

Math 118 - Precalculus Syllabus

Instructor

Dr. Brad Kahrs

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Office Location

SCI B333

Office Hours

Mondays & Wednesdays:

9:00 – 10:00AM

Tuesdays: Noon – 2:00

Thursdays: Noon – 1:00

Other times available

upon request

Course Description

Topics tentatively include concepts, graphs, and properties of functions, inverse and algebraic functions, techniques of graphing, conic sections, linear and nonlinear systems, arithmetic and geometric series, mathematical induction and the binomial theorem. Preparation for MATH 120 if you did not place into MATH 120. 4 credits. Prerequisite – Math 100, 107 or appropriate placement score.

Learning Outcomes

- Select, analyze, and interpret appropriate numerical data used in everyday life in numerical and graphical format.
- Identify and apply appropriate strategies of quantitative problem solving in theoretical and practical applications.
- Construct a conclusion using quantitative justification.

Course Meetings

Monday, Tuesday, Wednesday, Thursday 8:00 – 8:50AM in SCI D223

Required Text

Precalculus: Mathematics For Calculus (7th Edition), *J. Stewart, L. Redlin, S. Watson* ISBN 978-1-305-07175-9, available from UWSP Text Rental. Topics taken from Chapters 1-4 and 10-12.

Resources

- Online homework system: WebWork [Login information will be provided in our first week of classes. Assignments will be given in class and through D2L.]
- Help: Please talk to me right away as problems arise. Come to an office hour or see me to schedule some time. Also, tutoring services are available for this course. The Math Help Room offers free drop-in tutoring in SCI A113 and the Tutoring Learning Center (TLC) has offerings for this course.

Policies & Expectations for Students:

1) Participation is a critical aspect of this class and constitutes a portion of your final grade. Of the 10% designated for Homework and Participation approximately half of that will be based on participation. Participation includes three components (attendance, engagement, and effort & attitude) that you should strive to demonstrate as part of this class.

- **Attendance:** Students are expected to attend each class session and be on time. **Additionally, if student attendance becomes excessive (more than 3 absences) their grade may be dropped by up to 10%.**
 - **Engagement:** Students are expected to begin upon arrival to class (this can be working on a warmup or talking with the instructor about assignments or other course considerations). During scheduled class time you should be “on task,” listening for understanding and relevance, offer ideas, and ask questions that clarify or extend ideas. This includes challenging ideas in a respectful fashion.
 - **Effort & attitude:** Students are expected to consistently complete assignments, demonstrate a reasonable level of enthusiasm for the content, respect the entire cohort, be willing to work in a variety of settings (individual, pairs, small, groups, whole class), be organized in a way that shows thought and preparation, and accept feedback in a profession manner.
- 2) Incomplete grades will be given only under special circumstances.
 - 3) Any work that is turned in should be completely your own work. Even though students will be working in groups often each individual is responsible for their own work. Cheating/Academic dishonesty can result in failing the course. Students are expected to adhere to the academic integrity guidelines as stated in the UWSP Community Rights & Responsibilities document (Student Academic Standards and Disciplinary Procedures). Complete information can found at the following location: <http://www.uwsp.edu/dos/Pages/Academic-Misconduct.aspx>
 - 4) Programming formulas into a calculator that is used on quizzes or tests is considered cheating.
 - 5) CAS-capable calculators (such as TI-89, TI-92 or TI-N), calculators with word processing capabilities, cell phones and SMART watches are not allowed on tests and quizzes.
 - 6) Make-up tests/assignments will only be given under very special circumstances. Please look the course calendar and plan accordingly.
 - 7) Calculators cannot be shared during quizzes and tests. You should plan on bringing a calculator to class each day.
 - 8) Cell phones and computers are a distraction to students and the instructor, please keep these devices silent and out of sight. If there is a situation that requires your attention to a cell phone contact, **please leave the classroom to deal with it.**
 - 9) Please **prepare** for class. Reading the assigned section and completing (or at least a strong attempt with each problem) the assigned problem sets are critical components of success for most students.
 - 10) Some writing assignments may be submitted to a dropbox within D2L. They could be checked for plagiarism. Using someone else’s work to complete your assignment is cheating.
 - 11) Assignments are due on the date given in the course calendar or daily lesson outline. These dates may be adjusted in class but only after discussion and notification in class and on D2L. Late work will only be accepted under special circumstances as determined by the instructor. Our D2L course shell and daily lesson outlines handed out at the beginning of each class session will be used often to communicate important course information, please check D2L daily.
 - 12) Please communicate with the instructor regarding challenging circumstances ASAP. Email is the first way to communicate but some issues are more appropriately handled face-to-face. Please work to make all communication timely.

An undergraduate student should expect to spend a minimum of 2 hours on this course outside the classroom for every hour in the classroom.

Disabilities: If you have a disability, it is your responsibility to contact the Office of Disability Services during the first two weeks of classes and discuss accommodations with the instructor. For more information use the following link: <http://www.uwsp.edu/stuaffairs/Documents/RightsRespons/ADA/rightsADAPolicyinfo.pdf>

Religious Beliefs: Students' sincerely held religious beliefs will be reasonably accommodated with respect to all examinations and other academic requirements. According to UWS 22.03, you must notify the instructor within the first three weeks of classes about specific dates which require accommodation.

Students' Rights & Responsibilities: In addition to the policies and expectations listed above please refer to the following link for more information concerning your rights and responsibilities as a UWSP student:
<http://www3.uwsp.edu/stuaffairs/Documents/RightsRespons/rightsCommBillRights.pdf>

Exam Schedule

Exam 1: Thursday, September 28

Exam 2: Thursday, October 26

Exam 3: Thursday, November 30

Final Exam: Monday, December 18 [12:30 – 2:30 in SCI D223]

Homework Policy

Homework assignments will include assignments in WeBWork (an online homework system that is FREE!) and assignments done with pencil and paper. These assignments will be recorded on daily lesson outlines and in the Tentative Course Calendar found in D2L. Please pay attention to due dates. Late work will not be accepted.

Grading

Homework, participation	10%
Weekly assessments (quizzes and such)	20%
Exams	35%
Final Exam	35%

Grades: The table below gives the percentage necessary to earn the corresponding grade. I reserve the right to exercise discretion in raising a student's grade if the final weighted average does not appear to reflect the quality of his or her work. In addition, a grade may be reduced for lack of participation/attendance as described above.

93% A	90% A-	87% B+	83% B	80% B-
77% C+	73% C	70% C-	67% D+	60% D

Welcome! Have a great semester!

