

TEXAS HIGHER EDUCATION COORDINATING BOARD

Summary Notes/Minutes

Multidisciplinary Studies/AAT Field of Study

Advisory Committee Meeting

1200 East Anderson Lane, Board Room

Austin, Texas

January 14, 2019, 1:00 PM – 5:00 PM

January 15, 2019, 8:30 AM – 12:00 PM

The webcasts of these meetings are available at the following links:

<https://www.youtube.com/watch?v=QRwZ3Ukl7o&t=12s>

<https://www.youtube.com/watch?v=HlhiPOAB8Xg&t=6627s>

Day 1: January 14, 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:

Joanne Baham, Hill College
Melissa Becker, Tarleton State University
Donna Brasher, Texas Tech University
Anthony Brown, The University of Texas at Austin
Christal Burnett-Sanchez, University of Houston-Downtown
Annamary Consalvo, The University of Texas at Tyler
Sue Crowson, Del Mar College
Daphney Curry, Midwestern State University
Amie DeLeon, Alamo-Palo Alto College
Belinda Flores, The University of Texas-San Antonio
Brandon Fox, Stephen F. Austin State University
Courtenay Jauregui, Collin College
Amy Jones, Blinn College
Teresa Lattier, Lee College
Barbara Lynn, Wharton County Junior College
Denise McKown, Midland College
Barba Patton, University of Houston-Victoria
Sandra Stewart, Sam Houston State University
Shereah Taylor, Tarrant County College-South Campus
James Telese, The University of Texas Rio Grande Valley
Crystal Tewes, San Jacinto Community College
Teresa Wallace, Vernon College
Patrice Werner, Texas State University
Susan Wyatt, Eastfield College-DCCCD

Coordinating Board Staff present:
Allen Michie, Program Director
Andrew Lofters, Program Director
Rebecca Leslie, Program Director
Rex Peebles, Deputy Assistant Commissioner

2. Consideration of appointing a recording secretary

Belinda Flores volunteered to serve as recording secretary and was elected by acclamation.

3. Consideration of election of Co-Chairs

Amie DeLeon (Palo Alto College) and Shereah Taylor (Tarrant County College-South Campus) were nominated to serve as co-chair from two-year institutions. Taylor was elected 13-9. Patrice Werner (Texas State University) was nominated from four-year institutions and was elected by acclamation.

4. Public testimony

Lisa Ramos (Alamo Community College-San Antonio), Co-Chair of the History Field of Study (FOS) Advisory Committee, addressed the committee on the issue of including Mexican American Studies as an option in the Multidisciplinary Studies FOS, particularly in a History certification track. Ramos summarized the discussions on Mexican American Studies in the History FOS Advisory Committee meetings and relayed support from many academics in the discipline across the state. Ramos emphasized the importance of Mexican American Studies for teachers to inform, influence, and inspire students.

Michie noted that the History FOS is currently out for public comment.

5. Break for consultation between Coordinating Board staff and Co-Chairs

The committee recessed for 15 minutes.

6. Assignment of staggered committee terms

Committee members were randomly assigned one-, two-, and three-year terms. [Note: A subsequent change of Coordinating Board policy gives every member a four-year term. Committee co-chairs have two-year terms in that role.]

7. Overview of Field of Study rules and mission – Dr. Allen Michie

Michie provided an overview of the Fields of Study (FOS) statute, how it is part of a wider range of transfer success initiatives, and how it contributes to the Texas Higher Education Coordinating Board's 60x30TX strategic plan.

Michie stated the goals of the meeting:

- Review curricula from programs at representative two- and four-year institutions
- Review approved courses in the *Academic Course Guide Manual* (ACGM)
- Decide which lower division courses are necessary for success in upper division courses in a major
- Adjust course objectives and descriptions as necessary

- Balance student freedom with institution priorities
- Create a guaranteed pathway to the degree and minimize the number of excess hours that students take

Michie and Peebles answered questions about FOS and the approval process.

8. Discussion and consideration of Multidisciplinary Studies Field of Study curriculum

Taylor said that the committee will break into groups to consider FOS appropriate to different certifications. There was discussion about whether Early Childhood (EC)-3 should be grouped together with EC-6. The consensus was to include EC-6.

The group divisions would reflect the current AAT curriculum, which has EC-6, grades 4-8, and grades 6-12.

The committee discussed the EDUC courses in the *Lower-Division Academic Course Guide Manual* (ACGM). The consensus was that they belonged in the FOS.

Werner asked if there is any necessary course content that is not reflected in the ACGM. Consalvo replied that students sometimes do poorly in EC-6 composite Social Studies and composite Science. An integrated Social Studies course and an integrated Science course would therefore be helpful.

Wallace added American Sign Language. Stewart added Texas History. Telese added Content Management. DeLeon added Classroom Management. Wyatt said that there are courses already in the ACGM that could be developed or offered more often.

Taylor said that committee members would divide into three different groups: EC-6, 4-8, and 7-12. Taylor instructed the groups to consider 12 SCH of courses, since the committee already agreed to include the two EDUC courses. The groups met for one hour then reported back their findings.

EC-3 group:

Wyatt reported that the group decided to split into EC-3 and EC-6 because the needs are different. The group proposed creating new courses in Teaching Math and Early Childhood (incorporating MATH 1350 and MATH 1351) and Classroom Management and Strategies. The group proposed the following FOS:

- EDUC 1301, Introduction to the Teaching Profession
- EDUC 2301, Introduction to Special Populations
- TECA 1354, Child Growth and Development
- TECA 1311, Educating Young Children (with a proposed ACGM revision to include family engagement, classroom management, and curriculum development)
- MATH 1350, Mathematics for Teachers I
- MATH 1351, Mathematics for Teachers II
- BIOL 1408, Biology for Non-Science Majors I
- Choose one:
 - GEOL 1401, Earth Sciences for Non-Science Majors I
 - GEOL 1403, Physical Geology

EC-6 group:

Wallace reported that the group was still undecided on several of the SCH, and it was considering courses in Teaching Science or Child Growth & Development. The group proposed the following FOS:

- EDUC 1301, Introduction to the Teaching Profession
- EDUC 2301, Introduction to Special Populations
- MATH 1350, Mathematics for Teachers I
- MATH 1351, Mathematics for Teachers II
- HIST 2301, Texas History
- TECA 1354, Child Growth and Development
- Choose two:
 - BIOL 1406, Biology for Science Majors I
 - BIOL 1408, Biology for Non-Science Majors I
 - PHYS 1415, Physical Science I
 - GEOL 1401, Earth Sciences for Non-Science Majors I
 - GEOL 1403, Physical Geology
- Choose 1:
 - ECON 2301, Principles of Macroeconomics
 - ECON 2302, Principles of Microeconomics
 - GEOG 1303, World Regional Geography

4-8 Group:

The group decided to split the FOS into tracks in Math, Science, English/Language Arts (ELAR), Social Studies, and Generalist.

Math:

- EDUC 1301, Introduction to the Teaching Profession
- EDUC 2301, Introduction to Special Populations
- MATH 1350, Mathematics for Teachers I
- MATH 1351, Mathematics for Teachers II
- MATH 2312, Pre-Calculus Math
- MATH 1314, College Algebra
- MATH 2313, Calculus I

Science:

- EDUC 1301, Introduction to the Teaching Profession
- EDUC 2301, Introduction to Special Populations
- GEOL 1401, Earth Science for Non-Science Majors I
- PHYS 1403, Stars and Galaxies
- BIOL 1408, Biology for Non-Science Majors I
- CHEM 1411, General Chemistry I
- PHYS 1415, Physical Science I

ELAR:

- EDUC 1301, Introduction to the Teacher Profession
- EDUC 2301, Introduction to Special Populations
- ENGL 1301, Composition I
- ENGL 1302, Composition II

- ENGL 2311, Technical & Business Writing
- ENGL 2327, American Literature I
- Choose one:
 - ENGL 2332, World Literature I
 - ENGL 2351, Mexican American Literature
 - ENGL 2332, British Literature I
- Choose one:
 - ENGL 2332, World Literature I
 - ENGL 2333, World Literature II
 - ENGL 2322, British Literature I
 - ENGL 2351, Mexican American Literature

Social Studies:

- EDUC 1301, Introduction to the Teacher Profession
- EDUC 2301, Introduction to Special Populations
- GEOG 1303, World Regional Geography
- ECON 2301, Principles of Macroeconomics
- HIST 2301, Texas History
- Choose one:
 - HIST 2311, Western Civilization I
 - HIST 2321, Western Civilization II
 - HIST 2327, Mexican American History I
- Choose one:
 - HIST 2312, Western Civilization II
 - HIST 2322, World Civilizations II
 - HIST 2328, Mexican American History II
 - HIST 2381, African American History

Generalist:

- EDUC 1301, Introduction to the Teacher Profession
- EDUC 2301, Introduction to Special Populations
- ENGL 1302, Composition II
- Choose one:
 - BIOL 1408, Biology for Non-Science Majors I
 - PHYS 1415, Physical Science I
- MATH 1314, College Algebra
- HIST 2301, Texas History
- MATH 2312, Pre-Calculus Math
- Choose one:
 - ENGL 2322, British Literature I
 - ENGL 2332, World Literature I
 - ENGL 2333, World Literature II
 - ENGL 2351, Mexican American Literature

7-12 group:

The group discussed the English, Math, and Social Studies certifications.

7-12 ELAR:

- EDUC 1301, Introduction to the Teacher Profession
- EDUC 2301, Introduction to Special Populations
- ENGL 1301, Composition I
- ENGL 1302, Composition I
- ENGL 2321, British Literature
- ENGL 2326, American Literature
- Choose two:
 - ENGL 2307, Creative Writing
 - ENGL 2323, British Literature II
 - ENGL 2328, American Literature II
 - ENGL 2331, World Literature
 - ENGL 2351, Mexican American Literature

7-12 Math:

- EDUC 1301, Introduction to the Teacher Profession
- EDUC 2301, Introduction to Special Populations
- MATH 1314, College Algebra
- MATH 1342, Elementary Statistical Methods
- MATH 2312, Pre-Calculus Math
- MATH 2313, Calculus I
- MATH 2314, Calculus II

7-12 Social Studies:

- EDUC 1301, Introduction to the Teacher Profession
- EDUC 2301, Introduction to Special Populations
- HIST 1301, United States History I
- HIST 1302, United States History II
- HIST 2301, Texas History
- GOVT 2305, Federal Government
- GOVT 2306, Texas Government
- Choose one:
 - HIST 2311, Western Civilization I
 - HIST 2321, World Civilizations I
- Choose one:
 - HIST 2312, Western Civilization II
 - HIST 2322, World Civilizations II
- Choose one:
 - ECON 2301, Principles of Macroeconomics
 - HIST 2327, Mexican American History I
 - HIST 2328, Mexican American History II
 - IV. HIST 2381, African American History

The committee discussed the process of creating new ACGM courses.
The meeting adjourned at 5:00 PM.

Day 2: January 15, 2019, 8:30 AM – 12:00 PM

1. Call to order

Taylor and Werner called the meeting to order at 8:30 AM.

2. Discussion and consideration of Multidisciplinary Studies Field of Study curriculum

Taylor announced that the groups will work together again. Taylor advised the groups to consider the common prerequisites for upper-division courses.

The committee discussed the possibility of a new course in Classroom Management. Leslie addressed the topic of moving courses from the *Workforce Education Course Manual* (WECM) to the ACGM. She said that the two types of courses are for different audiences, and it is best to keep the courses distinct. It is usually easier to embed new course content as necessary into existing ACGM courses than it is to migrate WECM courses or create new ACGM courses.

The committee agreed to include the labs in all of the science courses and to add options for non-science major courses where available in order to be consistent across all of the certification levels.

Peebles addressed the issue of the many 7-12 certifications and whether it would be necessary to have separate FOS tracks for each one. The committee needs to consider how many subjects can be grouped together into single tracks and whether separate subcommittees of subject experts need to be convened. Peebles stressed the importance of good advising for students.

The committee discussed issues in the FOS tracks as proposed. The consensus was that the tracks can serve for both Bachelor of Arts (BA) and Bachelor of Science (BS) degrees. The committee discussed the level of History courses in Mexican American and African American History, the struggles some students have with science courses, and pathway arrangements with transfer partner institutions.

Werner recommended keeping the five areas prepared for 7-12 certification and going with courses in the major for the remaining certification areas.

Telese made a motion to accept the proposed FOS as drafted. The motion carried 23-1.

3. Overview of the timeline for public comments and Field of Study approval – Dr. Allen Michie

Michie discussed the 30-day public comment period and the responsibilities of committee members to respond. Michie discussed the Board approval procedure.

4. Consideration of authorization of Co-Chairs to approve minutes and conduct assorted business on behalf of the committee relating to Field of Study Board approval

Patton made a motion to authorize the co-chairs to have the authority to make adjustments to the FOS, approve the minutes, and conduct assorted committee business. The motion passed unanimously.

5. Adjournment

The meeting adjourned at 12:00 PM.

Final Multidisciplinary Studies FOS as it went out for public comment:

There are four FOS/AAT: Early Childhood-Grade 3, Early Childhood-Grade 6, Grades 4-8, and Grades 7-12. Within an FOS/AAT there may be multiple tracks depending upon the area of specialty.

The proposed FOS/AAT would apply to all AAT, Bachelor of Arts (BA), or Bachelor of Science (BS) programs in Multidisciplinary or Interdisciplinary Studies (CIP code 30.9999) leading to EC-12 teaching certification. It would not apply to general Multidisciplinary or Interdisciplinary programs (CIP 30.00) that derive from two or more distinct programs to provide a cross-cutting focus on a subject concentration that is not subsumed under a single discipline or occupational field.

I. Early Childhood – Grade 3

Proposed 2019 FOS/AAT Curriculum for Early Childhood – Grade 3

Course Title	Course Number	SCH
Introduction to the Teaching Profession	EDUC 1301	3
Educating Young Children ¹	TECA 1311	3
Child Growth & Development	TECA 1354	3
Mathematics for Teachers I	MATH 1350	3
Mathematics for Teachers II	MATH 1351	3
Choose one of two: I. Earth Sciences for Non-Science Majors I II. Physical Geology	I: A. GEOL 1301 and GEOL 1101 or B. GEOL 1401 II: A. GEOL 1303 and GEOL 1103 or B. GEOL 1403	4
Biology for Non-Science Majors	BIOL 1308 and BIOL 1108 or BIOL 1408	4
Introduction to Special Populations	EDUC 2301	3
TOTAL		26

¹ The learning objectives in the *Lower-Division Academic Course Guide Manual* would be adjusted to include information on families, teaching strategies

II. Early Childhood – Grade 6

Proposed 2019 FOS/AAT Curriculum for Early Childhood – Grade 6

Course Title	Course Number	SCH
Introduction to the Teaching Profession	EDUC 1301	3
Choose one of three: I. World Regional Geography II. Principles of Macroeconomics II. Principles of Microeconomics	I. GEOG 1303 II. ECON 2301 III. ECON 2302	3
Mathematics for Teachers I	MATH 1350	3
Mathematics for Teachers II	MATH 1351	3
Child Growth & Development	TECA 1354	3
Choose two of three: I. A. Biology for Non-Science Majors I or B. Biology for Science Majors I II. Physical Science I III. A. Physical Geology Or B. Earth Science for Non-Science Majors I	I: A. 1. BIOL 1308 and BIOL 1108 or 2. BIOL 1408 B. 1. BIOL 1306 and BIOL 1106 or 2. BIOL 1406 II. A. PHYS 1315 and PHYS 1115 or B. PHYS 1415 III. A. 1. GEOL 1303 and GEOL 1103 or 2. GEOL 1403 B. 1. GEOL 1301 and GEOL 1101 or 2. GEOL 1401	8

Texas History	HIST 2301	3
Introduction to Special Populations	EDUC 2301	3
TOTAL		29

III. Grade 4 – Grade 8

A. Proposed 2019 FOS/AAT Curriculum for Grade 4 – Grade 8: Math Track

Course Title	Course Number	SCH
Introduction to the Teaching Profession	EDUC 1301	3
College Algebra	MATH 1314	3
Mathematics for Teachers I	MATH 1350	3
Mathematics for Teachers II	MATH 1351	3
Introduction to Special Populations	EDUC 2301	3
Pre-Calculus Math	MATH 2312	3
Calculus I	MATH 2313	3
TOTAL		21

III. Grade 4 – Grade 8

B. Proposed 2019 FOS/AAT Curriculum for Grade 4 – Grade 8: Science Track

Course Title	Course Number	SCH
Introduction to the Teaching Profession	EDUC 1301	3
Earth Science for Non-Science Majors I	A. GEOL 1301 and GEOL 1101 or B. GEOL 1401	4
Stars and Galaxies	A. PHYS 1303 and PHYS 1103 or B. PHYS 1403	4
Biology for Non-Science Majors I	A. BIOL 1308 and BIOL 1108 or B. BIOL 1408	4
General Chemistry I	A. CHEM 1311 and CHEM 1111 or B. CHEM 1411	4
Physical Science I	A. PHYS 1315 and PHYS 1115 or B. PHYS 1415	4
Introduction to Special Populations	EDUC 2301	3
TOTAL		26

III. Grade 4 – Grade 8

C. Proposed 2019 FOS/AAT Curriculum for Grade 4 – Grade 8: English/Language Arts (ELAR) Track

Course Title	Course Number	SCH
Introduction to the Teaching Profession	EDUC 1301	3
Introduction to Special Populations	EDUC 2301	3
Composition I	ENGL 1301	3
Composition II	ENGL 1302	3
Technical & Business Writing	ENGL 2311	3
American Literature I	ENGL 2327	3
Choose one of three: I. World Literature I II. British Literature I III. Mexican American Literature	I. ENGL 2332 II. ENGL 2322 III. ENGL 2351	3
Choose one of four: I. World Literature I II. World Literature II III. British Literature I IV. Mexican American Literature	I. ENGL 2332 II. ENGL 2333 III. ENGL 2322 IV. ENGL 2351	3
TOTAL		24

III. Grade 4 – Grade 8

D. Proposed 2019 FOS/AAT Curriculum for Grade 4 – Grade 8: Social Studies Track

Course Title	Course Number	SCH
Introduction to the Teaching Profession	EDUC 1301	3
Introduction to Special Populations	EDUC 2301	3
World Regional Geography	GEOG 1303	3
Principles of Macroeconomics	ECON 2301	3
Texas History	HIST 2301	3
Choose one of three: I. Western Civilization I II. World Civilizations I III. Mexican American History I	I. HIST 2311 II. HIST 2321 III. HIST 2327	3
Choose one of three: I. Western Civilization II II. World Civilizations II III. Mexican American History II IV. African American History	I. HIST 2312 II. HIST 2322 III. HIST 2328 IV. HIST 2381	3
TOTAL		21

III. Grade 4 – Grade 8

E. Proposed 2019 FOS/AAT Curriculum for Grade 4 – Grade 8: Generalist Track

Course Title	Course Number	SCH
Introduction to the Teaching Profession	EDUC 1301	3
Introduction to Special Populations	EDUC 2301	3
Composition II	ENGL 1302	3
Choose one of two: I. Biology for Non-Science Majors I with lab II. Physical Science I with lab	I. A. BIOL 1308 and BIOL 1108 or B. BIOL 1408 II. A. PHYS 1315 and PHYS 1115 or B. PHYS 1415	4
College Algebra	MATH 1314	3
Texas History	HIST 2301	3
Pre-Calculus math	MATH 2312	3
Choose one of four: I. British Literature I II. World Literature I III. World Literature II IV. Mexican American Literature	I. ENGL 2322 II. ENGL 2332 III. ENGL 2333 IV. ENGL 2351	3
TOTAL		25

IV. Grade 7 – Grade 12

A. Proposed 2019 FOS/AAT Curriculum for Grade 7 – Grade 12: English/Language Arts (ELAR) Track

Course Title	Course Number	SCH
Introduction to the Teaching Profession	EDUC 1301	3
Introduction to Special Populations	EDUC 2301	3
Composition I	ENGL 1301	3
Composition II	ENGL 1302	3
British Literature	ENGL 2321	3
American Literature	ENGL 2326	3
Choose two of five: I. Creative Writing II. British Literature II III. American Literature II IV. World Literature V. Mexican American Literature	I. ENGL 2307 II. ENGL 2323 III. ENGL 2328 IV. ENGL 2331 V. ENGL 2351	6
TOTAL		24

IV. Grade 7 – Grade 12

B. Proposed 2019 FOS/AAT Curriculum for Grade 7 – Grade 12: Math Track

Course Title	Course Number	SCH
Introduction to the Teaching Profession	EDUC 1301	3
Introduction to Special Populations	EDUC 2301	3
College Algebra	MATH 1314	3
Elementary Statistical Methods	MATH 1342	3
Pre-Calculus Math	MATH 2312	3
Calculus I	MATH 2313	3
Calculus II	MATH 2314	3
TOTAL		21

IV. Grade 7 – Grade 12

C. Proposed 2019 FOS Curriculum for Grade 7 – Grade 12: Social Studies Track

Course Title	Course Number	SCH
Introduction to the Teaching Profession	EDUC 1301	3
Introduction to Special Populations	EDUC 2301	3
United States History I	HIST 1301	3
United States History II	HIST 1302	3
Texas History	HIST 2301	3
Federal Government	GOVT 2305	3
Texas Government	GOVT 2306	3
Choose one of two: I. Western Civilization I II. World Civilizations I	I. HIST 2311 II. HIST 2321	3
Choose one of two: I. Western Civilization II II. World Civilizations II	I. HIST 2312 II. HIST 2322	3
Choose one of four: I. Principles of Macroeconomics II. Mexican American History I III. Mexican American History II IV. African American History	I. ECON 2301 II. HIST 2327 III. HIST 2328 IV. HIST 2381	3
TOTAL		30

IV. Grade 7 – Grade 12

D. Proposed 2019 FOS Curriculum for Grade 7 – Grade 12: History Track

Course Title	Course Number	SCH
Introduction to the Teaching Profession	EDUC 1301	3
Introduction to Special Populations	EDUC 2301	3
United States History I	HIST 1301	3
United States History II	HIST 1302	3
Choose one of four: I. Principles of Macroeconomics II. Mexican American History I III. Mexican American History II IV. African American History	I. ECON 2301 II. HIST 2327 III. HIST 2328 IV. HIST 2381	3
Texas History	HIST 2301	3
Federal Government	GOVT 2305	3
Texas Government	GOVT 2306	3
Choose one of two: I. Western Civilization I II. World Civilizations I	I. HIST 2311 II. HIST 2321	3
Choose one of two: I. Western Civilization II II. World Civilizations II	I. HIST 2312 II. HIST 2322	3
TOTAL		30

IV. Grade 7 – Grade 12

E. Proposed 2019 FOS Curriculum for Grade 7 – Grade 12: Science Track

Course Title	Course Number	SCH
Introduction to the Teaching Profession	EDUC 1301	3
Introduction to Special Populations	EDUC 2301	3
Choose one of two: I. Earth Sciences for Non-Science Majors I with lab II. Physical Geology with lab	I. A. GEOL 1301 and GEOL 1101 or B. GEOL 1401 II. A. GEOL 1303 and GEOL 1103 or B. GEOL 1403	4
Choose one of two: I. Biology for Science Majors I with lab II. Biology for Non-Science Majors I with lab	I. A. BIOL 1306 and BIOL 1106 or B. BIOL 1406 II. A. BIOL 1308 and BIOL 1108 or B. BIOL 1408	4
Choose one of two: I. Elementary Physics I with lab II. General Chemistry I with lab	I. A. PHYS 1305 and PHYS 1105 or B. PHYS 1405 II. A. CHEM 1311 and CHEM 1111 or B. CHEM 1411	4
TOTAL		18