to 6

Kinesiology 492 is designed for seniors who have completed one of the following cognates: Adapted Physical Activity, Administration, Biomechanics, Communication, growth and Motor Development, Orthotics and Prosthetics, or Psychological Aspects.

Kinesiology 493 is designed for seniors who have completed one of the following cognates: Cardiac Rehabilitation, Exercise Physiology, Fitness Leadership, Nutrition, or Pre-professional.

Effective Fall 2011.

<b>View a Program</b>		<b>Main Menu</b>
Joy Speas, RO	Wednesday, 11/17/2010	
<b>Program Name: Kinesiology</b> <b>Degree: BS Sequence Number: 3</b>	Program Request ID: 1877	
<b>Effective Dates: Fall 2011 - Open Status: Interim Initial Action: Change</b>		
<b>Requested Date: 11/12/2010 8:56:59 AM</b>		
<p><b>1. Department/School/College:</b> 14394 .... Department of Kinesiology</p> <p><b>2. Name of Program:</b> Kinesiology</p> <p><b>3. Name of Degree:</b> BS</p> <p><b>4. Type of Program:</b> Prev: TE Major New: Major</p> <p><b>5. Effective Start Semester:</b> Fall 2011</p> <p><b>6. Target student audience for the program:</b> Kinesiology and Athletic Training majors</p> <p><b>7. Enrollment:</b> <b>What is the expected enrollment per year:</b> 900 <b>What is the minimum enrollment acceptable:</b> Prev: 13 New: 300</p> <p><b>8. Source of budget for the program:</b> To align academic planning and curricular change, ALL requests for NEW funds must be included in the College's annual planning letter. Provost approval of new funds and the effective date for the new program must align. If funding is not approved, then the program request will not be forwarded to Academic Council.  Internal reallocation  If new funds, was this request included in the College's annual planning letter? Indicate yes or no. If no, then this is a department or college fund reallocation (If the program is implemented, no additional resources are required.). no additional funds are being requested.</p> <p><b>9. Projected Costs as compared to other programs in unit:</b> Same</p> <p><b>10. Staff requirement:</b></p>		

How many additional staff will be required: 0

Who will provide the primary instruction. Describe any external linkages(industry, government, etc.):

Kinesiology and Athletic Training faculty.

**11. Will additional equipment be required:**

Approximate cost: 0

Source of funding:

**12. Will additional library materials be required:**

Approximate cost: 0

Source of funding: no additional funding requested

**13. Will additional space be required:**

Type:

Approximate amount:

**14. If the program requirements contain a named concentration, do you wish for the concentration to be noted on the student's transcript?:**

No

**15. Detailed Description:**

Rationale: The KIN Undergraduate Studies and Curriculum Committee was given the task of streamlining the undergraduate curriculum and allowing students more choices within the major. The KIN and AT faculty approved the suggested changes. In reviewing the curriculum, KIN 370 had not been offered in a number of semesters. Upon closer investigation, KIN 170 and KIN 370 were found to overlap. We merged and added content to create a new KIN 173 Foundations course. KIN125 is no longer a required course for the Kinesiology major. In KIN 125, First Aid and Personal Safety certification is stressed as an important certification for our students to have, but they can obtain certification through the Red Cross. It was reported that most of the students taking the class did not opt for this certification as part of the class. KIN 217 Cadaver lab has always been a bottleneck course and was required for KIN 330 (Biomechanics – new name to better reflect content). KIN 217 will now be required in several of our cognates, including Pre-Professional, and was dropped as a prerequisite from KIN 330. Dropping the prerequisite requirement for KIN 330 and adding it as a requirement in several of the cognate areas will allow a better ratio of students to cadavers and instructors, will reduce the number of students allowed in the limited laboratory space, and will allow students to take KIN 330 as a junior or senior. Most students were taking KIN 330 as seniors. KIN 260 Physical Growth and Motor Development faculty requested that KIN 216 be a prerequisite, and to restrict it to juniors and seniors. These decisions, required that the course number be elevated to a junior level class, KIN 360. A new course KIN 365 Sensorimotor Control was developed, and incorporates the motor learning aspects that were covered in KIN 340 (Psychological Aspects of Physical Activity). A choice now exists between KIN 360 or KIN 365 for the students, as these two courses more accurately align. KIN 345, Sport and Exercise Psychology, was developed to reflect the changes made when the motor learning aspects were moved to KIN 365. Additionally, KIN 345 was identified as a Tier II writing course. KIN majors may now choose either KIN 345 or KIN 445 as their Tier II writing course, allowing them to complete the Tier II writing course as a junior if they so choose. We also believe that students should have the option of exposure to an undergraduate research methods class to better prepare them for graduate school. Although not required of all majors, KIN 371 Introduction to Research Methods in Kinesiology, will be required in several of the cognate areas identified as producing the greatest number of students who wish to attend graduate/professional schools. KIN 371 is open to any KIN or AT major, at the junior or senior level. KIN 411 Laboratory Experiences in Exercise Physiology was required of all majors, and became another bottleneck due to the number of students the lab could accommodate at any one time. This problem required additional sections be added to the schedule, requiring GA time and cost. We felt that not all our students needed this information. KIN 411 was removed from the list of required courses, and placed as a requirement in cognate areas typically associated with physiological testing of patients and clients. This change required that we absolutely control the internship experience that the

student could have, for liability reasons. Hence, KIN 492 Internship: non-physiologically based, was developed and added as a culminating experience for seniors who had completed a cognate in: Adaptive Physical Activity, Administration, Biomechanics, Communication, Growth & Motor Development, Orthotics & Prosthetics, or Psychological Aspects. KIN 493 Internship: physiologically based, continues to require KIN 411 as a prerequisite, and was modified to be the culminating experience for seniors who had completed a cognate in: Cardiac Rehabilitation, Exercise Physiology, Fitness Leadership, Nutrition, or Pre-Professional.

Current Kinesiology	Proposed Kinesiology
<p>The major in kinesiology places emphasis on the attainment of disciplinary knowledge in the anatomical, biomechanical, developmental, physiological, and sociological aspects of physical activity, explores how physical activity relates to human well-being, and offers an area of emphasis in exercise science.</p> <p>The bachelor's degree program in kinesiology is designed to prepare students to enter a variety of fields associated with sport, exercise science, and allied health services. Students who graduate from this program often enter professional exercise science programs or graduate studies in kinesiology.</p>	<p>The major in kinesiology places emphasis on the attainment of disciplinary knowledge in the anatomical, biomechanical, developmental, physiological, and <del>sociological</del> <u>neurological</u> aspects of physical activity, explores how physical activity relates to human well-being, and offers an area of emphasis in exercise science.</p> <p>The bachelor's degree program in kinesiology is designed to prepare students to enter a variety of fields associated with sport, exercise science, and allied health services. Students who graduate from this program often enter professional exercise science programs or graduate studies in kinesiology.</p>
<p><b>Admission as a Junior</b></p> <p>Admission to the major requires completion of at least 56 credits acceptable to the College with a cumulative university grade-point average of 2.0 or above and a minimum grade of 2.00 in each of the following courses: Chemistry 141, Kinesiology 216, Mathematics 103, Physics and Astronomy 231, and Physiology 250.</p> <p><b>Requirements for the Bachelor of Science Degree in Kinesiology</b></p> <ol style="list-style-type: none"> <li>The University requirements for bachelor's degrees as described in the <i>Undergraduate Education</i> section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Science degree in Kinesiology. Students must take Mathematics 103 and 114 or Mathematics 116 to fulfill the math requirement of the University.</li> </ol> <p>Students who are enrolled in the Kinesiology major leading to the Bachelor of Science degree in the Department of Kinesiology may complete an alternative track to Integrative Studies in Biological and Physical Sciences that consists of the following courses: Chemistry 141 and 161, Physics 231 and 251, and Physiology 250. The completion of Chemistry 161, Physics 251, and Physiology 250 satisfies the laboratory requirement. Chemistry 141 and 161, Physics 231 and 251, and Physiology 250 may be counted toward both the alternative track and the requirements for the major referenced in</p>	<p><b>Admission as a Junior</b></p> <p>Admission to the major requires completion of at least 56 credits acceptable to the College with a cumulative university grade-point average of 2.0 or above and a minimum grade of 2.00 in each of the following courses: Chemistry 141, Kinesiology 216, Mathematics 103, Physics <del>and Astronomy</del> 231, and Physiology 250.</p> <p><b>Requirements for the Bachelor of Science Degree in Kinesiology</b></p> <ol style="list-style-type: none"> <li>The University requirements for bachelor's degrees as described in the <i>Undergraduate Education</i> section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Science degree in Kinesiology. Students must take Mathematics 103 and 114 or Mathematics 116 to fulfill the math requirement of the University.</li> </ol> <p>Students <del>who are</del> enrolled in the Kinesiology major leading to the Bachelor of Science degree in the Department of Kinesiology may complete an alternative track to Integrative Studies in Biological and Physical Sciences that consists of the following courses: Chemistry 141 and 161, Physics 231 and 251, and Physiology 250. The completion of Chemistry 161, <u>and</u> Physics 251, <del>and Physiology 250</del> satisfies the laboratory requirement. Chemistry 141 and 161, Physics 231 and 251, and Physiology 250 may be counted toward both the alternative track and the requirements for the major referenced in</p>

item 2.a. below.

The University's Tier II writing requirement for the Kinesiology major is met by completing Kinesiology 445. That course is referenced in item 2.a. below.

2. The following requirements for the major:

- a. All of the following with a minimum grade of 2.0 in each course (17 credits):
  - CEM 141 General Chemistry 4
  - KIN 216 Applied Human Anatomy 3
  - MTH 103 College Algebra 3
  - PHY 231 Introductory Physics I 3
  - PSL 250 Introductory Physiology 4
- b. All of the following courses with a minimum grade-point average of 2.0 (27 credits):
  - KIN 121 The Healthy Lifestyle 3
  - KIN 125 First Aid and Personal Safety 3
  - KIN 170 Foundations of Kinesiology 2
  - KIN 217 Applied Human Anatomy Laboratory 1
  - KIN 260 Physical Growth and Motor Behavior 3
  - KIN 310 Physiological Bases of Physical Activity 3
  - KIN 330 Structural and Mechanical Analysis of Physical Activity 3
  - KIN 340 Psychological Bases of Physical Activity 3
  - KIN 445 Sociocultural Analysis of Physical Activity (W) 3
  - KIN 465 Adapted Physical Activity 3
- c. Both of the following courses (2 credits):
  - CEM 161 Chemistry Laboratory I 1
  - PHY 251 Introductory Physics Laboratory I 1
- d. The following area of emphasis:
  - Exercise Science**
    - 1. All of the following courses (7 credits):
      - KIN 250 Measurement in Kinesiology 3
      - KIN 370 Proseminar in Kinesiology 2
      - KIN 411 Laboratory Experiences in Exercise Physiology 2
    - 2. Completion of an approved cognate in kinesiology (a minimum of 12 credits).
    - 3. Internship. The internship

item 2.a. below.

The University's Tier II writing requirement for the Kinesiology major is met by completing either Kinesiology 345 or Kinesiology 445. That course is Those courses are referenced in item 2.a. d. below.

2. The following requirements for the major:

- a. All of the following with a minimum grade of 2.0 in each course (17 credits):
  - CEM 141 General Chemistry 4
  - KIN 216 Applied Human Anatomy 3
  - MTH 103 College Algebra 3
  - PHY 231 Introductory Physics I 3
  - PSL 250 Introductory Physiology 4
- b. All of the following courses with a minimum grade-point average of 2.0 (27 ~~15~~ credits):
  - KIN 121 The Healthy Lifestyle 3
  - KIN 125 First Aid and Personal Safety 3
  - KIN 170 Foundations of Kinesiology 2
  - KIN 173 Foundations of Kinesiology** 3
  - KIN 217 Applied Human Anatomy Laboratory 1
  - KIN 260 Physical Growth and Motor Behavior 3
  - KIN 250 Measurement in Kinesiology** 3
  - KIN 310 Physiological Bases of Physical Activity 3
  - KIN 330 ~~Structural and Mechanical Analysis of Physical Activity~~ **Biomechanics of Physical Activity** 3
  - KIN 340 Psychological Bases of Physical Activity 3
  - KIN 445 Sociocultural Analysis of Physical Activity (W) 3
  - KIN 465 Adapted Physical Activity 3
- c. Both of the following courses (2 credits):
  - CEM 161 Chemistry Laboratory I 1
  - PHY 251 Introductory Physics Laboratory I 1
- d. One of each pair of the following courses. (6 credits)**
  - KIN 360 Physical Growth and Motor Behavior** 3
  - or -
  - KIN 365 Sensorimotor Control** 3
  - and -
  - KIN 345 Psychological Bases of Physical Activity (W)** 3
  - or -
  - KIN 445 Sociocultural Analysis of Physical Activity (W) 3
- d. The following area of emphasis:
  -
- e. The following two requirements: (15 credit minimum)**

experience must be approved by the KIN Internship Coordinator (a minimum of 3 credits)  
KIN 493 Internship 3

<b>- Exercise Science</b>		
± All of the following courses (7 credits):		
KIN 250	Measurement in Kinesiology	3
KIN 370	Proseminar in Kinesiology	2
KIN 411	Laboratory Experiences in Exercise Physiology	2
±	e. Completion of an approved cognate* in kinesiology (a minimum of 12 credits).	
±	f. <u>Internship*</u> . (3-6 credits) The internship experience must be approved by the KIN Internship Coordinator. <b><i>KIN 492 is designed for seniors who have completed one of the following cognates: Adapted Physical Activity, Administration, Biomechanics, Communication, Growth &amp; Motor Development, Orthotics &amp; Prosthetics, or Psychological Aspects. KIN 493 is designed for seniors who have completed one of the following cognates: Cardiac Rehabilitation, Exercise Physiology, Fitness Leadership, Nutrition, or Pre-professional.</i></b>	
-	<b><i>KIN 492 Internship: non-physio based</i></b>	<b><u>3-6</u></b>
	KIN 493 Internship	<b><u>3-6</u></b>

**16. Are there admissions requirements for this program?:**

Grade or grade-point average requirements and if so in which course(s), portfolio requirement, audition, essay, etc. If there are not admission requirements other than those required by the University policy indicate "none".

Admission requirements for the program have not changed.

**17. Type(s) of change(s):**

KIN Majors: The number of credits required for the program; from 68 to 55-58. The difference in totals depends on the number of credits taken for internship (3-6). Specific changes are identified in item #15. Athletic Training majors: These changes affected the AT program and please see changes to AT program under separate form.

**18. Students who will be affected by the proposed changes:**

KIN and AT majors and transfer students.

**19. Will the proposed change(s) have a negative impact on students? If so, which ones?:**

Transfer students.

Describe impact and explain what accommodations will be made: Transfer students may be neg afftd 2 yrs, if crs taken elsewhere.

**20. Reason(s) for change(s):**

In the interest of streamlining and offering choices within the curriculum, the Faculty of KIN agreed on the changes detailed in #15 above.



**DEPARTMENT LEVEL APPROVAL STATUS**

Approved: Department of Kinesiology  
11/16/2010 1:38:54 PM by Verna Lyon for Deborah Feltz, Chairperson

**COLLEGE LEVEL APPROVAL STATUS**

Approved: College of Education  
11/16/2010 1:39:18 PM by Jodi Potter for Michael Sedlak, Associate Dean

**KINESIOLOGY**

The major in kinesiology places emphasis on the attainment of disciplinary knowledge in the anatomical, biomechanical, developmental, physiological, and ~~sociological~~ neurological aspects of physical activity, explores how physical activity relates to human well-being, and offers an area of emphasis in exercise science.

The bachelor's degree program in kinesiology is designed to prepare students to enter a variety of fields associated with sport, exercise science, and allied health services. Students who graduate from this program often enter professional exercise science programs or graduate studies in kinesiology.

**Admission as a Junior**

Admission to the major requires completion of at least 56 credits acceptable to the College with a cumulative university grade-point average of 2.0 or above and a minimum grade of 2.0 in each of the following courses: Chemistry 141, Kinesiology 216, Mathematics 103, Physics ~~and Astronomy~~ 231, and Physiology 250.

**Requirements for the Bachelor of Science Degree in Kinesiology**

1. The University requirements for bachelor's degrees as described in the *Undergraduate Education* section of this catalog; 120 credits, including general elective credits, are required for the Bachelor of Science degree in Kinesiology. Students must take Mathematics 103 and 114 or Mathematics 116 to fulfill the math requirement of the University. Students ~~who are~~ enrolled in the Kinesiology major leading to the Bachelor of Science degree in the Department of Kinesiology may complete an alternative track to Integrative Studies in Biological and Physical Sciences that consists of the following courses: Chemistry 141 and 161, Physics 231 and 251, and Physiology 250. The completion of Chemistry 161, Physics 251 and Physiology 250 satisfies the laboratory requirement. Chemistry 141 and 161, Physics 231 and 251, and Physiology 250 may be counted toward both the alternative track and the requirements for the major referenced in item 2.a. below.

The University's Tier II writing requirement for the Kinesiology major is met by completing Kinesiology ~~445~~ 445. ~~That course is referenced in item 2.a. below.~~ 345 or

2. The following requirements for the major:

a. All of the following with a minimum grade of 2.0 in each course: . . . 17

CEM 141	General Chemistry	4
KIN 216	Applied Human Anatomy	3
MTH 103	College Algebra	3
PHY 231	Introductory Physics I	3
PSL 250	Introductory Physiology	4

b. All of the following courses with a minimum grade-point average of 2.0: . . . 27-15

KIN 121	The Healthy Lifestyle	3
KIN 125	First Aid and Personal Safety	0
KIN 120	Foundations of Kinesiology	2
KIN 217	Applied Human Anatomy Laboratory	1
KIN 260	Physical Growth and Motor Behavior	3
KIN 310	Physiological Bases of Physical Activity	3
KIN 330	Structural and Mechanical Analysis of Physical Activity	3
KIN 340	Psychological Bases of Physical Activity	3
KIN 445	Sociocultural Analysis of Physical Activity (W)	3
KIN 486	Adapted Physical Activity	3

Biomechanics

c. Both of the following courses: . . . 2

CEM 161	Chemistry Laboratory I	1
PHY 251	Introductory Physics Laboratory I	1

Insert ①

d. The following area of emphasis: . . . 0

~~Exercise Science~~

1. All of the following courses: . . . 7

KIN 250	Measurement in Kinesiology	3
KIN 370	Proseminar in Kinesiology	2
KIN 411	Laboratory Experiences in Exercise Physiology	2

f. 2 Completion of an approved cognate in kinesiology (a minimum of 12 credits). . . . 12

g. 3 Internship. The internship experience must be approved by the KIN Internship Coordinator (a minimum of 3 credits). . . . 3

KIN 493	Internship	3
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Insert ②

Insert ①

d. One of the following courses (3 credits):

KIN	345	Sport and Exercise Psychology (W)	3	
KIN	445	Sociocultural Analysis of Physical Activity (W)		3

e. One of the following courses (3 credits):

KIN	360	Physical Growth and Motor Behavior		3
KIN	365	Sensorimotor Control		3

Insert ②

One of the following courses (3 to 6 credits):

KIN	492	Internship: Non-Physiologically Based		3 to 6
KIN	493	Internship		3 to 6

Kinesiology 492 is designed for seniors who have completed one of the following cognates:

Adapted Physical Activity, Administration, Biomechanics, Communication, growth and Motor Development, Orthotics and Prosthetics, or Psychological Aspects.

Kinesiology 493 is designed for seniors who have completed one of the following cognates:

Cardiac Rehabilitation, Exercise Physiology, Fitness Leadership, Nutrition, or Pre-professional.