

Pharmacology – Dosage & Calculations
Syllabus
Ben Barber Innovation Academy, A230

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Course Information:

Health Science Theory is a non-weighted 18-week course designed to give students the opportunity to further investigate areas of the health science field, and consider the importance of professional integrity as it relates to medical ethics and communication. Students will learn skills to prepare them for upper-level courses and a career in the medical field. Students will have the opportunity to learn patient assessment skills such as vital signs and how to appropriately respond to emergency situations. Student will be trained in CPR and basic first aid. Multiple Project Based Learning opportunities will be available throughout this course. This course is a prerequisite for all upper level Health Science Technology courses. Students are encouraged to participate in Future Health Professionals (AKA HOSA), which is a co-curricular youth organization. (For grades 10th through 12th)

Certification Information:

Students have the opportunity to obtain Basic Life Support CPR certification for healthcare providers through the American Heart Association. To receive CPR certification, students must demonstrate CPR/AED skills successfully (for adult, child, & infant) without any assistance, hints, or prompting from the instructor. Students must also score 84% or higher on the written exam which measures the mastery of cognitive skills. Skills check-off, as well as the written exam, will be administered during the 2nd grading period of this course while the class is in session. Students are required to attend two-thirds of the training to take the exams. There is no age requirement to take the exams, and there is no cost for those taking the exams during the course. There is no internship/externship requirement associated with this certification, but class attendance is critical for successful completion of the course and certification acquisition. This certification or renewal of certification is may be offered in some of the other health science courses.

Resources:

- Google Classroom – Class Code: ibpxht
- Pickar, Gloria D. Dosage Calculations: A Ratio-Proportion Approach, 4th ed. Clifton Park: Cengage Learning, 2015.

Supplies:

- iPad or other wireless device with internet capability; if available
- Pencil or Blue/Black pen for all assignments and tests; notes may be taken in any color
- Notebook paper

Class Rules:

- Be responsible and dependable. Bring all supplies every day including wearing your ID during class.
- Use appropriate language, no bullying.
Treat everyone and everything, including you, with respect (both physically and verbally).
Have a positive attitude. Help build the self-esteem of your classmates, teacher, and substitutes.
- Follow directions first time given.
- Dress Code and Tardy Policy will be enforced according to the MISD student handbook.
- No going through the teacher's or other classmates' personal belongings without permission.
- No use of electronic devices, unless given permission.
No devices, including Smart Watches, will be allowed during quizzes or tests!!
- Do your own work.

Course Schedule: Expected Quizzes and Exams 1st 6 weeks: All other assignments will be available in Google Classroom & will be posted in the classroom; dates are subject to change!

-Quiz #1: August 29th

-Exam #1: September 6th

-Quiz #2: September 12th

-Exam #2: September 20th

Grading Scale:

A = 90 – 100

B = 80 – 89

C = 70 – 79

F = Below 70

An "Incomplete" (I) reflects incomplete student work and is not considered an academic grade

Relative Value:

Major GRADES (TESTS, PROJECTS, LENGTHY ASSIGNMENTS, ETC.) = 40%

**These will be listed under "TESTS" ON SKYWARD*

DAILY GRADES (HOMEWORK, QUIZZES, PARTICIPATION, ETC.) = 60%

SEMESTER EXAMS = 20% OF FINAL GRADE

Re-Take Policy:

- Students who fail a major test/assessment (below 70%) will be allowed to retake a test up to a 70% grade. *This does not include semester examinations.*
- Students are expected to make arrangements with the teacher to retake major tests/assessments.
- Each situation/test is different; therefore, the requirement for re-testing will be different for each individual and test. The work required to re-test will be based on the original test, amount of effort put into the test by the student, and what the student misunderstood with the test
- Students are encouraged to participate in tutoring opportunities before retaking a test.
- All retakes must be completed prior to the end of the grading period in which the test was administered unless the student is afforded time, after the six week grading period, as a result of the district's absent/make-up guidelines. See UIL Eligibility ("No Pass/No Play") guidelines for additional information related to grades and UIL Eligibility.

Late, Missing, or Incomplete Assignments:

- Teacher designates due date and time for assignment (Beginning of class period, End of class period, designated time of day); Any assignment turned in after I have already called for them, whether during class or later in the day, to be turned in is considered late.
- If student fails to meet the due date and time, then the student has until the next class period (next A day or B day) to turn in assignment to be considered one day late.
- Students will be assessed a penalty of 30% points for one class period late.
- Score of a zero may be given for work turned in after one day late.

Semester Exams:

Each semester, specific exam schedules are designated for MISD high school and dual credit courses. These schedules must be followed. Neither mid-term nor final exams are given early. If a student is absent on the day of an exam he/she will take the exam at a date/time designated by the school.

Class Participation:

Students are required to actively participate throughout the semester during discussions, labs, group work, etc. Throughout the semester, multiple participation grades will be taken and averaged to equal 1 daily grade per six weeks. Students are to remain seated, listening/working, and raise their hand to ask a question or leave the room during: lecture, tests, quizzes, reading time, and/or educational videos.

Student Responsibilities after an Absence:

It is the student's responsibility to find out the assignments that they missed while they were out. The student should check the white board agenda area, ask their peers, and ask the teacher for missed work. If a student does not miss any new information during an absence, they will be expected to take previously scheduled tests and quizzes no later than the day they return to school. Reviews do not count as "new information." Any pre-assigned assignments that was due while the student was out will be held to the classroom late policy.

Makeup Work:

- The teacher may assign the student makeup work based on the instructional objectives for the course and the needs of the individual student in mastering the essential knowledge and skills or in meeting course requirements.
- A student will be responsible for obtaining and completing the makeup work in a satisfactory manner and within the time specified by the teacher. When absent, the student is afforded the number of days missed plus one additional day to turn in work that was assigned while they were out. [A/B Block Example: A student misses Monday of the week and he/she returns on Wednesday of that same week. Student work from Monday's absence is considered late after Friday's date/time deadline.
- A student who does not make up assigned work within the time allotted by the teacher will receive a grade of zero for the assignment. See *"Late, Missing, or Incomplete Assignments"*
- A student is encouraged to speak with his/her teacher if the student knows of an absence ahead of time, including absences for extracurricular activities, so that the teacher and student may plan any work that can be completed before or shortly after the absence.
- A student will be permitted to make up tests and turn in projects due in any class missed because of absence. Teachers may assign a late penalty to any long-term project in accordance with time lines approved by the principal and previously communicated to students; long-term projects are expected to be turned in before or on the due date. Absences on the due date of a long-term project will not excuse a student of the responsibility of turning in a final product.
- See UIL Eligibility ("No Pass/No Play") guidelines for additional information related to grades and UIL Eligibility.

Tutorials:

If you are having any problems with the assignments, or have a failing grade, tutorials are available for you to get help. Tutorials are offered Monday – Friday in the mornings (starting at 6:45 am) and after school (until 3pm); unless I am scheduled for a meeting, out for the day, or have hall duty. Extended Tutorial Hours are available upon request and/or deemed necessary.

LABORATORY SAFETY:

In some courses these issues can literally be a matter of life or death. All students are expected to use common sense and safety when conducting an experiment. Information that is more detailed will be given prior to any labs being conducted.

COMPUTER PROCEDURES:

- 1) Students must have teacher authorization before use of class' computers.
- 2) Students' internet activities should be directly related to the current assignment.
- 3) Students are to log off their computer at the end of each session, and the last class of the day should shut all systems down.
- 4) Students will not download nor install software unless specifically instructed to do so by the teacher.
- 5) Students may not bring outside media into a computer area without prior approval. This would include USB drives, CDs, DVDs, or any other form of electronic media.
- 6) The use of the district network services is a **PRIVILEGE**, not a right. Students will follow the acceptable use policy of Mansfield ISD at all times. Inappropriate use may result in the cancellation of those privileges.
- 7) Violations will be referred to a campus administrator for disciplinary or legal action.

Academic Dishonesty:

“Academic dishonesty includes, but is not limited to: plagiarism, fabrication of information, not properly using citations to give the owner credit, submitting the work of another person, allowing another person to substitute for oneself in completing the course work or taking a test, submitting work previously used without informing the instructor and securing approval, or tampering with computer files and/or academic work of others.”

Consequences for academic dishonesty:

Daily Work

- Every Offense
 - Academic and Disciplinary Consequences
 - Assign grade of zero
 - Write a referral
 - Teacher contacts parents
 - Consequence from administrator would be a minimum of AC placement

Exams or Other Major Assessments

- Every Offense
 - Academic and Disciplinary Consequences
 - Assign grade of zero
 - Write a referral
 - Teacher contacts parents
 - Consequence from administrator would be a minimum of AC placement
 - An alternative exam or major assessment can be completed for a maximum grade of 70%
 - Academic Associate is notified and will schedule a meeting with student, parent and teacher

Selection Process for Advancement:

Advancement in the Health Science Program is highly competitive. Students wishing to advance will be evaluated in this class based upon: subject knowledge, quality of work, initiative, cooperation, participation, attitude, dependability, attendance, interpersonal skills, personal appearance, and personal safety, and grade. Students interested must pass the course, and pass an evaluation to be eligible for advancement. Advancement in the program is not guaranteed!!

Syllabus Confirmation

Please sign, detach, and return this form. Signatures will serve as acknowledgement that the student and parents have read and understand the course syllabus. This acknowledgement form must be returned in order to participate in any labs. Students who miss labs due to not turning in proper paperwork will be docked points.

Student Name: _____

Home Campus: _____

Student Signature: _____

Date: _____

Student Email: _____

Parent Name: _____

Parent Email: _____

Daytime Phone: _____

Date: _____

Parent Signature: _____