

# MCAT SEMINAR:

M-DO'S AND M-DON'TS

VINCENT BROWN, UMBC NOAH GOLD, UMBC

## **OVERVIEW**



MCAT BASICS



MY EXPERIENCE



ESSENTIAL MATERIALS



STUDY SCHEDULE TIPS



Q&A

## WHAT'S ON THE MCAT?



Chemical and Physical Foundations of Biological Systems



Critical Analysis and Reasoning Skills



Biological and Biochemical Foundations of Living Systems



Psychological, Social, and Biological Foundations of Behavior

# HOW LONG IS

- 10 min breaks after Chem/Phys
- 30 min break after CARS
- 10 min break after Bio/Biochem

#### **Exam Overview** # of Questions Time Allotted Section 8 minutes Examinee Agreement Tutorial (optional) 10 minutes Chemical and Physical Foundations of Biological 59 95 minutes Systems Break (optional) 10 minutes Critical Analysis and Reasoning Skills 53 90 minutes Mid-Exam Break (optional) 30 minutes Biological and Biochemical Foundations of Living Systems 59 95 minutes 10 minutes Break (optional) Psychological, Social, and Biological Foundations of Behavior 59 95 minutes

5 minutes

5 minutes

6 hours | 15 minutes

Approx. 7 hours | 33 minutes

Void Question

**Total Content Time** 

Total "Seated" Time

Satisfaction Survey (optional)

<sup>\*</sup>Total seated time does not include check-in time on arrival at the test center.

## CHEMICAL AND PHYSICAL FOUNDATIONS OF BIOLOGICAL SYSTEMS



### **Content Breakdown:**

- First-semester biochemistry, 25%\*
- Introductory biology, 5%\*
- General chemistry, 30%\*
- Organic chemistry, 15%\*
- Introductory physics, 25%\*

- 59 questions; 95 minutes
- 8 minutes per passage (10 passages)
- I minute per discrete (15 discrete questions)



### CRITICAL ANALYSIS AND REASONING SKILLS

#### **Content Breakdown:**

- Foundations of Comprehension, 30%\*
- Reasoning Within the Text, 30%\*
- Reasoning Beyond the Text, 40%\*

- Humanities, 50%\*
- Social Sciences, 50%\*

- 53 questions, 90 minutes
- 10 minutes per passage
- 9 passages

## BIOLOGICAL AND BIOCHEMICAL FOUNDATIONS OF LIVING SYSTEMS



#### **Content Breakdown:**

- First-semester biochemistry, 25%\*
- Introductory biology, 65%\*
- General chemistry, 5%\*
- Organic chemistry, 5%\*

- 59 questions, 95 mins
- 8 minutes per passage (10 passages)
- I minute per discrete (15 discrete questions

# PSYCHOLOGICAL, SOCIAL, AND BIOLOGICAL FOUNDATIONS OF BEHAVIOR



#### **Content Breakdown:**

- Introductory psychology, 65%\* (5% are biology-related)
- Introductory sociology, 30%\*
- Introductory biology, 5%\*

- 59 questions 95 minutes
- 8 minutes per passage (10 passages)
- I minute per discrete (15 discrete questions)

# General MCAT Prep

### Must have materials

- MCAT Book set
- Practice tests
  - Book sets: There are many sets from different companies. For ex: I used the Kaplan set and have had a good experience.
  - Practice tests: essential to practice AAMC versions

### **Study Steps**

#### Phase I

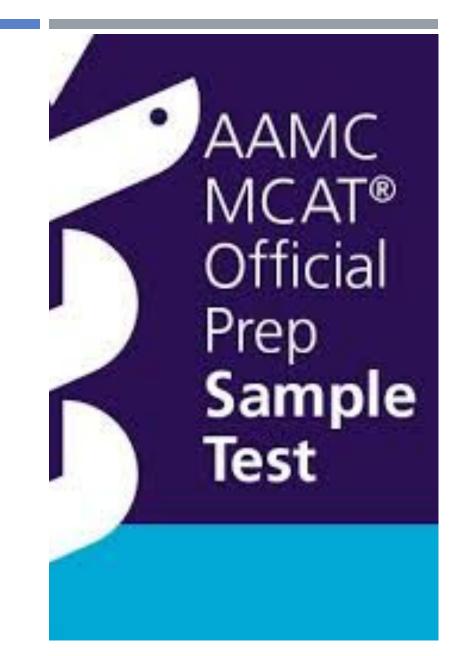
- Diagnostic exam
- Inclusive content review
- Periodic "checkpoint" tests

#### Phase II

- Continued review of topics (as needed)
- Practice

### MY MCAT EXPERIENCE:

- Began on June 1<sup>st</sup>; Took exam on August 9th
- Started with the AAMC Sample Test
  - Strong and weak points?
- Used this to see what I needed to spend the most time on
- Created my schedule from this



N/A Percentile Rank ①

171 of 230 Questions Correct 05:13:18 Time Spent 05-31-2019 Attempt Date

Configuration

Total Time: 07:22:00 (x 1 time applied)

Test Sections

Review All Questions

Sections	Scaled Score	Percentile Rank	Questions Correct	Questions Incomplete	Avg. Time Per Question	# Flagged Answered Correctly	# Flagged Answered Incorrectly	
Chemical and Physical Foundations of Biological Systems	N/A	N/A	38 of 59	0	00:01:23	0	3	<b>»</b>
Critical Analysis and Reasoning Skills	N/A	N/A	41 of 53	0	00:01:34	3	5	<b>»</b>
Biological and Biochemical Foundations of Living Systems	N/A	N/A	47 of 59	0	00:01:30	8	6	<b>»</b>
Psychological, Social, and Biological Foundations of Behavior	N/A	N/A	45 of 59	0	00:01:01	3	1	<b>»</b>

506

### MY SCHEDULE





Sunday-Friday; Took Saturday off



Each day I would read my assigned chapters (Kaplan) from 8-12PM



Practice questions from the AAMC section bank for about an hour; I CARS passage a day



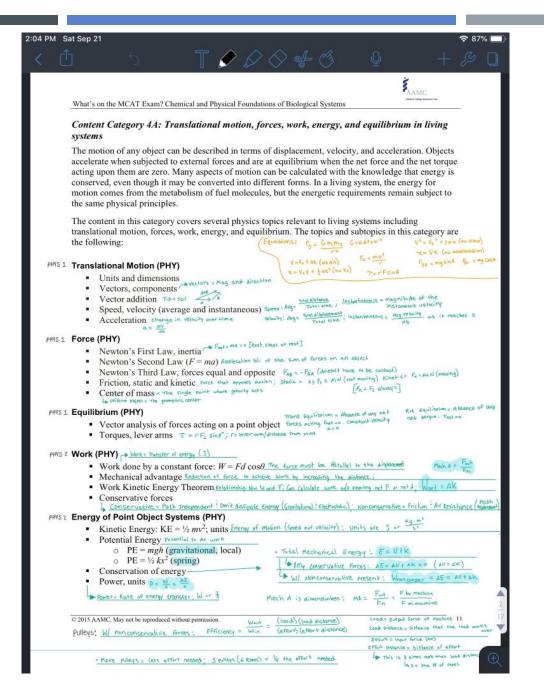
Watch any Khan Academy videos that I needed to help me understand something



Watched the corresponding Picmonic Videos of the content

# MCAT STUDY GUIDE

- AAMC MCAT <u>Content Guides</u> for each section
- Read the Kaplan chapters and filled in notes on the content guides

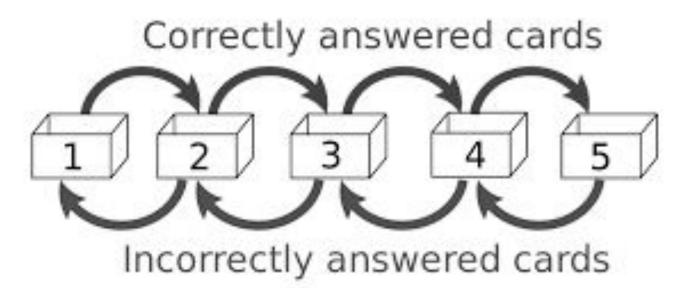


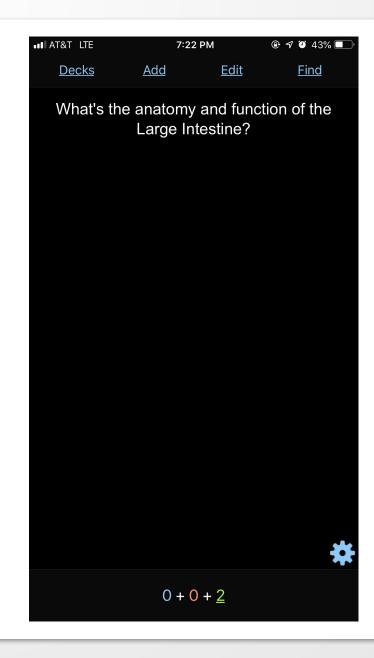
# MCAT STUDY GUIDE

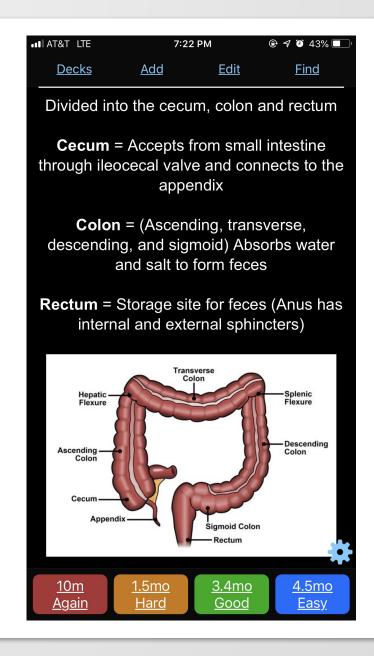
- AAMC MCAT <u>Content Guides</u> for each section
- Read the Kaplan chapters and filled in notes on the content guides (at first)
- Then started to ANKI everything

## **ANKI**

- Anki is a spaced repetition flashcard software.
  - Helps with the "curve of forgetting".
- Reviewed my cards EVERY DAY



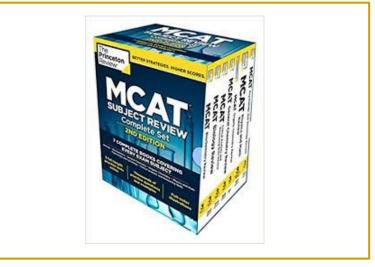


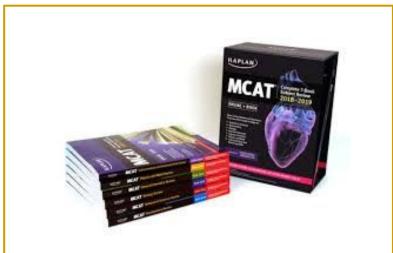


### **OVERALL STUDY TIMELINE:**

- Content review from June 1<sup>st</sup> to July 28<sup>th</sup>
- I took a total of 7 Full lengths (4 AAMC, 3 Next Step)
- AAMC Test I on June 15<sup>th</sup>: 508
- Next Step I on July 13<sup>th</sup>: 510
- Next Step 2 on July 29<sup>th</sup>: 512

- Next Step 3 on July 31<sup>st</sup>:511
- AAMC 3 on August 2<sup>nd</sup>:515
- AAMC 2 on August 5<sup>th</sup>: 516







- Books I used: Kaplan 7-book set
- Other good books: Princeton Review, Examkrackers, Next Step

### ANKI:

Spaced Repetition to help you remember MCAT material

12 Months

Save **\$72** 

\$3<sup>99</sup>/mo

\$47.88 Billed Once

**BUY NOW** 

Free desktop and Android app (\$25 for IOS app)

#### Picmonic:

- Picture mnemonics for most of the MCAT topics
- Basic version is free and premium is



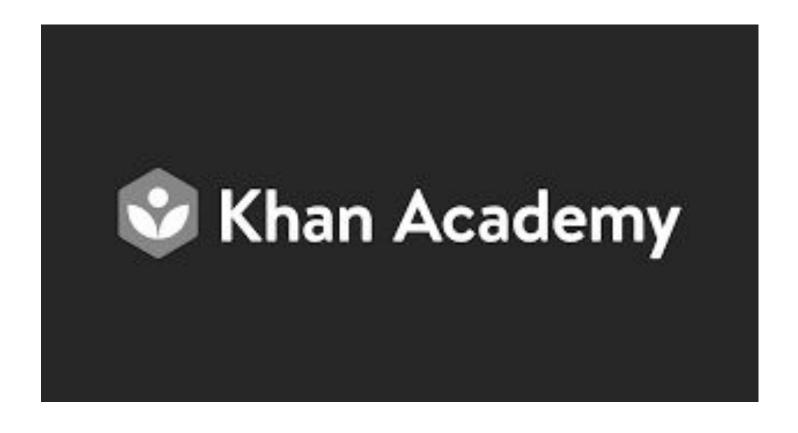
## All AAMC materials:

- 5 Full lengths tests (Starting October)
- Section Bank and Question Packs (Best CARS practice available)

# Next Step Materials:

- Up to 10 Full Lengths; I for free (4 for \$99)
- Master Classes on all MCAT topics and strategies (FREE)

- Khan Academy:
  - Has a whole section devoted to MCAT prep



- Podcasts and YouTube!
  - The MCAT PODCAST
  - AK Lectures on YouTube



# HOW TO MAKE A SCHEDULE

- Prioritize your WEAK areas
  - Can't improve in them if you don't work at them
- Schedule in practice questions frequently
- DO FULL LENGTH TESTS!!!!
  - AAMC (Best there is!) and Next Step (Next best thing)
- Decide when you want/can take the MCAT.
  - Determining your <u>test day</u> is VERY IMPORTANT
- Then use studyschedule.org to create a schedule that works best for you

# AAMC FEE ASSISTANCE PROGRAM (FAP)

Helps students afford the MCAT and apply to Med schools through AAMCAS.

### Eligibility:

- U.S citizen, DACA, Green Card holder, Permanent Resident, Granted asylum/refugee status.
- Must have a total family income of 300% the National Poverty Line for your family size.

#### Benefits:

- Get all the AAMC test prep materials for free.
- MCAT costs \$130 instead of \$320.
- Free access to MSAR.
- Waiver for all AAMCAS fees for (1) application with up to 20 different med schools.

# PRE-SUBMITTE D QUESTIONS:

- What advice would you give current sophomores to prepare for mcat?
  - Make sure to really LEARN the material the first time.
  - Save your notes.
  - Research what's on the MCAT and look for resources that you can use when you start studying.
- What study material would you recommend to purchase (Kaplan, Princeton, etc.)?
  - Kaplan (Because that's what I used).

# PRE-SUBMITTE D QUESTIONS:

- What is the best way to read a paragraph, understand it, grasp the REAL question, and answer it correctly in the time constraint we have?
  - This comes with practice. You have to find out what works best for you by doing lots of practice passages and full lengths.
  - One thing you can do is highlight key words, results, or correlations you find in the passage. (What I did)
- How early should we start studying?
  - Depends on how much time you need to study: Do you understand most of the material from when you learned it in class?
  - 2-3 months (or entire summer) if that's all you're doing; 5-6 months if you are taking classes while studying.
- When should you take the MCAT (at what level of education or after taking what courses)?
  - Most ideal: After all pre-requisites; But this depends on how comfortable you are on self teaching (I don't recommend)

# YOU ALL CAN DO IT!!!!!!

# YOU CAN GET THE SCORE YOU WANT/DESERVE!!!

Q&A

■ What questions can I answer?



## LINKS TO RESOURCES

- Study Schedule Maker
- AAMC MCAT Materials
- ANKI
- Picmonic
- Next Step MCAT Prep
- Khan Academy
- AK Lectures