

Math 1332.12 Syllabus Fall 2017

Course Title: College Mathematics

Room: Lee Drain Building Room 212

Class Time: Tuesday/Thursday 12:30 – 1:50 pm

Instructor: Sarah Fritsch

Office: Lee Drain Building Room 409

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Office Phone: 936-294-1562

Office Hours: Mon / Tues / Wed / Thurs 11:00 – 11:50 am

Final Exam: Tuesday, December 5, 1:00 – 3:00 pm in LDB 212

When e-mailing instructor: Give you name, course (Math 1332), course time (12:30 pm), and write professionally

****E-mail or stopping by during office hours are my preferred methods of communication****

Course Description:

MATH 1332. College Mathematics. 3 Hours. This course is designed to meet the objectives of Component area 2 of the core curriculum for non-business and non-science related majors. Topics may include sets, counting principles, probability, logic, linear algebra, linear programming, mathematics of finance, geometry, and calculus. Applications are emphasized. Prerequisite: Passing score on the MATH TSI Assessment or equivalent. (From Sam Houston State University 2017 – 2018 Undergraduate Catalogue)

Textbook: Johnson. *Mathematics: Practical Odyssey*. ISBN: 9781285111780

Required Material:

Scientific calculator. Please read info about calculator requirements below.

You must print off and bring the *Math 1332: College Mathematics Student Workbook Class Notes & Assignments* to class each day. This will be posted in Blackboard

Grades:

Grades will be based on a point system. Grades will be posted periodically on Blackboard.

Category	Points per Assignment	Number of Assignments	Total Points per Category
Homework Assignments	10	24	240
Activities	25	2	50
Class Participation	25	4	100
Practice Tests (On-line)	25	4	100
Tests	200	4	800
Final Exam	200	1	200
Total Points			1490

There are a total of 1490 points possible. Letter grades will be calculated based on 1430 points being a 100%. A perfect score of 1490 would be equivalent to 104%. Letter grades will be assigned at the end of the semester as follows:

Course Letter Grade	Requirements
A	At least 1287 points (90% +) and at least 140 points (70% +) on the final exam
B	At least 1144 points (80% +) and at least 140 points (70% +) on the final exam
C	At least 1001 points (70% +) and at least 120 points (60% +) on the final exam
D	At least 858 points (60% +) and at least 110 points (55% +) on the final exam
F	Less than 858 points (0 – 59.99%) or below 110 points (0 – 55%) on the final exam

Learning Objectives:

- Use symbolic logic to represent and analyze statements.
- Create truth tables and use them to analyze statements.
- Use equivalence relationships to write equivalent statements and negations of statements.
- Use graph theory to represent relationships between individuals.
- Analyze and categorize graphs.
- Work application problems related to Euler graphs, Hamiltonian graphs, and spanning networks.
- Determine who wins an election when the plurality method, instant run-off method, Borda count, and pair-wise comparison are used.
- Determine when an election satisfies the fairness criterion.
- Solve problems related to percent increase and decrease, simple interest, and compound interest.

Homework Assignments:

The course homework assignments are included in the student workbook that is posted on Blackboard. You must complete the assignments in the space provided on the workbook pages. The homework due dates will be posted on the course calendar. If multiple assignments are due on the same date, they should be stapled together.

One grade will be awarded for all assignments turned in on the same date. The homework is worth 10 points per assignment. For instance, if Assignments #1 - #2 are due at the same time, then they together will be one grade worth 20 points.

Homework will be placed in a stack on the instructor's desk upon entering the classroom. It is a student's responsibility to have their work stapled and completely ready to turn in the moment they walk into the room. If a student is late, their homework is late and will not be accepted. Late homework will not be accepted under any circumstances.

It is your responsibility to start working on the homework early enough to give yourself time to get help if needed. There are 40 extra points over the course of the semester. This is designed to take into account that students may have unplanned absences, forget their homework, or struggle on an assignment. Please do not ask for an assignment to be accepted late.

Class Participation:

The work completed with your group is one of the most vital parts of the course. On days when group work will be done, grades will be given for participation. To receive points for participation for the day students must be present, on time, awake, engaged in group work, engaged in taking notes, have required materials, and not involved in unrelated activities (texting, reading newspapers, completing homework, taking down notes from a day you missed, etc.). If you are not in **your** assigned seat, you will be counted absent and lose points for participation.

Class Work:

There will be periodic in-class activities that will be collected and graded.

Practice Tests:

There will be a practice test each unit on Blackboard. These will work as reviews for each test. If you do not at least open the practice test on Blackboard, then Blackboard will not be able to open a copy later to study. This is just like a more traditional paper assignment. If you didn't turn the assignment in, you would not receive a copy of it back to study from. If you do not complete the practice test, you can still use the homework assignments and in-class assignments that you have received back as you study for your test.

Review Activity:

There is one review activity that will be completed before we start Unit 4. There are videos on Blackboard to help you take notes on this topic. There is also an activity to be completed that is due the first day of Unit 4.

Tests:

In-class tests will be given. Test dates will be announced in class. Test grades **cannot** be changed with test corrections. One test grade will be dropped and replaced with your score on the final exam.

Calculators:

You must have a calculator that can calculate large exponents such as $1.01^{(365)}$ and negative exponents $(3.2)^{(-2)}$.

If a student has a calculator other than calculators in the following series TI-30, TI-34, TI-36, and TI-BA, they **must** show it to the instructor or risk that it will not be allowed on the test. Calculators in the TI-83, TI-84, TI-89, TI-Nspire or TI-Voyage series are **not allowed** on tests. The instructor will decide whether any calculator is allowed on each test.

Final Exam:

The final exam will be cumulative. All students must take the final exam. The exam will replace **one** low or missed test. The final exam will not be dropped and will be a grade unto itself in addition to replacing one low or missed test. In addition to earning a certain percentage of points overall, each course grade corresponds to a minimum score on the final exam.

Classroom Policies:

Electronics Use in the Classroom:

Students are expected to take notes by hand on paper during the lecture. Traditional note taking encourages students to analyze and synthesize the material being covered as they write notes.

Students MAY NOT take notes on computers or tablets. Students should never attempt to take notes by taking photos. While this is surely not the intention of the student, this communicates that they don't feel like it is worth their effort to invest the personal exertion required to write down what is being put on the board. Students may not record the lectures in video, audio, or photographic form. The only exceptions to these policies would involve documentation from the office of Disability Services stating that one of the activities prohibited above is an appropriate accommodation for a recognized disability.

There should be no use of cell phones, laptops, or tablets in class. I should not see any of these items out on your desk under any circumstances. If I see it, I will assume that you are "engaged in non-course related activities" and will mark you as absent for the day. Per the syllabus, students being not mentally present, i.e. engaged in non-course related activities of any kind, is equivalent to not being physically present in the room.

Classroom Behavior:

If a student's behavior is disruptive to other students, the student will be asked to leave and marked absent for that day. If a student is not engaged in the course (i.e. sleeping, texting, working on out-side work, etc.), the student will be marked absent and e-mailed by the instructor after class. Please refer to the classroom attendance policy.

Stepping into the Hall During Class:

Leaving the room to use the restroom, get a drink of water, or engage in any other activities is something that should be reserved for true emergencies only. You should take care of personal activities before or after class. I do understand that true emergencies exist, but they should be the exception rather than the rule. I am only asking you to uphold the same standard that I hold myself to, and I feel like that is very reasonable.

Arriving Late:

If a student is more than ten minutes late to class, then they will be marked as absent. If a student arrives late for an test, they will be allowed to start the test late as long as they arrive before the first test has been turned in. If another student has already turned in their test and left, then no additional students will be allowed to begin testing. If you are late for a quiz, you will have however much time remains to work on the quiz.

If some unforeseen situation comes up that causes you to be late, please come into class quietly, take your seat, and join in. The instructor will not embarrass you, but may speak with you privately or through e-mail if it is a consistent problem. Please do know that the repercussions discussed in the syllabus will be the natural consequence of being late. If you are late once or twice, they will not have a major impact on your grade. If you are late frequently, it will affect your grade in the course substantially. The goal is to set up policies that encourage all students to make it a matter of personal priority to arrive on time so that the instructor doesn't have to nag students about being tardy.

Leaving Class Early:

If you leave early, you will be marked absent. As you will be marked absent, you will lose credit for any work completed or turned in during class that day.

Getting Help:

For any questions or concerns related to class material, homework, or grades you will need to stop by my office or e-mail me. If a student has a grade check form, these **must** be brought to my office.

Policies Regarding Absences:

Missing Class:

If a student misses class, it is their responsibility to get the notes from another classmate or to come into my office hours and copy down the notes by hand as you would have if you were in class. Missing material is not grounds for an extension on homework assignments.

Attendance will be taken at the beginning of each class period. If you are not sitting in your assigned seat, you will be marked as absent. I do not make any distinction between excused and unexcused absences unless a student is wishing to make-up a test. Regardless of the reason a student misses class, they have not been present and involved in the in-class learning activities. The class participation grade is a grade earned by being actively engaged in class, and there is no way to recreate the classroom learning environment. There is no need to provide any additional documentation unless making-up a missed test is under consideration.

If a student is more than ten minutes tardy, they will be marked absent.

Athletics and Other Planned Absences:

If a student knows that they will miss class for athletics or another planned reason, they should speak to the instructor regarding what they will miss before they leave.

Absences and Turning in Assignments:

In general no late work is accepted and no make-up work will be given. If a student is not able to attend class for another reason, they can e-mail a scanned copy of the assignment to the instructor before the assignment's due date as proof that they have been completed on time. When the student returns, they must then turn in the hard copies to facilitate grading.

Making-up Missed Tests:

At the discretion of the instructor, a student may make up a missed test if it is missed for a documented and approved reason. The instructor reserves the right to request alternate documentation, original copies of documentation, to have a copy of the documentation to keep on file, to classify a situation as not an appropriate excuse, or to refuse to allow a student to make up a test for any reason that would preclude a student from making up a test based on her professional judgment. A student must contact the instructor **within 24 hours** of the missed test if they would like to have their situation reviewed for the possibility of making up a test. Even if a student is approved to make-up a missed test, they will still be marked absent for the test day that they missed.

A student should expect that they will not be allowed to take a test, or will have to provide multiple forms of documentation from independent sources, if they are asking to be allowed to make-up a second test or have frequently missed class or other assignments.

University Policies:

Academic Honesty:

The subject of Academic Honesty is addressed in Paragraph 5.3, Chapter VI, of the Rules and Regulations, Board of Regents, The Texas State University System, (http://www.shsu.edu/~vaf_www/aps/documents/810213.pdf), and in the SHSU Student Guidelines published by the Office of Student Life (<http://www.shsu.edu/students/guide/StudentGuidelines2010-2012.pdf> pp 29-33).

Students are to abide by the Code of Student Conduct and Discipline in the Guidelines for Student Conduct in the Student Life Policies Handbook and infractions will be dealt with in accordance with these same Guidelines.

A student who copies another student's work and submits it as his/her own is cheating. Both the student who copied, as well as the student who allowed his/her work to be copied, will receive a grade of zero, and, possibly, an "F" in the course.

NOTE: It is considered **CHEATING** to have notes, formulas, or programs in your calculators. Sharing calculators during quizzes/tests/final is strictly forbidden and will be considered cheating. Consequences will be severe.

Copyright Policy:

All printed materials disseminated in class or on the web are protected by Copyright Laws. One copy (or download from the web) is allowed for personal use. Multiple copies or sale of any of these materials is strictly prohibited. The SHSU copyright policy can be found online at http://www.shsu.edu/~vaf_www/aps/documents/891208_000.pdf.

Use of Cell phones, MP3 players, Text Messagers, etc., in Academic Classrooms and Facilities:

The use by students of electronic devices that perform the function of a telephone or text messenger during class-time may be prohibited if deemed disruptive by the instructor to the conduct of the class. Arrangements for handling potential emergency situations may be granted at the discretion of the instructor. Failure to comply with the instructor's policy could result in expulsion from the classroom or with multiple offenses, failure of the course. Any use of a telephone or text messenger or any device that performs these functions during a test period is prohibited. These devices should not be present during a test or should be stored securely in such a way that they cannot be seen or used by the student. Even the visible presence of such a device during the test period will result in a zero for that test. Use of these devices during a test is considered de facto evidence of cheating and could result in a charge of academic dishonesty.

(see student code of conduct <http://www.shsu.edu/students/guide/StudentGuidelines2010-2012.pdf#page=29>). The cell phone policy can be found at http://www.shsu.edu/~vaf_www/aps/documents/100728.pdf.

Classroom Rules of Conduct:

Students will refrain from behavior in the classroom that intentionally or unintentionally disrupts the learning process and, thus, impedes the mission of the university. Students are prohibited from eating in class, using tobacco products, making offensive remarks, reading newspapers, sleeping, talking at inappropriate times, wearing inappropriate clothing, or engaging in any other form of distraction. Inappropriate behavior in the classroom shall result in a directive to leave class. Students who are especially disruptive also may be reported to the Dean of Students for disciplinary action in accordance with university policy.

Visitors in the Classroom:

Unannounced visitors to class must present a current, official SHSU identification card to be permitted in the classroom. They must not present a disruption to the class by their attendance. If the visitor is not a registered student, it is at the instructor's discretion whether or not the visitor will be allowed to remain in the classroom.

Students with Disability Policy:

It is the policy of Sam Houston State University that individuals otherwise qualified shall not be excluded, solely by reason of their disability, from participation in any academic program of the university. Further, they shall not be denied the benefits of these programs nor shall they be subjected to discrimination. Students with disabilities that might affect their academic performance should register with the Office of Services for Students with Disabilities located in the Lee Drain Annex (telephone 936-294-3512, TDD 936-294-3786, and e-mail disability@shsu.edu). They should then make arrangements with their individual instructors so that appropriate strategies can be considered and helpful procedures can be developed to ensure that participation and achievement opportunities are not impaired.

SHSU adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with disabilities. If you have a disability that may affect adversely your work in this class, then I encourage you to register with the SHSU Services for Students with Disabilities and to talk with me about how I can best help you. All disclosures of disabilities will be kept strictly confidential. NOTE: No accommodation can be made until you register with the Services for Students with Disabilities. For a complete listing of the university policy, see:

<http://www.shsu.edu/dept/academic-affairs/documents/aps/students/811006.pdf>

Student Absences on Religious Holy Days Policy:

In accordance with SHSU Academic Policy 861001, which can be found online at http://www.shsu.edu/~vaf_www/aps/documents/861001.pdf, an absence that is due to the observance of a religious holy day is excused under Section 51.911(b) of the Texas Education Code. Section 51.911(b) requires that an institution of higher education excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence.