

**EAST TENNESSEE STATE UNIVERSITY  
QUILLEN COLLEGE OF MEDICINE  
Medical Student Education Committee  
Minutes  
April 5, 2011**

The Medical Student Education Committee of the Quillen College of Medicine  
met on Tuesday, April 5, 2011 at 4:15 p.m.  
in the Academic Affairs Conference Room, Stanton-Gerber Hall.

**Voting Members  
Present:**

Rich Feit, MD  
Dave Johnson, PhD  
Steve Loyd, MD  
Paul Monaco, PhD  
Dawn Tuell, MD  
Jeanne Young, M-4  
Jamie Reagan, M-2  
Jessica White, M-1

***Ex officio* / Non-Voting & Others  
Present:**

Earl Brown, MD  
Russ Hayman, PhD  
Suresh Ponnappa, MSLS  
Lisa Myers, BA

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**1. Approval of Minutes**

Dr. Monaco chaired this meeting; approval of the 3-1-11 minutes is pending Drs. Feit and Kwasigroch's additional discussion with Dr. Olive regarding the Fall 2011 M-1 curriculum.

**2. Topics**

**a. MSEC Course Reports: M-2 Microbiology, Blocks 1 – 4**

Dr. Hayman

Directors (& lecturers)

Dr. Russ Hayman	Course Director, Block-3
Dr. Mike Kruppa	Block-1
Dr. Sara Davis-Hayman	Block-2
Dr. Rob Schoborg	Block-4

Clinical Faculty

Dr. Steve Loyd	Dr. Rob Clemons
Dr. Jon Moorman	Dr. Jay Mehta

- CONTENT and organization of the course is divided among the major groups of microorganisms: bacteria (Block-1 & 2), parasites and fungi (Block-3) and viruses (Block-4). Within each block, medically important microorganisms are presented with emphasis placed on clinical presentation; clinical lectures and labs correlate.

▪ OBJECTIVES:

*After this course, the student should be able to:*

- Perform and evaluate specimens using the Gram stain and other laboratory procedures
- Understand and evaluate data from a clinical microbiology laboratory
- Integrate Microbiology with material presented in other 2nd year courses
- Perform satisfactorily on microbiology-related items on USMLE Step 1
- Demonstrate advanced critical thinking skills
- Function readily and comfortably in clinical coursework, residency and practice related to microbiology and infectious disease

▪ TEACHING METHODS: Lecture, recommended textbook readings, class notes, bacteriology presentation/laboratory sessions organized in organ/disease-based format

▪ EVALUATION METHODS: Total of five exams, one following each of the blocks, plus a comprehensive final. Final is a faculty customized, web-based NBME exam. In addition, a grade is given for laboratory assignments.

- Customized shelf exam worked well, but prevented comparison with national scores
- A passing grade is awarded only if a student demonstrates they have and can utilize the minimum fund of knowledge necessary for their third year clinical rotations

▪ GRADING STRUCTURE:

*The weight of each exam/assignment is as follows:*

Block 1	15%	<b><u>Overall Average</u></b>	<b><u>Letter Grade</u></b>
Block 2	15%	90% or higher	"A"
Block 3	15%	80.0 – 89.9%	"B"
Block 4	15%	70.0 – 79.9%	"C"
Laboratory	10%	Less than 70%	"F"
Final Exam	<u>30%</u>		
	= 100%		

▪ STUDENT FEEDBACK:

*MY OVERALL EVALUATION OF THIS COURSE (2010-2012) IS:*

	<b><u>Blocks 1, 2, 3</u></b>	<b><u>Block 4</u></b>
Excellent	22.2%	73.0%
Good	42.9%	20.6%
Satisfactory	30.2%	4.8%
Marginal	4.8%	1.6%
Total:	100%	100%

The following data compares the Class of 2010's satisfaction with the Microbiology course immediately following it and in the AAMC Graduation Questionnaire. The questionnaire surveys how well the instruction in the basic science subject prepared respondents for clinical clerkship rotations.

	<b>Percentage Rating as "Excellent" or "Good"</b>
Student Evaluation Immediately Following Course	81.6%
QCOM Graduation Questionnaire	98%
National % Rating From Graduation Questionnaire	81%

▪ **PLANS FOR CHANGE:**

Evident in the student evaluations, the biggest issues are with the organization and communication within Blocks 1 and 2.

*The following changes will be implemented to address these as well as other issues:*

- Lectures for Block 2 will be reassigned
- Effort to communicate significance with each bacteria in Blocks 1 & 2 =
  - 1) Clinical presentation
  - 2) Transmission / source
  - 3) Unique characteristic / most important virulence factors
  - 4) Lab tests
  - 5) Treatment
- Audio lecture recordings will be faculty choice
- In place of the customized exam, will go back to Microbiology/Immunology NBME Subject Exam
- Only one Student Evaluation of Course will be requested at the conclusion of Block 4

**b. MSEC Course Reports: M-2 Pathology I & II**

Dr. Brown

▪ **GOALS:**

*The goals of the Pathology Department for the sophomore pathology courses include enabling students to:*

- Learn the pathogenesis and pathophysiology of disease
- Learn the gross and microscopic morphology of disease
- Integrate this knowledge into their basic science knowledge
- Use this knowledge to enhance their future practice of medicine
- Acquire and develop active, independent learning skills
- Understand the activities and skills of a pathologist
- Also, to improve student satisfaction with the pathology courses

▪ **OBJECTIVES:**

*Upon completion of these courses, students should be able to:*

- Explain the basic concepts of pathology
  - Discuss the pathogenesis and pathophysiology of disease affecting the major organ systems
  - Describe the epidemiology, genetics, causes, clinical manifestations, diagnostic testing and therapies for common diseases of the major organ systems
  - Identify disease processes in photos of gross and microscopic tissue specimens
  - Integrate information from Pathology with basic science courses
  - Demonstrate satisfactory performance on pathology-related items on USMLE Steps 1& 2
  - Utilize knowledge of pathology to function readily and comfortably in Clinical Clerkships
  - Demonstrate the ability to perform self-directed learning
- **CORE CONTENT:** Comes from *Pathologic Basis of Disease*, 8th Edition by Robbins and Kumar (2009), W.B. Saunders; additionally, *Atlas of Pathology* by Robbins and Cotran is a source for pictures
- **TEACHING METHODS:** Pathology I & II have a series of didactic lectures. PowerPoint files for all of the lectures are available online. There is a comprehensive set of notes for all of the lectures that includes additional material; also, a CD with Adobe Air that utilizes a database of over 4,000 questions - most with explanations. Students can use this program to study the Pathology sections / lectures or to create a practice exam covering any combination of material. Additionally, all examinations from 1995 to the present are available for review.
- **EVALUATION METHODS:** Four tests per semester following each teaching module, plus at the end of the Spring semester, a comprehensive, departmental final examination that includes material from Pathology I and II
- **GRADING STRUCTURE:** At the end of each semester, the sum of points earned from the exams is used to calculate a percent of total points possible. A final average greater than or equal to 69.50% is a passing grade, less is not. There is no curve of either individual test scores or the final grade averages; 89.50% or greater = A, 79.50% to 89.49% = B, 69.50% to 79.49% = C
- **SUMMARY OF STUDENT PERFORMANCE:** Very good overall; for Pathology I 2010, there were 28 A's, 27 B's and 9 C's; the class average was 86.5%, comparable to Pathology I & II for the past several years
- **SUMMARY OF STUDENT FEEDBACK:** Consistently positive, no major complaints have been registered

- PLANS FOR CHANGE: No plans to change Pathology I or II other than to keep the material current and up-to-date and correlate the lectures to new editions of the Robbins textbook

**3. Recent documents / topics** {On the [MSEC](#) web site or on file in Academic Affairs – contact [myers@etsu.edu](mailto:myers@etsu.edu)}

*MSEC Course Reports:*

- 1) *Microbiology – Dr. Hayman*
- 2) *Pathology – Dr. Brown*

#### **4. Announcements**

*The next meeting will be on May 3, 2011.*

#### **5. Adjournment**

The meeting adjourned at 4:50 p.m.