

## PRECALCULUS, Math 1715 Fall 2012

- Instructor:** Lee Ann Brown
- Office:** MSCS 516
- Office hours:** MWF 3:30-4:30 p.m., TR 9:30-11:00 a.m.; other times are available by appointment. Please arrange appointment times by e-mail. Your discussion leader will also hold office hours. In addition, help is available at the MLSC on the fourth floor of the Classroom Building.
- E-mail:** [brownl@math.okstate.edu](mailto:brownl@math.okstate.edu) Please put 1715 STUDENT in the subject line of your e-mail. In addition, in the body of your e-mail, please identify the day and time of your discussion section.
- Office phone:** 744-1807

**Course Description:** This is an integrated College Algebra and Trigonometry course. The prerequisite test required is ALEKSGOAL, with a minimum score of 40. This course includes the study of quadratic equations, functions and graphs, systems of equations, exponential and logarithmic functions, sequences and series, trigonometric functions and graphs, solution of triangles and applications to physical sciences, polar coordinates and vectors.

### Textbook/Required Material

- **Precalculus: Mathematics for Calculus**, Fifth Edition, by Stewart, Redline, and Watson.
- **WEBASSIGN Access Code (this should come with your textbook)**
- **Lecture notes:** These are available in the online classroom (D2L). Go to: <https://oc.okstate.edu/> and log in using your O-Key username and password.
- A **graphing calculator** is required for this course; a TI-83/84 series graphing calculator is highly recommended. Calculators using symbolic manipulation, and cell phone calculators, are forbidden. This includes TI-Nspire, TI-89, and equivalent calculators. **Note:** The OSU Mathematics Department has a limited number of graphing calculators available for student check-out. Days and times for the check-out will be announced.

**Class Format:** The lecture section of this class meets on Monday, Wednesday, and Friday. This is the time when new material is introduced. Smaller discussion sections meet on Tuesday and Thursday with a discussion instructor. During the discussion sections, additional examples will be shown, homework questions answered, and group activities or quizzes may be given. When *written* homework is due, it will be turned in during the discussion section.

Type	Days/Times	Section	Instructor	Classroom
<b>Lecture</b>	<b>MWF 12:30-1:20</b>		<b>Lee Ann Brown</b>	<b>MSCS 101</b>
Discussion	TR 8:30-9:20	002	Yujie Zhang	HS 331
Discussion	TR 11:30-12:20	004	Lizheng Tao	AGH 202
Discussion	TR 2:00-2:50	001	Lizheng Tao	HS 004
<b>Lecture</b>	<b>MWF 2:30-3:20</b>		<b>Lee Ann Brown</b>	<b>MSCS 101</b>
Discussion	TR 7:30-8:20	009	Yujie Zhang	LSW 201
Discussion	TR 1:30-2:20	005	Lizhi Chen	AHG 009
Discussion	TR 2:30-3:20	006	Lizhi Chen	LSW 202

**Tutoring:** There is free tutoring available in the Math Learning Success Center (MLSC), located on the fourth floor of the Classroom Building. Days and times will be announced later.

**Exams (550 points):** There will be four 100 point exams and a 150 point comprehensive final exam. You may **replace your ONE lowest score** from exam 1, 2, 3, or 4 with your **attendance/participation score**. The final exam score cannot be replaced. The dates for the exams are as follows:

<b>Exam 1:</b> Friday, September 14	<b>Exam 2:</b> Friday, October 12
<b>Exam 3:</b> Friday, November 2	<b>Exam 4:</b> Friday, November 30
<b>Final Exam:</b>	

**Make-Up Exams:** Make-up exams will be given only in extreme circumstances, if documentation for the absence can be provided and is verifiable. If you believe a make-up exam may be applicable, please take the following steps:

1. Notify the instructor by e-mail at [brownl@math.okstate.edu](mailto:brownl@math.okstate.edu) prior to the missed exam (if possible), informing the instructor of the reason for missing the exam. Notification *after* the exam will only be accepted in an emergency situation. If you know several days in advance that you will miss an exam (jury duty, athletics, etc.), it may be possible to take an *early* exam.
2. You must provide **appropriate documentation**, with contact information to verify the absence. In the event that a make-up exam is granted, the **make-up exam will be given during finals week** at the time scheduled for make-up exams. If a make-up exam is *not granted*, it will be necessary to use the attendance/participation score to replace the missed exam score.

**Homework (150 points):** Most of the homework will be done through WebAssign, an online homework system. Please keep a written record of your work on each problem, so that you can ask if you have questions about it. Occasionally, separate *written* homework will also be due and turned in during your discussion section. These will be announced in your discussion section. At the end of the semester, the total of all homework points will be *scaled* to **150 points** (your percentage  $\times$  150). Homework will not be accepted after the due date for each assignment.

**Discussion Grade (100 points):** You will receive a grade for all assignments done during your discussion section. This includes group work and quizzes. The total for all these points will be *scaled* to 100 points. There will be *no make-up* on group work assignments or quizzes, but you will be allowed to drop your two lowest scores.

**Attendance/Participation Score:** You can *replace* one score from Exam 1, 2, 3, or 4 with a *maximum* possible attendance/participation score of 100 points. It is calculated as follows:

- **Lecture Attendance (75 points):** You will receive one point for each day you attend the lecture section (MWF) and the discussion section (TR) of the course. You must be present, awake, and participating for the whole class period to receive the credit. (Note: There are 44 class days of lecture and 31 days of discussion.)
- **MLSC Participation (30 points):** You can earn two points per day for spending at least 30 consecutive minutes studying or using the tutoring services in the MLSC (located on the 4<sup>th</sup> floor of the Classroom Building). You will need to check in using your OSU ID each time you visit. Points will not be earned for attending the MLSC during your scheduled class meeting times. A maximum of 30 points can be earned, but your usage of the MLSC is limited only by their hours of operation. The first and last day points can be earned will be announced in class. On the first visit, take your 9-digit ID Number, your OSU ID, as well as your course number and section number.

**Course Evaluation:** Course grades will be determined according to the following distribution.

Homework (scaled)	150 points
Discussion Grade (scaled)	100 points
Exams	<u>550 points</u>
TOTAL	800 points

Letter grades will be assigned according to the following scale.

A: 90% or higher 720-800 pts.	B: 80-89.5% 640-719 pts.	C: 70-79.5% 560-639 pts.	D: 60-69.5% 480-559 pts.	F: 59% or lower 0-479 pts.
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**Cell Phone Policy:** Please refrain from using your cell phone during class meeting times. This includes checking and/or responding to text messages. The use of cell phones or other electronic devices (except calculators) during exams is strictly prohibited and will be considered an act of academic dishonesty/misconduct.

**Incomplete Grade:** The grade of “I” is given to students who satisfactorily completed the majority of the course work and whose work averages “D” or better, but who have been unavoidably prevented from completing the remaining work of the course. The conditions, including appropriate time limits, for the removal of the “I” are indicated on the official class roll by the instructor. A condition that the student must repeat the course in order to remove the “I” is not permitted. The maximum time allowed for a student to remove an “I” is one calendar year.

**Academic Dishonesty/Misconduct:** Oklahoma State University is committed to the maintenance of the highest standards of integrity and ethical conduct of its members. This level of ethical behavior and integrity will be maintained in this course. Participating in a behavior that violates academic integrity (e.g., unauthorized collaboration, plagiarism, multiple submissions, cheating on examinations, fabricating information, helping another person cheat, unauthorized advance access to examinations, altering or destroying the work of others, and fraudulently altering academic records) will result in your being sanctioned. Violations may subject you to disciplinary action including the following: receiving a failing grade on an assignment, examination or course, receiving a notation of a violation of academic integrity on your transcript, and being suspended from the University. You have the right to appeal the charge. Contact the Office of Academic Affairs, 101 Whitehurst, 405-744-5627. Go to [academicintegrity.okstate.edu](http://academicintegrity.okstate.edu) for a short video on OSU’s academic integrity policy and additional information.

**Office of Student Disability Services:** (015 University Health Services) - According to the Americans with Disabilities Act, each student with a disability is responsible for notifying the University of his/her disability and requesting accommodations. If you think you have a qualified disability and need special accommodations, you should notify the instructor and request verification of eligibility for accommodations from the Office of Student Disability Services. Please advise the instructor of your disability as soon as possible, and contact Student Disability Services, to ensure timely implementation of appropriate accommodations. Faculty have an obligation to respond when they receive official notice of a disability but are under no obligation to provide retroactive accommodations. To receive services, you must submit appropriate documentation and complete an intake process during which the existence of a qualified disability is verified and reasonable accommodations are identified. Call 405-744-7116 or go to [www.okstate.edu/ucs/stdis/](http://www.okstate.edu/ucs/stdis/).

**Syllabus Attachment:** You are individually responsible for meeting university deadlines and for following university procedures. The general university syllabus attachment, containing much information of this nature, can be found on the Academic Affairs’ web site: <http://academicaffairs.okstate.edu/current-students/47-syllabus-fall>

**Final Note:** Any changes in this syllabus will be communicated to you in class by the instructor.

## Tentative Class Schedule, MATH 1715, Fall 2012

Wk	Monday	Tuesday	Wednesday	Thursday	Friday
1	<b>Aug. 20</b> Syllabus, 1.1, 1.2	<b>Aug. 21</b>	<b>Aug. 22</b> 1.3, 1.4	<b>Aug. 23</b>	<b>Aug. 24</b> 1.5
2	<b>Aug. 27</b> 1.7, 1.8	<b>Aug. 28</b>	<b>Aug. 29</b> 1.10	<b>Aug. 30</b>	<b>Aug. 31</b> 2.1, 2.2
3	<b>Sep. 3</b> University holiday	<b>Sep. 4</b>	<b>Sep. 5</b> 2.3, 2.4	<b>Sep. 6</b>	<b>Sep. 7</b> 2.5, 2.6
4	<b>Sep. 10</b> 2.7	<b>Sep. 11</b>	<b>Sep. 12</b> 3.1	<b>Sep. 13</b> Review for Exam 1	<b>Sep. 14</b> <b>Exam 1</b> (Ch. 1 & 2)
5	<b>Sep. 17</b> 3.2	<b>Sep. 18</b>	<b>Sep. 19</b> 3.3	<b>Sep. 20</b>	<b>Sep. 21</b> 3.5
6	<b>Sep. 24</b> 3.6	<b>Sep. 25</b>	<b>Sep. 26</b> 2.8	<b>Sep. 27</b>	<b>Sep. 28</b> 4.1
7	<b>Oct. 1</b> 4.2	<b>Oct. 2</b>	<b>Oct. 3</b> 4.3	<b>Oct. 4</b>	<b>Oct. 5</b> Fall Break
8	<b>Oct. 8</b> 4.4	<b>Oct. 9</b>	<b>Oct. 10</b> 4.5	<b>Oct. 11</b> Review for Exam 2	<b>Oct. 12</b> <b>Exam 2</b> (Ch. 3 & 4)
9	<b>Oct. 15</b> 6.1	<b>Oct. 16</b>	<b>Oct. 17</b> 6.2	<b>Oct. 18</b>	<b>Oct. 19</b> 6.3
10	<b>Oct. 22</b> 5.2	<b>Oct. 23</b>	<b>Oct. 24</b> 5.3	<b>Oct. 25</b>	<b>Oct. 26</b> 5.4
11	<b>Oct. 29</b> 6.4, 6.5	<b>Oct. 30</b>	<b>Oct. 31</b> 7.1	<b>Nov. 1</b> Review for Exam 3	<b>Nov. 2</b> <b>Exam 3</b> (Ch. 5 & 6)
12	<b>Nov. 5</b> 7.2	<b>Nov. 6</b>	<b>Nov. 7</b> 7.3	<b>Nov. 8</b>	<b>Nov. 9</b> 7.4 <i>W Drop/Withdraw Deadline</i>
13	<b>Nov. 12</b> 7.5	<b>Nov. 13</b>	<b>Nov. 14</b> 8.1	<b>Nov. 15</b>	<b>Nov. 16</b> 8.3
14	<b>Nov. 19</b> 8.4	<b>Nov. 20</b>	<b>Nov. 21</b> University holiday	<b>Nov. 22</b> University holiday	<b>Nov. 23</b> University holiday
15	<b>Nov. 26</b> 9.1, 9.2	<b>Nov. 27</b>	<b>Nov. 28</b> 11.1	<b>Nov. 29</b> Review for Exam 4	<b>Nov. 30</b> <b>Exam 4</b> (Ch. 7, 8, 9) <i>WF Withdraw Deadline</i>
16	<b>Dec. 3</b> 11.2	<b>Dec. 4</b>	<b>Dec. 5</b> 11.3	<b>Dec. 6</b> Review for Final	<b>Dec. 7</b> Review for Final Exam

**Finals Week: December 10-14**