

TEXAS HIGHER EDUCATION COORDINATING BOARD
Summary Notes/Minutes
Health Services Field of Study Advisory Committee Meeting
1200 East Anderson Lane, Board Room
Austin, Texas
September 16, 2019, 1:00 AM – 5:00 PM

The webcast of this meeting is available at the following link:
<https://www.youtube.com/watch?v=PpGq3CLe9Mw>

Day 1: May 2, 2019, 1:00 PM - 5:00 PM

1. Call to order and introductions

Allen Michie called the meeting to order at 1:00 PM.

The following committee members were present:
Veronica Dominguez, El Paso Community College-Rio Grande Campus
David Falleur, Texas State University
Jimi Francis, The University of Texas at Tyler
Peter Hu, The University of Texas M.D. Anderson Cancer Center
LeAnne Hutson, Tarleton State University
Don Martin, El Centro College
Alexander Okwonna, San Jacinto College-South Campus
Rhonda Rahn, Texas A&M University
Michele Voight, Houston Community College
Lorraine Torres, The University of Texas at El Paso

The following committee members were absent:
Vanessa Coonrod, Del Mar College-West Campus
Kristi Kleinig, Kilgore College
Nina Maniotis, Weatherford College
Mary Jean Sparks, Texas A&M University-Corpus Christi

Coordinating Board Staff present:
Allen Michie, Program Director

2. Consideration of Meeting Notes for the May 2-3, 2019 meeting

The meeting notes were approved unanimously.

3. Discussion and consideration of potential modifications based on public comments on the proposed Health Services Field of Study

Discussion began with public comments (in italics) about the Radiological Sciences track.

Texas State University: Remove Anatomy & Physiology II from the Radiological Sciences track

A motion was made to remove Anatomy & Physiology II from the Radiological Sciences track. The motion failed, 0-9.

Texas State University: Remove General Chemistry II from the Radiological Sciences track

A motion was made to remove General Chemistry II from the Radiological Sciences track. The motion carried, 10-0.

Texas State University: Remove General Physics II from the Radiological Sciences track

A motion was made to remove General Physics II from the Radiological Sciences track. The motion carried 9-1.

Texas State University: Add Biology II to the Radiological Sciences track

The committee discussed whether Biology II was a prerequisite for other courses in the Field of Study (FOS). The consensus was that it varies across institutions.

A motion was made NOT to include Biology II and the Radiological Sciences. The motion carried, 10-0.

A motion was made to accept this as the proposed Radiological Sciences track:

Course Title	Course Number	SCH
Pre-Calculus Math	MATH 2312	3
Choose one of the following: I. Anatomy & Physiology I (lecture + lab) II: A. Anatomy & Physiology I (lecture) B. Anatomy & Physiology I (lab)	I. BIOL 2401 II: A. BIOL 2301 B. BIOL 2101	4
Choose one of the following: I. Anatomy & Physiology II (lecture + lab) II: A. Anatomy & Physiology II (lecture) B. Anatomy & Physiology II (lab)	I. BIOL 2402 II: A. BIOL 2302 B. BIOL 2102	4
General Psychology	PSYC 2301	3
Choose one of the following: I. General Chemistry I (lecture + lab) II: A. General Chemistry I (lecture) B. General Chemistry I (lab)	I: CHEM 1411 II: A. CHEM 1311 B. CHEM 1111	4

Choose one of the following: I. College Physics I (lecture + lab) II: A. College Physics I (lecture) B. College Physics I (lab)	I: PHYS 1401 II: A. PHYS 1301 B. PHYS 1101	4
TOTAL		22

The motion carried, 10-0.

The committee then discussed the public comments about the General Academic Track.

The University of Texas at San Antonio: Remove General Psychology (PSYC 2301) from the General/Academic Track

Martin suggested adding Introduction to Sociology to fill the Social Sciences option of the core curriculum. Hu and Hutson proposed giving students a choice of one or the other.

A motion was made to remove Psychology from the General Academic track. The motion failed 8-2. A motion was then made to add Introduction to Sociology as an option alongside General Psychology. The motion carried, 10-0.

Texas State University: Add Microbiology to the Clinical Lab Sciences and General/Academic track; The University of Texas at Dallas: Add additional science courses to the General/Academic Track

The committee discussed whether Microbiology is needed as a prerequisite to other courses. Martin said that students follow a wide variety of careers, so if Microbiology is specified, it would have to be clear if it is for science majors or non-science majors. Hu agreed that Microbiology would be more for general knowledge than for career application. Okwonna said that some of the course content would be covered in General Biology I and II.

A motion was made to include Microbiology to the Clinical Lab Sciences track. The motion carried, 6-4. A motion was made to add additional science to the General Academic track. It carried, 7-3.

The University of Texas at Dallas: Add a new ACGM course in Career Explorations in Health Care and add it to the General track

Martin said this course would help students who go into Nursing programs not knowing what else they could do. The course would help students learn how subject areas fit with what they want to do. Michie pointed out that only two universities offer a comparable course, and one of them is 1 semester credit hour (SCH). A motion to create a new *Lower-Division Academic Course Guide Manual* (ACGM) course in Career Explorations in Health Care failed, 0-10.

The University of Texas at Dallas: Add Calculus to the General Academic track

A motion to add Calculus to the General Academic track failed, 0-10.

The University of Texas at Dallas: Require General Chemistry II in the General track

A motion was made to add General Chemistry II to the General Academic track. The motion failed, 0-10.

Texas State University: Add a computer course to the General Academic track

A motion was made to add a computer course to the General Academic track. The motion failed, 0-10.

Texas State University: Add an Economics course to General Academic track

Torres asked if the course could be a choice alongside Psychology and Sociology in the Social Science part of the core. Falleur said there are different tracks to different careers, so Economics could be an option for students taking a more managerial track. Hu proposed requiring it rather than making it a choice so students will have to address both the people and the finance parts of Health Services careers.

A motion was made to add Economics to the General Academic track. The motion failed, 3-7.

Texas A&M University: Create a course in Medical Terminology for the ACGM and add it to the General/Academic track, Informatics and Health Information Management track, and the Clinical Lab Sciences track

Francis said that at some institutions this is a 1 SCH course, and the content could be better incorporated into existing courses. Michie pointed out that 18 institutions offer a comparable course at the lower division, and 21 offer it at the upper division, with variations in SCH.

A motion was made to create a course in Medical Terminology for the ACGM and add it to the General/Academic track. The motion failed, 1-8.

Texas State University: Add Nutrition and Diet Therapy (BIOL 1322) to the General/Academic track

A motion was made to add Nutrition and Diet Therapy (BIOL 1322) to the General/Academic track. The motion failed, 0-10.

Texas State University: Add Physics to the General Academic track

A motion was made to add Physics to the General Academic track. The motion failed, 0-10.

The committee discussed adding English Composition I, II, and College Algebra to the General Academic track. Michie explained that the FOS should not include courses that can reasonably be expected to be covered when most students begin college.

A motion was made to remove Composition I and Composition II from the General Academic track. The motion carried, 10-0.

There was no motion to remove College Algebra from the General Academic track.

A motion was made to accept this as the proposed General Academic track:

Course Title	Course Number	SCH
College Algebra	MATH 1314	3
Choose one of the following: I. Biology for Science Majors I (lecture + lab) II: A. Biology for Science Majors I (lecture) B. Biology for Science Majors I (lab)	I. BIOL 1406 II: a. BIOL 1306 b. BIOL 1106	4
Choose one of the following: I. Biology for Science Majors II (lecture + lab) II: A. Biology for Science Majors II (lecture) B. Biology for Science Majors II (lab)	I. BIOL 1407 II: a. BIOL 1307 b. BIOL 1107	4
General Psychology	PSYC 2301	3
Choose one of the following: I: A: General Chemistry I (lecture + lab) B: 1. General Chemistry I (lecture) 2. General Chemistry I (lab) II: A. Introductory Chemistry I (lecture + lab) B: 1. Introductory Chemistry I (lecture) 2. Introductory Chemistry I (lab)	I: A. CHEM 1411 B: 1. CHEM 1311 2. CHEM 1111 II: A. CHEM 1406 B: 1. CHEM 1305 2. CHEM 1105	4
Choose one of the following: I. Anatomy & Physiology I (lecture + lab) II: A. Anatomy & Physiology I (lecture) B. Anatomy & Physiology I (lab)	I. BIOL 2401 II: A. BIOL 2301 B. BIOL 2101	4

Choose one of the following: I: A. Microbiology for Non-Science Majors (lecture + lab) B: 1. Microbiology for Non-Science Majors (lecture) 2. Microbiology for Non-Science Majors (lab) II: A. Microbiology for Science Majors (lecture + lab) B: 1. Microbiology for Science Majors (lecture) 2. Microbiology for Science Majors (lab)	I: A. BIOL 2420 B: 1. BIOL 2320 2. BIOL 2120 II: A. BIOL 2421 B: 1. BIOL 2321 2. BIOL 2121	4
TOTAL		26

The motion carried, 10-0.

The committee discussed the public comments about the Clinical Lab Science track.

The University of Texas at Austin: Add Calculus I and II to the Clinical Lab Science track

A motion was made to add Calculus I and II to the Clinical Lab Science track. The motion failed, 0-10.

The University of Texas at Austin: Add one or more Statistics courses to the Clinical Lab Science track

A motion was made to add one or more Statistics courses to the Clinical Lab Science track. The motion failed, 0-10.

The University of Texas at Austin: Require Organic Chemistry II in the Clinical Lab Science track

A motion was made to require Organic Chemistry II in the Clinical Lab Science track. The motion failed, 0-10.

Texas State University: Remove Biology for Science Majors II from the Clinical Lab Sciences track

A motion was made to remove Biology for Science Majors II from the Clinical Lab Sciences track. The motion failed, 0-10.

The University of Texas at Dallas: Delete the lab hours for Anatomy and Physiology I and II

A motion was made to delete the lab hours for Anatomy and Physiology I and II from the Clinical Lab Sciences track. The motion failed, 0-10.

Texas State University: Create a course in Medical Terminology for the ACGM and add it to the General/Academic track, Informatics and Health Information Management track, and the Clinical Lab Sciences track

A motion was made to create a course in Medical Terminology for the ACGM and add it to the Clinical Lab Sciences track. The motion failed, 0-10.

Texas State University: Add Physics to the Clinical Lab Sciences and General/Academic track

A motion was made to add Physics to the Clinical Lab Sciences and General/Academic track. The motion failed, 0-10.

Texas State University: Add Microbiology to the Clinical Lab Sciences and General/Academic track

The committee clarified that the Microbiology course in Clinical Lab Sciences track is Microbiology for Science Majors (BIOL 2421).

A motion was made to change the Math requirement in the Clinical Lab Sciences track to College Algebra, retaining the Statistics requirement. The motion carried, 10-0. There was then discussion of how adding Algebra made the FOS and the core curriculum total over 60 SCH. A motion was made to remove Statistics, and the motion carried 9-1.

A motion was made to accept this as the proposed Clinical Lab Sciences FOS:

Course Title	Course Number	SCH
College Algebra	MATH 1314	3

<p>Choose two of the following:</p> <p>I: A. Biology for Science Majors I (lecture + lab) B: 1. Biology for Science Majors I (lecture) 2. Biology for Science Majors I (lab)</p> <p>II: A. Biology for Science Majors II (lecture + lab) 1. Biology for Science Majors II (lecture) 2. Biology for Science Majors II (lab)</p> <p>III: A. Anatomy & Physiology I (lecture + lab) B: 1. Anatomy & Physiology I (lecture) 2. Anatomy & Physiology I (lab)</p> <p>IV: A. Anatomy & Physiology II (lecture + lab) B: 1. Anatomy & Physiology II (lecture) 2. Anatomy & Physiology II (lab)</p> <p>V. A. Genetics (lecture + lab) B: 1. Genetics (lecture) 2. Genetics (lab)</p>	<p>I: A. BIOL 1406 B: 1. BIOL 1306 2. BIOL 1106</p> <p>II: A. BIOL 1407 B: 1. BIOL 1307 2. BIOL 1107</p> <p>III: A. BIOL 2401 B: 1. BIOL 2301 2. BIOL 2101</p> <p>IV: A. BIOL 2402 B: 1. BIOL 2302 2. BIOL 2102</p> <p>V. A. BIOL 2416 B: 1. BIOL 2316 2. BIOL 2116</p>	<p>8</p>
<p>Choose one of the following:</p> <p>I. General Chemistry I (lecture + lab) II: A. General Chemistry I (lecture) B. General Chemistry I (lab)</p>	<p>I. CHEM 1411 II: A. CHEM 1311 B. CHEM 1111</p>	<p>4</p>
<p>Choose one of the following:</p> <p>I. General Chemistry II (lecture + lab) II: A. General Chemistry II (lecture) B. General Chemistry II (lab)</p>	<p>I: CHEM 1412 II: A. CHEM 1312 B. CHEM 1112</p>	<p>4</p>
<p>Choose one of the following:</p> <p>I: Organic Chemistry I (lecture + lab) II: A. Organic Chemistry I (lecture) B. Organic Chemistry I (lab)</p>	<p>I. CHEM 2423 II: A. CHEM 2323 B. CHEM 2123</p>	<p>4</p>

Choose one of the following: I. Microbiology for Science Majors (lecture + lab) II: A. Microbiology for Science Majors (lecture) B. Microbiology for Science Majors (lab)	I. BIOL 2421 II: A. BIOL 2321 B. BIOL 2121	4
TOTAL		27

The motion carried, 10-0.

The committee discussed public comments on the Informatics and Health Information Management (IHIM) track.

Texas State University: Create a course in Medical Terminology for the ACGM and add it to the General/Academic track, Informatics and Health Information Management track, and the Clinical Lab Sciences track

A motion was made to create a course in Medical Terminology for the ACGM and add it to the IHIM track. The motion failed, 0-10.

University of Houston-Clear Lake: Add Management, Accounting, or other Business courses to the Informatics and Health Information Management track.

A motion was made to add Management, Accounting, or other Business courses to the IHIM track. The motion failed, 0-10.

The University of Texas at Dallas: Delete the lab hours for Anatomy and Physiology I and II from the Informatics and Health Information Management track

A motion was made to delete the lab hours for Anatomy and Physiology I and II from the IHIM track. Hutton asked if the Biology lab hours could also be removed. The motion carried, 6-3.

The University of Texas at Dallas: Delete General Psychology from the Information and Health Information track

A motion was made to delete General Psychology from the IHIM track. Hutton said that students could take Introduction to Sociology instead. Okwonna said that students could also take Economics as part of the Social & Behavioral Sciences section of the core. Hutton said that General Psychology helps students with their careers by educating them on how to work with people. The motion failed, 0-10.

The University of Texas at Dallas: Delete Personal/Community Health from the Informatics and Health Information track

A motion was made to delete Personal/Community Health from the IHIM track. The motion carried, 9-1.

The University of Texas at Dallas: Delete Business Computer Applications from the Information and Health Information track

A motion was made to delete Business Computer Applications from the IHIM track. The motion failed, 0-10.

Texas State University: Add Economics to the Informatics and Health Information Management track

A motion was made to add Economics to the IHIM track. Francis said that it would benefit students, and Hu said that Statistics would be more applicable. The motion failed, 0-10.

Texas State University: Require either General Psychology or Personal/Community Health in the Informatics and Health Information Management track

A motion was made to require either General Psychology or Personal/Community Health in the IHIM track. Okwonna pointed out that the committee already voted to delete Personal/Community Health. The motion failed, 0-10.

A motion was made to approve this as the proposed IHIM track:

Course Title	Course Number	SCH
Elementary Statistical Methods	MATH 1342	3
Choose one of the following: I. Anatomy & Physiology I (lecture + lab) II: A. Anatomy & Physiology I (lecture) B. Anatomy & Physiology I (lab)	I. BIOL 2401 II: A. BIOL 2301 B. BIOL 2101	4
Choose one of the following: I. Anatomy & Physiology II (lecture + lab) II: A. Anatomy & Physiology II (lecture) B. Anatomy & Physiology II (lab)	I. BIOL 2402 II: A. BIOL 2302 B. BIOL 2102	4
General Psychology	PSYC 2301	3
Personal/Community Health	PHED 1304	3
Business Computer Applications	BCIS 1305	3
TOTAL		20

The motion carried, 10-0.

The committee discussed the public comments on the Public Health track. Martin proposed forming a subcommittee for Public Health. Okwonna replied that the

committee should go through the public comments first and then see if there is a need for a subcommittee.

The University of Texas at San Antonio: Remove General Psychology (PSYC 2301) from the Public Health Track

A motion was made to remove General Psychology (PSYC 2301) from the Public Health track. The motion failed, 9-1.

The University of Texas at San Antonio, Texas A&M University, and The University of Texas at El Paso: Remove Nutrition and Diet Therapy (BIOL 1322) from the Public Health Track

A motion was made to remove Nutrition and Diet Therapy (BIOL 1322) from the Public Health track. Francis said that most of the problems in public health stem from nutrition concerns, so that course may be even more important than Chemistry for public health. Torres said that the course is often upper division, and Francis added that students need it at the lower division in order to pass it at the upper division. Dominguez said that the issue was discussed thoroughly at the previous meeting. The motion failed for lack of a majority, 5-2 with 3 abstentions. Okwonna said the committee would return to the discussion.

The University of Texas at San Antonio, Texas A&M University, and The University of Texas at El Paso: Remove Personal/Community Health (PHED 1304) from the Public Health Track

A motion was made to remove Personal/Community Health from the Public Health track. The motion carried, 6-1.

Texas A&M University: Add Biology for Science Majors II (BIOL 1407) to the Public Health Track

A motion was made to add Biology for Science Majors II (BIOL 1407) to the Public Health track. Francis pointed out that another public comment was to remove Anatomy & Physiology from the track, and if that is done, it would remove the need for the Biology prerequisite. The motion failed for lack of a majority, 5 in favor, 4 opposed, and 1 abstention.

Texas A&M University: Add Composition and Rhetoric (ENGL 1302) to the Public Health Track

A motion was made to add Composition and Rhetoric (ENGL 1302) to the Public Health track. Torres pointed out that this is already part of the core curriculum, and it would be consistent with the other tracks if it were not included. The motion failed, 0-9.

Texas A&M University: Add a choice of Public Speaking (SPCH 1315) or Technical and Business Writing (ENGL 2311) to the Public Health Track

A motion was made to add a choice of Public Speaking (SPCH 1315) or Technical and Business Writing (ENGL 2311) to the Public Health track. Martin said he was not sure how Business Writing would help with the necessary oral communication skills. The motion failed, 1-6.

Texas A&M University: Add Mathematics for Business and Social Sciences (MATH 1324) to the Public Health Track

A motion was made to add Mathematics for Business and Social Sciences (MATH 1324) to the Public Health track. The motion carried, 10-0.

Texas A&M University: Add Calculus for Business and Social Sciences (MATH 1325) to the Public Health Track

A motion was made to add Calculus for Business and Social Sciences (MATH 1325) to the Public Health track. Francis asked how someone in public health would use Calculus. Rahn said Statistics would be more useful for assessing populations, and Calculus is used for Statistics. Falleur said it may be expected of Texas A&M University students that they have Calculus. The motion failed, 1-7.

Texas A&M University: Remove Elementary Statistical Methods (MATH 1342) from the Public Health Track

A motion was made to remove Elementary Statistical Methods (MATH 1342) from the Public Health track. The motion failed, 1-8.

Texas A&M University: Remove Anatomy and Physiology I (BIOL 2401) and Anatomy and Physiology II (BIOL 2402) from the Public Health Track

A motion was made to remove Anatomy and Physiology I (BIOL 2401) and Anatomy and Physiology II (BIOL 2402) from the Public Health track. Okwonna said that the purpose is to take Biology II instead. The motion carried, 8-0.

Texas A&M University: Add Biology for Science Majors I (BIOL 1407) to the Public Health Track

A motion was made to add Biology for Science Majors I (BIOL 1407) to the Public Health track. The motion carried, 8-0.

The University of Texas at Austin: Require Calculus in the Public Health track

A motion was made to require Calculus in the Public Health track. Rahn said that two different universities require it, and perhaps the committee does not have the expertise to decide. Francis said there was no need for it. Hutson said Calculus may just be a general requirement for all students. The motion failed, 1-8.

University of North Texas: Require Precalculus (MATH 1312) in the Public Health track

A motion was made to require Precalculus (MATH 1312) in the Public Health track. The motion failed, 0-8.

University of North Texas: Create ACGM courses in Research Methods in Public Health, and Epidemiological Concepts and Methods for Public Health, and add them to the Public Health track

A motion was made to create an ACGM course in Research Methods in Public Health and add it to the Public Health track. The motion failed, 9-1.

A motion was made to create an Epidemiological Concepts and Methods for Public Health course and add it to the Public Health track. Martin said the course would fit well with some existing articulation agreements. Michie pointed out a comparable course is offered at 4 universities at the lower division, and 19 universities at the upper division. Francis said there are existing epidemiological courses offered at varying levels. The motion failed, 1-9.

University of North Texas: Create an ACGM course in Introduction to Public Health and add it to the Public Health track

A motion was made to create an ACGM course in Introduction to Public Health and add it to the Public Health track. The committee discussed whether such a course would need to be lower division or upper division. The motion failed for lack of a majority, 5 in favor, 3 opposed, and 2 abstentions.

A motion was made to approve this as the proposed Public Health track:

Course Title	Course Number	SCH
Elementary Statistical Methods	MATH 1342	3
Choose one of the following: I. Biology for Science Majors I (lecture + lab) II: A. Biology for Science Majors I (lecture) B. Biology for Science Majors I (lab)	I. BIOL 1406 II: a. BIOL 1306 b. BIOL 1106	4
Choose one of the following: I. General Chemistry I (lecture + lab) II: A. General Chemistry I (lecture) B. General Chemistry I (lab)	I. CHEM 1411 II: A. CHEM 1311 B. CHEM 1111	4
General Psychology	PSYC 2301	3
Choose one of the following: I. Anatomy & Physiology I (lecture + lab) II: A. Anatomy & Physiology I (lecture) B. Anatomy & Physiology I (lab)	I. BIOL 2401 II: A. BIOL 2301 B. BIOL 2101	4
Choose one of the following: I. Anatomy & Physiology II (lecture + lab) II: A. Anatomy & Physiology II (lecture) B. Anatomy & Physiology II (lab)	I. BIOL 2402 II: A. BIOL 2302 B. BIOL 2102	4
Nutrition and Diet Therapy	BIOL 1322	3

Personal/Community Health	PHED 1304	3
TOTAL		28

The motion carried, 9-1.

4. Consideration of authorization of Co-Chairs to approve the meeting notes, make nonsubstantive edits to documents, and conduct assorted committee business relating to submission of the Field of Study to the Coordinating Board for approval

A motion was made to authorize the co-chairs to approve the final meeting minutes and carry other related business for the FOS approval process before the Board. The motion passed.

5. Adjournment

A motion was made to adjourn and was passed by acclamation at 5:00