MATH 1332

ABOUT

The goal of this course is to help you navigate the world with the mathematical tools you need to be a good decision maker and leader.

INSTRUCTOR INFO

Dr. Brandy Doleshal
email: bdoleshal@shsu.edu
phone: 936-294-4884
office: Lee Drain 434
office hours: Face-to-face office hours are Monday 1-2PM and Thursday 10:30-11:30AM. Blackboard Ultra office hours are Wednesday 1-2PM. You may also schedule an appointment, online or in my office.

TECHNICAL REQUIREMENTS

You'll need reliable internet access, a webcam and microphone. We'll take exams through Proctor Free. See http://proctorfree.com/technical-requirements
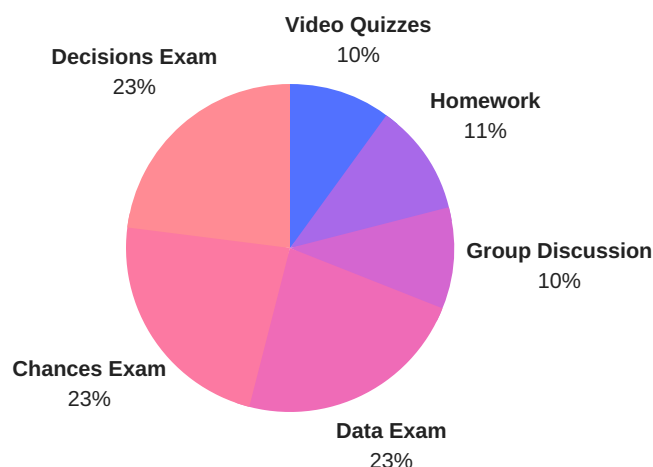
TEXTBOOK

The Heart of Mathematics by Edward B. Burger and Michael Starbird.

PREREQUISITES

This course is designed to meet the objectives of Component Area 2 of the core curriculum for non-business and non-science related majors. Students taking this course should have completed two years of high school algebra and one year of high school geometry.

GRADES

- Video Quizzes 10%
- Homework 11%
- Group Discussion 10%
- Data Exam 23%
- Chances Exam 23%
- Decisions Exam 23%

- Video quizzes are embedded in the video lectures.
- Homework will be turned in through Blackboard, and due Wednesday nights at 11:55PM.
- Group Discussions are due on Feb. 1, Feb. 22, Mar. 22, Apr, 12 and May 3.
- The Chances exam will be open Feb. 20-21. The Data exam will be open Apr. 3-4. The Decisions Exam will be open May 8-9.

UNIVERSITY POLICIES

See http://www.shsu.edu/syllabus/ for policies on Academic Dishonesty, Religious Holy Days and Students with Disabilities

MATH 1332

CHANCES

Our first topic is probability. You will learn basic terms of probability, how to compute probability, and how to think critically about common misconceptions about probability.

DATA

In this section of the course, you will learn about ways to collect and represent (and misrepresent) data. You will learn to analyze data for accuracy and use your results to make well-informed decisions.

DECISIONS

In this section, we'll see how our nation makes its decisions, with voting theory and apportionment, and how, on a smaller scale, to divide things fairly.

Jan.		17 First day of class	18	19
22	23	24 Chances 1 HW due	25	26
29	30	31 Chances 2 HW due	Feb. 1 Group Discussion 1 due	2
5	6	7 Chances 3 HW due	8	9
12	13	14 Chances 4 HW due	15	16
19	20 Chances Exam	21 Chances Exam	22 Group Discussion 2 due	23
26	27	28 Data 1 HW due	Mar. 1	2
5	6	7 Data 2 HW due	8	9
12	13	14	15	16
19	20	21 Data 3 HW due	22 Group Discussion 3 due	23
26	27	28 Data 4 HW due	29	30
Apr. 2	3 Data Exam	4 Data Exam	5	6
9	10	11 Decisions 1 HW due	12 Group Discussion 4 due	13
16	17	18 Decisions 2 HW due	19	20
23	24	25 Decisions 3 HW due	26	27
30	May 1	2 Decisions 4 HW due	3 Group Discussion 5 due	4
7	8 Decisions Exam	9 Decisions Exam	10	11