

BRAZOSPORT COLLEGE
COURSE SYLLABUS – FALL 2009
MATH 2412 – PRECALCULUS
Course # 2412.01

Course Schedule/Location: Tuesday/Thursday 12:10-01:50 PM Room A-229

Instructor:	Mrs. Ioana Agut,
Office:	J-204, Department of Mathematics, Brazosport College
E-mail:	ioana.agut@brazosport.edu
Phone/Fax:	230-3386 / 230-3390
Office Hours:	M,W 4:15 PM – 5:15 PM T,R 9:30 AM- 11:30 AM

Textbook:

The course textbook is *Precalculus Graphical, Numerical Algebraic* 7th edition, by Demana, Waits, Foley, and Kennedy.

Required Material:

Graphing Calculator TI-83 or better is required. It is the student's responsibility to have basic knowledge about using his/her own calculator.

Course Outcomes:

Upon completion of the course, the student will be able to:

1. Evaluate and graph piecewise defined functions.
2. Find rational, irrational, and complex zeros of a polynomial function.
3. Find the vertical, horizontal and/or oblique asymptotes of a rational function.
4. Decompose a rational expression into the sum of partial fractions.
5. Use a calculator to solve trigonometric equations.
6. Define and geometrically represent vectors.
7. Perform the operations of addition, subtraction, and scalar multiplication, with vectors.
8. Graph a parametric equations
9. Graph and give important features of ellipses and hyperbolas.
10. Plot and convert between rectangular and polar coordinates
11. Evaluate difference quotient
12. Advanced factoring that occurs in calculus

Assessments:

During the semester there will be several on-line quizzes and Homework, six (6) Tests (2 in class and 4 on-line) and one Final Exam (in class).

Any written open-answer assessment must contain all the steps performed in order to get the solution and must be presented in a mathematical methodical manner. No make up work is allowed unless extraordinary circumstances by providing official documents.

Grading Policy/Evaluation:

The grades will be counted in the following way:

Class work/participation	10%
Quizzes	15%
Homework	15%
Tests' average (in Class)	20%
Tests' average (on-line)	20%
Final Exam:	20%

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Final Exam:

The Final Exam will be on **Tuesday December 15, 2009** from **1:00 PM to 3:00 PM** in the same room.
The Final Exam worth 20% from the final grade!

Class Work:

During the class sessions, the student is allowed to take the written notes only, to interact with the instructor by answering to asked questions and asking questions, to complete the work required by the instructor, working individual or in groups.

The Class work/participation worth 10% from the final grade!

Homework:

There will be homework assigned on line. Please check daily the website:

<http://www.coursecompass.com>. The homework have due date.

It is the student responsibility to check and to complete the homework before the each due date. There is limited number of time where students can work on each problem. If the homework will not be completed the student will accumulate a zero for it. The homework has no time constrain and you can work each question 4 (four) times. No Make-up is allowed.

The average of homework worth 15% from the final grade!

Quizzes:

There will be several quizzes assigned on-line on the web site: <http://www.coursecompass.com>. It is the student responsibility to check and to complete the on-line quizzes before the due date for each. The on-line quizzes can be completed in within forty (40) minutes and each question has two (2) attempts. No make-up is allowed. The average of quizzes worth 15% from the final grade!

Tests:

Two(2) Tests will be administrated in the regular class. They will be open-answer questions where the students are required to show all the work performed on the tests' paper in a methodical and mathematical manner. The tests administrate in class have the following tentative schedule:

-Test 1	October 15, 2009
-Test 2	December 8, 2009

Four(4) Tests will be scheduled on-line and they will be limited at 80 minutes and 2 attempts for each question. There will be a due date for each on-line test. It is the student's responsibility to complete the test before the due date. The on-line tests have the following tentative schedule:

Test 1 on-line	September 18 – September 20
Test 2 on-line	October 13 – October 15
Test 3 on-line	November 06 – November 08
Test 4 on-line	December 04 – December 06

No make up work is allowed unless extraordinary circumstances by providing official documents.

The Tests (in class) average worth 20% from the final grade, and the Tests' (on-line) average worth 20% from the final grade

Grading Scale:

Unless an announced in changes is made, the following scale will be applied for this course:

A:	90-100;
B:	80-89;
C:	70-79.
D:	60-69
F:	< 60.

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Attendance:

The students are strongly encouraged to attend every lecture class. Each class meeting is considered as an entity. After 4 absences the instructor will consider “excessive absences” and may fail the student. The instructor will fail the student not drop the student. It is the student responsibility to drop from the course.

To avoid unnecessary class disruptions, the students should arrive on time and remain seated until the class is dismissed. If a student is coming late in class, the instructor may consider it as an absence.

The time spent in the class, the student will follow the instructor’s directives and will respect the School’s student conduct (including academic honesty).

Dropping policy:

In terms of the Brazosport College calendar, the last day to withdraw from course is **November 6, 2009**.

No late withdraw form will be signed after the official dropping date!

The instructor will initiate no dropping at any time, unless extraordinary circumstances, official documented.

To be eligible for a reinstatement, the student must bring official documents and have an average of at least 70% in his/her class participation.

Academic Honesty:

Brazosport College assumes that students eligible to perform on the college level are familiar with the ordinary rules governing proper conduct including academic honesty. The principle of academic honesty is that all work presented by you is yours alone. Academic dishonesty including, but not limited to, cheating, plagiarism, and collusion shall be treated appropriately. Please refer to the BC Student Guide for more information, this is available online at <http://www.brazosport.edu>, click on the link found on the left side of the homepage.

The students caught cheating will be get zero for the assessment for the first time.

Second time he/she will have a failing grade for entire course.

Time requirement:

Taking into account the volume of the information and the homework assigned, a minimum of 8 hours a week outside of class is required for course preparation including: reading the lessons from the textbook, reviewing the class notes and complete the homework. A team of Tutors is available in the LAC (phone 230-3253).

Students with disabilities:

Brazosport College is committed to providing equal education opportunities to every student. Brazosport College offers services for individuals with special needs and capabilities including counseling, tutoring, equipment, and software to assist students with special needs. Please contact Phil Robertson, Special Populations Counselor, 979-230-3236 for further information.

Miscellaneous:

No electronic recording device can be used in class. The students may only take written notes from the class.

No cell phones are allowed to be used during the class, quizzes, tests or exams. Please turn off any electronic device, which may disturb the class activity. During the lecture the cell phones must be switched on vibration only.

No food can be brought into the class and be consumed, at any time. You can have a bottle of water.

No other electronic device, including laptop, palm, iPod is allowed to be brought and used in class, at any time.

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IMPORTANT:

1. Any further information will be presented in class by the instructor and is the student's responsibility to be informed.
2. If the school is shutting down due severe weather, on the scheduled test day the test will be taken on the first meeting after the school reopen.
3. **Web Page:** Extra copy of the syllabus, tentative schedule and announcements can be found at the web address:
<http://www.brazosport.edu/sites/CurrentStudents/Faculty/JoanaAgut/Pages/default.aspx>

Other student Services Information:

Information about study skills and tutoring for math, reading, writing, biology, chemistry and other subjects is available in the Learning Assistance Center (LAC), see www.brazosport.edu/~lac or call 979-230-3253.

The Student Services provides assistance in the following:

Counseling and Advising	979-230-3040
Financial Aid	979-230-3294
Student Activities	979-230-3355

To reach the Information Technology Department for computer, email, or other technical assistance call the Help Desk at 979-230-3266.