

MSEC Minutes July 10, 2018 Approval August 21, 2018



QUILLEN
COLLEGE of MEDICINE
EAST TENNESSEE STATE UNIVERSITY

The Medical Student Education Committee of the Quillen College of Medicine met on Tuesday, July 10, 2018, in Classroom C-000 of Stanton-Gerber Hall

Attendance

Voting Members

Ramsey McGowen, PhD, Chair
Martha Bird, MD
Russell Brown, PhD
Thomas Ecay, PhD
Steven Geraci, MD
Dave Johnson, PhD
Paul Monaco, PhD
Rob Schoborg, PhD
Amanda Stoltz, MD
Hunter Bratton, M3

Ex Officio Voting Members

Theresa Lura, MD
Rachel Walden, MLIS

Ex Officio Non-Voting Member

Kenneth Olive, MD, EAD

Non-Voting Members & Guests

William Browder, MD
Brian Cross, PharmD
Jean Daniels, PhD

Academic Affairs Staff

Lorena Burton
Mariela McCandless, MPH
Skylar Moore, BSPH
Cathy Peeples, MPH

Shading denotes or references MSEC Concurrence and/or Action Items

1. Approve: Minutes from June Retreat and Annual Meeting

The minutes from the June Retreat and the Annual Meeting, both held on June 12, 2018, were sent to MSEC for review prior to the meeting with no comments or changes to the documents as presented.

Dr. Monaco made a motion to accept the June 12, 2018 Retreat minutes as presented. Dr. Johnson seconded the motion. MSEC unanimously voted to accept the June 12, 2018 Retreat minutes.

Dr. Monaco made a motion to accept the June 12, 2018 Annual minutes as presented. Dr. Geraci seconded the motion. MSEC unanimously voted to accept the June 12, 2018 Annual minutes.

The June 12, 2018 Retreat and Annual minutes are shared with MSEC members via a One Drive document storage option.

Announcements:

Dr. McGowen introduced Jean Daniels, PhD, Assistant Professor of Academic Support. Dr. Daniels was selected to fill the new Academic Support position for the College of Medicine (COM). Rachel Walden stated that Dr. Daniels has a PhD in Marriage and Family Counseling and has held a similar position at the Brody College of Medicine. Dr. Daniels' office will be located in the Department of Learning Resources, on the first floor of the COM Medical Library.

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Dr. Olive added that Dr. Daniels is filling a much needed position in the COM and will be in contact with faculty, staff, and students over the next several weeks as she begins to become familiar with the COM.

Dr. Olive introduced Skylar Moore, BSPH; Rural Medical Education Coordinator. Skylar is filling the position vacated by Mariela McCandless (who is now the Medical Education Coordinator for the preclerkship curriculum). Ms. Moore comes to COM after working in a local medical practice where she managed multiple staff needs and the practice's processes. Ms. Moore will be responsible for scheduling and coordinating the Rural Health Fairs while providing support to Rural Programs and Academic Affairs as needed.

Dr. Olive stated that the invitations for the LCME Self-Study Subcommittees have been sent and will begin meeting in August 2018.

2. Report: Interprofessional Education Collaborative (IPEC) Progress

Dr. Brian Cross, Director of Interprofessional Education and Research, updated MSEC on IPEC progress and future directions. He reviewed IPEC history, 2016 updates, and 2017 academic and research accomplishments. He also summarized current and future timelines and the Building 60 renovations completed and anticipated in the future.

Plans for future direction (2018+) for research/service and academics as well as faculty development sessions were presented. The revision of the IPE five (5) year Strategic Plan to include research was covered. Team-Based Community Projects were defined with specific sites identified for ETSU student participation. Dr. Cross introduced a re-visioning of the curriculum for IPE to include levels of student IPE participation.

Level 1: Informative – graduation requirement, online exposure to IPE similar to a Massive Open Online Course (MOOC)

Level 2: Formative – four (4) competency-based IPE days and simulation and team-based OSCEs

Level 3: Transformative – honors IPE, four (4) competency-based IPE days, simulation and team-based OSCEs and team-based service learning

Future plans for added partners, faculty development, an IPE website, addition of four (4) competency domains and added opportunities for research and service were identified.

Dr. Cross summarized that all efforts are directed at “moving the needle” toward improved patient care and graduating students ready to provide interprofessional care.

The Interprofessional Education PowerPoint is shared with MSEC members via a One Drive document storage option.

The agenda was adjusted at this point to discuss Agenda Item #9
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9. Approve: Surgery Elective: Global Health Experience in Zimbabwe

Dr. William Browder, Surgery Department Chair, presented a new four (4) week, Surgery elective to MSEC. The elective site will be in the Karanda Mission Hospital (walled compound) in Zimbabwe, Africa, with both ambulatory and inpatient responsibilities.

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Stacy Harms Zabriskie, MD, FACS, (former COM Resident) will be the elective's primary instructor and responsible faculty.

The Department of Surgery will provide support for up-to-two (2) medical students (M4 status) to include trip preparation and medical needs, a health insurance policy for transportation in/out of the country, transportation to/from the elective's primary site in Zimbabwe, housing, and meal allowance.

Interested students will compete in an essay assignment (August timeframe) managed by the Department of Surgery. The rotation will be completed in the January/February timeframe. Student responsibilities will include patient rounding, patient evaluation, presentation to attending physicians, and surgery assistance. The elective's objectives have been mapped to the COM Institutional Educational Objectives (IEOs).

MSEC discussion included:

Travel Advisory 2 status; other medical students on rotation at the site; US and native physicians on site; site patient load per year; travel in personal vehicles while in Zimbabwe; student requirements and venues for sharing of post experience

Dr. McGowen asked MSEC for further questions regarding the new Surgery elective proposed. None being received, a motion came forward for approval of the elective.

Dr. Geraci made a motion to approve the Surgery Elective: Global Health Experience in Zimbabwe. Dr. Monaco seconded the motion. MSEC unanimously voted to approve the motion.

The Surgery Elective: Global Health in Zimbabwe is shared with MSEC members via a One Drive document storage option.

The agenda returned to the original schedule

3. Approve: Pharmacology NBME Grade Waiver

Dr. Michelle Duffourc, Pharmacology Course Director, presented a request to MSEC to raise the requirement for receiving a course grade of "100" on the Pharmacology NBME from the 90th percentile to the 95th percentile. The minimum requirement for passing the NBME would remain at the 10th percentile and the grade component weight would remain at 20%.

Dr. Duffourc walked MSEC through current and historical NBME "scores" and the corresponding "percentile ranks", taking into account the change by NBME to report equated "percentile correct scores" and the corresponding "percentile ranks". The latest score report from NBME lists the 99th percentile as the top of the range, a change from the top score reported as the 91st percentile shown in past score reports. This indicates an increasing number of high scores on the exam. Currently the 90th percentile is an equated percent correct score of 87 and any student scoring at that number or better would receive a grade of 100.

Raising the required score to receive a course grade of 100 on the NBME subject exam from the 90th percentile to 95th percentile would require a student to receive an equated percent correct score of 90 or better (a 3-point change from present practice).

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Dr. McGowen asked MSEC if there were further questions and with none received a motion was made regarding the request.

Dr. Johnson made a motion to approve the requirement for a score of “100” on the Pharmacology NBME from the current 90th percentile to the 95th percentile. The minimum requirement for passing the NBME would remain at 10% and the grade component weight would remain at 20%. Dr. Lura seconded the motion. MSEC unanimously voted to approve the motion.

4. Report: 2017-2018 Administrative Reviews

Jr. Clinical Experiences

Dr. Olive presented a listing of all 2017-2018 Jr. Clinical Experiences evaluated by the 3rd year medical students upon completion of their rotations. Overall ratings ranged from 3.0 to 5.0/5.00. Strengths and weaknesses of each rotation were identified. Student comments ranked the rotations highly with a minimal number of weaknesses and/or suggestions for an enhanced rotation identified.

Integrated Grand Rounds (IGR) sessions

Dr. McGowen presented a summary of the 2017-2018 Integrated Grand Rounds (IGR) held this past year. Over 90% of the students rated all aspects of the sessions positively. Dr. McGowen provided several of the comments received. Strengths and Weaknesses received were reviewed with examples of comments offered. Plans for the 2018-2019 IGR sessions include providing an opportunity for M2 students to participate as teachers to the M1 students for one of the sessions.

Senior Selectives – Away Senior Selective/Electives - Senior Electives

Dr. McGowen presented a listing of all 2017-2018 Senior Selectives and the total number of students completing the rotations, to include those taken as Away Selective credit. The overall Selective evaluation score ranged from 3.00 to 5.0/5.00 (Away Selectives used a 3-point scale and ranged from 2.75 to 3.00/3.00). A summary of the strengths and weaknesses of each were provided. Student comments ranked the rotations highly with no universal problem(s) or consistent weaknesses identified.

A summary of the fifty-seven (57) different Senior Electives taken in 2017-2018 was presented, to include a list of the most frequently taken electives. Student participants ranged from one (1) to sixty-nine (69) students per elective. The overall elective score ranged from 4.00 to 5.00/5.00 with an average being 4.80/5.00. A summary of the strengths and weaknesses was given with teaching being uniformly praised and intended outcomes of each rotation being achieved. Occasional comments about needing better organization or clarity of expectations were identified. In summary, the curriculum offers a wide selection of electives that are educationally effective and students use effectively.

The Administrative reviews are shared with MSEC members via a One Drive document storage option.

5. Discussion: CBSE (purpose, benefits, timing, delivery options, marketing)

Dr. Olive brought to MSEC observations of the recently delivered CBSE at the end of the M1 year for discussion.

- Allotted exam time is 5.25 hours
- 71 students were registered to complete the exam
- 16 students completed the exam in 1.25 hours (22%)

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- 35 students completed the exam in 2.25 hours (additional 27%)
- 50 students completed the exam in 3.5 hours (additional 21%)
- All students completed the exam within 4.75 hours

- Exam costs are \$55/student plus proctor time (20 hours)
- Total cost for the CBSE exam is \$4185
- Analysis of CBSE scores compared with USMLE Step I performance

MSEC discussed the pros and cons for delivery of the CBSE to the M1 students to include:

- The number of exams the M1 students were required to complete the last week of the academic year was heavy and students were tired
- Offering the CBSE as an option for M1 students at year end to include issuance of Professionalism reports for non-shows (tests are ordered/paid for in advance of exam)
- The CBSE as a predictor of Step I scores
- The CBSE exam delivery costs
- Students have self-assessments available for a cost from NBME
- Optimum time for administration of the exam based on student planned study time
- Opportunity to produce a publication regarding the delivery and use of the CBSE at the COM
- Options for alternate delivery times in the M1 year and/or the M2 year
 - Prior to the last exam week in the M1 year
 - Upon return to school in July (M2 year)
 - Fall delivery (M2 year) prior to winter break and again at the end of the year (M2 year)
 - Upon return to school in January (beginning of M2 Spring semester) and at the end of the year (M2 year)

Dr. McGowen asked MSEC for further discussion and/or action.

Dr. Bird made a motion to **no longer require** the M1 students to take the CBSE upon completion of the M1 year. Dr. Geraci seconded the motion. MSEC unanimously voted to approve the motion.

The discussion of administering the CBSE in the M2 year will be brought back to MSEC for further discussion and action at the August 21st meeting.

6. Review: Content Report: Mitochondria

Dr. Olive presented a content report on Mitochondria. A search of the curriculum database and syllabi for course objectives identified the content is covered in Cell and Tissue Biology, Cellular and Molecular Medicine, Genetics, and Pathology.

There does not appear to be coverage of the content in the M3 or M4 years. MSEC suggested follow up with the Pediatrics and Surgery clerkships to see if there is coverage of the content. Dr. Olive will follow up with the clerkships and add to the report if coverage is confirmed.

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Dr. Monaco made a motion to approve the Mitochondria content coverage in the M1 and M2 curriculum as sufficient. Dr. Bird seconded the motion. MSEC unanimously voted to approve the motion.

The Mitochondria content report is shared with MSEC members via a One Drive document storage option.

7. Report: Preclerkship (M2) Academic Hours

Dr. McGowen began with a review of the *Preclerkship Medical Student Scheduled Time and Workload Policy 1112-9* and LCME Elements 6.3 *Self-Directed and Life-Long Learning* and 8.8 *Monitoring of Student Time*; all which require MSEC to monitor and ensure that students in the Preclerkship curriculum spend no more than twenty-eight (28) hours per week on average in required activities (with no more than four [4] hours per day on average in lecture). That the curriculum includes self-directed learning experiences with structured self-directed learning blocks that allows time for independent study without conflict or overlap with structured curricular time.

A review of the planned M2 academic hours for the fall and spring semesters of the 2018-2019 academic year identified that the number of required curricular hours per week on average was under twenty-eight (28) hours. Weeks where the average may meet and/or slightly exceed twenty-eight (28) hours include the Doctoring II Clinical & Community Experiences where one-half (1/2) of the students are required to travel to off-site locations for experiences.

MSEC consensus was that the Preclerkship curriculum is in compliance with MSEC Policy 1112-9 and LCME Elements 6.3 and 8.8.

The Preclerkship (M2) Academic Hours report is shared with MSEC members via a One Drive document storage option.

8. Report: Mission Management Tool

Dr. Olive reviewed the 2018 AAMC Mission Management Tool report which is designed to highlight the various missions of LCME fully accredited member medical schools. The document included forty-eight (48) data points in six (6) mission areas with a list of data sources used. The Quillen College of Medicine percentiles and trends were reviewed for four (4) of the mission areas. The other two (2) mission areas are not as relevant to the COM curriculum.

- 1. Graduate a Workforce that Will Address the Priority Health Needs of the Nation**
- 2. Prepare a Diverse Physician Workforce**
3. Foster the Advancement of Medical Discovery
- 4. Provide High Quality Medical Education as Judged by Your Recent Graduates**
- 5. Prepare Physicians to Fulfill the Needs of the Community**
6. Graduate a Medical School Class with Manageable Debt

The overall graduate satisfaction with the quality of medical education for 2018 was at the 47th percentile of all reported colleges which is lower than years past. Dr. Olive presented specific data on each of the four sections related to the educational program and MSEC discussed program strengths and weaknesses.

The Mission Management Tool Full Report and PowerPoint are shared with MSEC members via a One Drive document storage option.

10. Follow Up: Annual Meeting – Dr. McGowen

MSEC was asked to comment on the Annual Meeting held last month, June 12th. Dr. Bobby Miller's Faculty Development session was recorded and is available for viewing:

https://www.etsu.edu/com//acadaffairs/facultyaffairs/upcoming_workshops.php

- Marshall University's student body is similar to COM student body
 - Student perspective on the preclinical curriculum at Marshall appears to be similar to Quillen COM student perspective
 - Student perspective is that Step I is the primary focus and all curriculum coverage not related to passing Step I is a lower priority.
- MSEC's response to the student perspective included:
 - A lot of what Quillen COM teaches is related to life-long learning
 - Teaching students how to think in the first two (2) years contributes to success on Step I
 - Students are learning to think and reason through clinical problems
 - Students are learning physical exam skills
 - The first two years are more than a "Step prep course"
 - Seat time competes with on-line information that is available to students
- The session with Dr. Miller was very interesting
 - Marshall plans to revise their curriculum again, but after their LCME accreditation visit
 - The curriculum changes made by Marshall did not change their student Step performances
 - It is assumed, though not identified in Dr. Miller's presentation, that the curriculum changes at Marshall did have an effect on things not related to Step 1 performances
 - Class attendance at Marshall is lower than previous years as it is here at Quillen COM

With no further comments, Dr. McGowen called the MSEC meeting adjourned at 5:50 p.m.

MSEC Meeting Documents

MSEC Members have access to the meeting documents identified above through a shared One Drive document storage option made available with their ETSU Email account and login. Quick access to the files can be made by clicking on the below link and opening the August 15, 2017 MSEC meeting folder. https://etsu365-my.sharepoint.com/personal/mckinley_etsu_edu/layouts/15/onedrive.aspx?id=%2Fpersonal%2Fmckinley%5Fetsu%5Fedu%2FDocuments%2FMSEC%20Meeting%20Documents

Select the **"new sign-in experience"** option and enter your ETSU email address and password.

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If you are unable to access the One Drive link or have not set up your One Drive contact:

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MSEC Meeting Dates 2018-2019: * NOT 3rd Tuesday – Locations to be determined

August 21 – 3:30-6:00 pm

September 18 – 3:30-6:00 pm

October 16 – Retreat – 11:30 am-5:00 pm

November 13 – 3:30-6:00 pm*

December 11 – 3:30-6:00 pm*

January 15, 2019 – Retreat – 11:30 am-5:00 pm

February 19 – 3:30-6:00 pm

March 19 – 3:30-6:00 pm

April 16 – 3:30-6:00 pm

May 21 – 3:30-6:00 pm

June 11– Retreat 11:30 am-3:30 pm*

June 11 - Annual Meeting - 3:30-5:00 pm*