

Biology 1040: DAT PREPARATION SPRING 2018 SYLLABUS

Instructors:

Ryan Gallegos ryan.gallegos@aggiemail.usu.edu
Tyler Christiansen tylerc8899@gmail.com

SUPERVISING FACULTY MEMBER

D. Andy Anderson andy.anderson@usu.edu

COURSE MEETING TIMES

Monday and Wednesday 3:30-5:20 pm HPER 118

There will be three Saturdays throughout the semester in which you will have the chance to take full-length practice DAT exams. Students will be informed of the location prior to the test days. We will use Top Score Pro exams. **DO NOT PURCHASE UNTIL AFTER THE SEMESTER HAS BEGUN.**

Note: In order to receive a "P" for the course **you must attend 24 of the 29 periods and two of the three Saturday practice exams.**

COURSE OVERVIEW

This course is for pre-dental students preparing to take the Dental Admissions Test in the upcoming year. It should be taken as a supplement to the student's studies and not as a sole means of preparation. During class the instructors will present important information on the DAT and teach important test taking strategies and skills. In addition, students will be given practice problems to test their understanding of each topic. Each student should come prepared to discuss the material that will be presented for that day by completing reading assignments given in class. This class is meant to be a brief review of the majority of the material that will be on the DAT. The best way for an individual to take advantage of this class is to come prepared for class and set aside time for review and practice. The DAT will be a primary criterion for an applicant's acceptance into dental school. Students will also make a list of schools they have interest in attending and each student will present general information on that school to the class. Toward the end of the semester, we will also go over interview questions and how to prepare for dental school interviews. We will also spend time setting up a study schedule to individually prepare for the DAT.

COURSE GOALS

This course will provide students with a sound understanding of all the sections on the DAT and help them to build the testing skills necessary to excel in each section. In addition, it will provide students a good review of the concepts that are most commonly seen on the actual test day. The class should be used as a measuring stick to gauge an individual's understanding of material that will be on the DAT. Other topics including application process, AADSAS, how to select schools to apply to, and interviewing procedures will also be discussed.

REQUIRED MATERIALS

The instructors have decided not to provide these materials through the bookstore because it will be less expensive for students to buy them for themselves. All materials can be found on the internet or from other dental students who have taken the DAT.

TopScore Pro for the DAT

Cost \$59.95

This is a set of 3 practice exams, 2 of which you will be required to take. You are welcome to take all three practice exams, or you can save the third for your personal study in the summer.

SUGGESTED MATERIALS

While these will not be required for the class, these are the tools that the instructors believe are necessary to be able to score well on the DAT. It seems expensive, but these self-study materials will save lots of money compared to an off campus prep course.

DAT Destroyer/Math Destroyer

\$200 for both

This is a good investment because you can sell it to one of your peers when you're finished with it. Any edition within the last 4 or 5 years will be acceptable. If you want to save money, try to buy it from another dental student who has already taken the DAT. This is a book full of practice questions and solutions. We will use this frequently in class.

Chad's Videos

Cost \$50/month

Chad is a DAT prep instructor that has recorded his lectures. These are very good reviews of the material you will need to know for the DAT. Purchasing gives you access to the videos and resources for a certain number of days.

DAT Bootcamp

Cost \$250

This program allows you access to 10 different practice exams for each section of the DAT. We will use PAT generators from DAT Bootcamp that will set a foundation of expectations of the actual DAT. There are 5 full length practice exams that you will do the last week of your studies.

Cliffs AP Biology Notes

Cost: Free PDF

Start with this in your biology review, then check your notes with Feralis' notes.

Feralis' Biology Notes

Cost: Free on DAT Bootcamp

A student put together a comprehensive guide to the DAT biology information. Anything you need to know for the DAT biology section will be on these notes.

PRACTICE TESTS

A total of three practice test opportunities are offered during the semester. They will be offered on the Saturdays specified in the day-by-day schedule. These tests are part of the requirements to pass the class and you should plan accordingly. **Once again, it is mandatory that you attend at least two of the three.**

GRADES

The course is graded pass/fail and is worth one credit. The grade is based on attendance and the student must attend 83% (24 out of 29) of the classes and two of the three Saturday practice test opportunities. Students must attend the tests on the days specified on the syllabus. Family events, work, or similar responsibilities will not excuse an absence. Attendance will be taken daily and turned in for grading purposes. **Signing the attendance sheet for class is mandatory!** If a student does not attend at least the minimum number of classes or does not take the minimum number of Saturday tests, the student will receive an "F."

STUDENTS WITH DISABILITIES

Students with physical, sensory, emotional or medical impairments may be eligible for reasonable accommodations in accordance with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973. All accommodations are coordinated through the Disability Resource Center (DRC) in Room 11 of the University Inn, 797-2444, 797-0740 TTY, or toll free at 1-800-259-2966. Please contact the DRC as early in the semester as possible. Alternate format materials (Braille, large print or digital) are available with advance notice.

UNACCEPTABLE CLASSROOM BEHAVIOR

Since a significant goal of this class is to prepare each of you for the upcoming DAT, behavior that disrupts the classroom environment will be discouraged.

1. Once class has started, cell phones must be silenced and no conversations or texting are permitted.
2. Once class has started, talking among students is strongly discouraged. If you need to talk, please leave the class and conduct your conversation outside. IF students persist in talking they will be asked to leave the room so other students can benefit from the limited amount of class time available.

DAT PREP Schedule

Date	Material To Cover	Resource	Important Dates
08-Jan	1. Introduction to Instructors and DAT (dentpin registration) 2. Introduction to PAT - videos	DAT BC	Register for Dentpin
10-Jan	1. PAT - AR* 2. Biology - Ch. 1 - Chemistry of life 3. Mike's videos - GC Chapter 1 - Stoichiometry	DAT BC Ferrali's notes Mike's Videos	
15-Jan	No Class (Martin Luther King, Jr. Day)	-----	
17-Jan	1. PAT - Keyhole 2. Biology Ch. 2 - Cells 3. Mike's videos GC Ch. 2 - Atomic and Electronic Structure	DAT BC Ferrali's notes Mike's Videos	
22-Jan	1. PAT - AR 2. Biology Ch 3A - Cellular Respiration 3. Mike's Videos GC Ch. 3 - Molecular Structure	DAT BC Ferrali's notes Mike's Videos	

24-Jan	<ol style="list-style-type: none"> PAT - Keyhole Biology 3B - Cellular Respiration Mike's Videos GC Ch. 4 Periodic Trends 	DAT BC Ferrali's notes Mike's Videos	
29-Jan	<ol style="list-style-type: none"> PAT - AR Biology 4A - Photosynthesis Mikes Videos - Ch. 5 - Gases 	DAT BC Ferrali's notes Mike's Videos	(Last Day to drop w/out annotation)
31-Jan	<ol style="list-style-type: none"> PAT Keyhole Biology Ch. 4B - Photosynthesis Mike's Videos Ch. 6 - Liquids and Solids 	DAT BC Ferrali's notes Mike's Videos	
5-Feb	<ol style="list-style-type: none"> PAT AR Biology 5A - Cell Division Mike's Videos Ch. 7 - Chemical Solutions 	DAT BC Ferrali's notes Mike's Videos	
7-Feb	<ol style="list-style-type: none"> PAT Keyhole Biology 5B - Cell Division Mike's Videos Ch. 8 - Chemical Kinetics 	DAT BC Ferrali's notes Mike's Videos	
12-Feb	<ol style="list-style-type: none"> PAT - AR Biology 6A - Heredity Mike's Videos Ch. 9 - Chemical Equilibria 	DAT BC Ferrali's notes Mike's Videos	
14-Feb	<ol style="list-style-type: none"> PAT Keyhole Biology 6B - Heredity Mike's Videos Ch. 10 - Acid Base Equilibria 	DAT BC Ferrali's notes Mike's Videos	
19-Feb	No class (President's Day)	-----	
20-Feb (Tues)	<ol style="list-style-type: none"> PAT - AR Biology 7A - Molecular Genetics Mike's Videos Ch. 11 - Thermodynamics 	DAT BC Ferrali's notes Mike's Videos	(Monday Class Schedule)
21-Feb	<ol style="list-style-type: none"> PAT Keyhole Biology 7B - Molecular Genetics Mike's Videos Ch. 12 - Electrochemistry 	DAT BC Ferrali's notes Mike's Videos	
26-Feb	<ol style="list-style-type: none"> PAT - AR Biology 8 - Evolution Mike's Videos Ch. 13 - Nuclear Rxns 	DAT BC Ferrali's notes Mike's Videos	
28-Feb	<ol style="list-style-type: none"> Math Review Math Destroyer - Full Length Exam 	Math Destroyer	
5-Mar	No Class (Spring Break)	-----	
7-Mar	No Class (Spring Break)	-----	
12-Mar	<ol style="list-style-type: none"> PAT - Keyhole Biology 9A - Biological Diversity Mike's Videos OC Ch. 1 - Bonding and Molecular Geometry 	DAT BC Ferrali's Notes Mike's Videos	
14-Mar	<ol style="list-style-type: none"> PAT - AR Biology 9B - Biological Diversity Mike's Videos Ch. 2 - Acids and Bases 	DAT BC Ferrali's notes Mike's Videos	
17-Mar	SATURDAY: Practice Test 1	TopScore	
19-Mar	<ol style="list-style-type: none"> Math review Full Length Math Destroyer exam 	DAT BC Ferrali's notes Mike's Videos	

21-Mar	<ol style="list-style-type: none"> PAT - AR Biology 10A - Plants Mike's Videos Ch. 3 - Nomenclature and Ch. 4 - Stereochemistry 	DAT BC Ferrali's notes Mike's Videos	(22 March- Last day to drop with a "W")
26-Mar	<ol style="list-style-type: none"> PAT - Keyhole Biology 10B- Plants Mike's Videos Ch. 5 - Spectroscopy 	DAT BC Ferrali's notes Mike's Videos	
28-Mar	<ol style="list-style-type: none"> PAT - AR Biology 11A - Animal Forms and Function Mike's Videos Ch. 6 - Intermolecular Forces and Ch.7 Alkene and Alkynes 	DAT BC Ferrali's notes Mike's Videos	
2-Apr	<ol style="list-style-type: none"> PAT - Keyhole Biology 11B - Animal Forms and Function Mike's Videos Ch. 8 Substitution/Elimination 	DAT BC Ferrali's notes Mike's Videos	
4-Apr	<ol style="list-style-type: none"> PAT - AR Biology 11C - Animal Forms and Function Mike's Videos Ch. 9 - Radical Halogenation and Diels Alder and Ch. 10 Aromatic Compounds 	DAT BC Ferrali's notes Mike's Videos	
7-Apr	Saturday: Practice Test 2	TopScore	
9-Apr	<ol style="list-style-type: none"> PAT - Keyhole Biology 12A - Animal Reproduction and Development Mike's Videos Ch. 11 - Alcohols, ethers, and epoxides 	DAT BC Ferrali's notes Mike's Videos	
11-Apr	<ol style="list-style-type: none"> PAT - AR Biology 12B - Animal Reproduction and Development Mike's Videos Ch. 12 Carbonyls 	DAT BC Ferrali's notes Mike's Videos	
16-Apr	<ol style="list-style-type: none"> PAT - Keyhole Biology 13 - Animal Behavior Mike's Videos Ch. 13 - Carboxylic Acids 	DAT BC Ferrali's notes Mike's Videos	
18-Apr	<ol style="list-style-type: none"> PAT - AR Biology 14 - Ecology Mike's Videos - Ch. 14 Alpha-Substitution Rxns 	DAT BC Ferrali's notes Mike's Videos	
21-Apr	SATURDAY: Practice Test 3	TopScore	
23-Apr	Work on applications/personal study schedule	DAT BC AADSAS	
25-Apr	Work on applications	DAT BC AADSAS	

*AR - Angle Ranking