Precalculus   MAT 3101   Fall 2017
Mrs. Megan Wright

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Office Hours:
Monday: 12 pm – 12:50 pm
Tuesday: 11 am – 1 pm, 2 pm – 4 pm
Wednesday: 12 pm – 12:50 pm
Thursday: 2 pm – 5 pm
Friday: 12 pm – 12:50 pm
Also by appointment. If my door is open feel free to stop in!

Text: *PRECALCULUS* (Tenth Edition); by Sullivan; Pearson.
Also required: graphing calculator (TI-83+, TI-84, TI-Nspire, or similar preferred)

Course overview:
This course provides a thorough, careful study of basic Precalculus topics. Topics include linear and quadratic functions, polynomial functions, inequalities, graphs of functions, exponential and logarithmic functions, trigonometric functions and equations, and triangle trigonometry.

We will be covering all of chapters 1 through 5 in this first semester of the course.

Attendance:
You are required to attend every class session, in accordance with Indiana Academy attendance policies. I understand clocks can be a minute or two off, so I will grant leniency for the first few minutes of class, but at 5 or more minutes you are officially "Tardy" and after 15 minutes you are officially "Absent." However, class time is very valuable, so I strongly encourage you to get to class no matter how late you may be. This will make your process of learning what was covered in class that day much easier. Sleeping in class will result in an unexcused absence without notice.

Evaluation:
In this course you will be given a homework assignment every night, frequent quizzes over the material covered the previous week, and a test every chapter. The quizzes will be short, around 20 points each, and will be very similar to homework questions. The tests are not cumulative in the sense that you will see questions directly from previous chapters, but math is a cumulative discipline so you may need to apply knowledge from previous chapters to help solve new problems. There will also be a final exam, it will be cumulative, and it will take place during finals week. For dates of tests please refer to the most recent version of the course schedule.

Grading Scheme:
Your grade in this course will be determined by the following percentage values. Remember that you EARN your grade; I do not give them out. If you want a better grade be proactive about getting more help, there are many resources available to you!

40% …. Tests
20% …. Quizzes
15% …. Homework
10% …. Participation
15% …. Final Exam

Letter grades are determined by:

Range	Grade
93-100	A
90-92	A-
87-89	B+
83-86	B
80-82	B-
77-79	C+
73-76	C
70-72	C-
69 and below	D*

Make-up work Policy:
NO LATE WORK WILL BE ACCEPTED. If you are absent (excused absence) one day it is your responsibility to get the work due that day turned in to me as soon as possible **and** before the next class meeting. My office is in your dormitory building so it should be simple enough for you to be able to bring that assignment to my office and leave it under my door. If you will be missing a test you must contact me as soon as you know you will be missing it and schedule a time for you to take the test with me. **In the event of an <u>unexcused absence</u> or <u>suspension</u>, missed homework assignments, quizzes, test, etc. will NOT be accepted for credit** (except when missed work would fail the suspended student)**.** Make-up quizzes, exams, etc. generally are not taken during class time.

Other policies:
Math requires note-taking. You cannot do that efficiently on your computer. So your laptops, cell phones, and other internet-ready devices should be closed/turned off, and put away during class time unless given permission by the instructor for a specific class period. You WILL be expected to bring your graphing calculator to class every day, as well as your text book (or pictures of appropriate pages), both will be very useful.

Academic Integrity
I support and abide by the academic integrity policy as set forth in the Student Handbook. While you are encouraged to work together in this course at times, here are a few examples of behavior subject to review under the Academic Integrity policy:
- Copying someone's work and turning it in as one's own
- The use of aids or other materials on quizzes and exams without expressed permission
- The use of calculators when explicitly asked not to do so
- Copying another person's work or answers on a quiz or exam

Ball State University aspires to be a university that attracts and retains a diverse faculty, staff, and student body. We are committed to ensuring that all members of the community are welcome, through valuing the various experiences and worldviews represented at Ball State and among those we serve. We promote a culture of respect and civil discourse as expressed in our Beneficence Pledge and through university resources found at
http://cms.bsu.edu/campuslife/multiculturalcenter.

*The teacher reserves the right to change this syllabus as situations arise,
or add to it as needed.*

Precalculus Course Topic Schedule

Week 1: Chapter 1 – Algebra review

Week 2: Chapter 1 test, start Chapter 2

Week 3: Chapter 2: Functions and graphs

Week 4: Chapter 2: Properties of Functions and Piecewise defined functions

Week 5: Chapter 2: Transformations and graphing techniques

Week 6: Chapter 2: Applications, and Chapter 2 test

Week 7: Chapter 3: Properties of linear and quadratic functions, and applications of linear models.

Week 8: Chapter 3: Quadratic functions and quadratic models

Week 9: Chapter 3: Quadratic inequalities

Week 10: Chapter 3 review and test

Week 11: Chapter 4: Properties of polynomial and rational functions

Week 12: Chapter 4: Polynomial and rational inequalities; real and complex zeros of polynomial functions

Week 13: Chapter 4 review and test

Week 14: Chapter 5: Composite functions, inverses, and exponential functions

Week 15: Chapter 5: Logarithmic functions and properties of logarithms

Week 16: Chapter 5 Review and test

Week 17: Course review for cumulative final exam