University of Wisconsin Oshkosh FDL Campus
Spring 2020 Math 101-105C Syllabus
Mo 10:20-11:20 am TuTh 9:40-11:10 am, C112

Instructor: Dr. Nastaran Mansour
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Office Hrs: MoTuWeTh 1:30 -3:00 pm, and by Appointment.

Course Information	Beginning and Intermediate Algebra course is a math course that covers algebra concepts, focused on critical thinking, problem solving and the communication of ideas to help students prepare for future coursework and future problem solving opportunities. **ALEKS CODE: 64W4J-6ANK3**
Prerequisite	A grade of C or better in Math 100 with a grade of C or better or based on placement test score.
Required Materials	ALEKS access (Sold at the bookstore, with the e-book included) Beginning and Intermediate Algebra McGraw-Hill 5th Edition by Miller, O'Neill, and Hyde (The e-book is included with purchase of the ALEKS program code. An optional hard copy textbook is also available for purchase.) Notebook for working through problems on ALEKS (Even though the problems are on-line, I strongly recommend that you work them out on paper and pencil, then enter your answer on-line. If you keep your work organized in a notebook, it will also serve as a valuable reference.) A calculator will be needed on some in-class written exams and quizzes. If permitted, a scientific calculator is allowed (e.g., TI-30XIIS, TI-30XS, TI-36X Pro). No cell phone, or other electronic device will be allowed.
AlEKS	ALEKS stands for **Assessment and Learning in Knowledge Spaces**. ALEKS is an on-line homework system for mathematics. We will use ALEKS for homework this semester. ALEKS is an adaptive homework system that does not use multiple choice. You will need to work out the problems on pencil and paper before submitting answers on the computer. One great advantage of an on-line homework system is that you have immediate feedback. ALEKS, in particular, is adaptive, so if you struggle with a particular topic, you will be asked to complete more questions related to that topic. That means that if you are already comfortable with a specific topic, you will not be forced to do a lot of "busy-work," but if you need more practice, you will get it. However, please be warned to take your homework and knowledge checks on ALEKS seriously. If you are careless, you may have to do a large number of additional questions to convince ALEKS that you know the material. We will use "ALEKS" in this course for the majority of your homework.

	Once you have acquired the ALEKS license via the bundle, go to **www.aleks.com**, and enter the Code: **64W4J-6ANK3** You will be required to take the Initial Knowledge Check. Please finish this assessment as soon as possible and start homework for chapter 4. It is important that you do your best, answer questions as accurately by yourself, without the aid of others, in order for ALEKS to properly gauge your skills so that you will have the best possible experience with the programs. An advantage of an online homework system is instantaneous feedback. Problems come from specific topics that are divided up by section of the textbook. Credit for a topic is awarded when enough problems are correctly solved. This is determined by ALEKS and is based on each individual's readiness for progression. Instead of solving a problem there is an option to see an explanation of the solution. However, this will not count toward completing a topic. Topics that are not complete in time to receive credit for the assignment are revisited at the end of each chapter. This provides another chance at that topic. Review problems are available in ALEKS. ALEKS makes the following available: a grade book, a progress report, a time line, and an ALEKS Pie which shows both the number of topics that have been completed as well as a number that are remaining. Even though ALEKS is online, every problem needs to be worked out by hand with paper and pencil. Students are encourage to have a dedicated notebook for their ALEKS assignments. Their notes will be useful for completing similar problems or when seeking aid from the instructor or a tutor. ALEKS Customer Support For ALEKS Customer Support (800) 258 2374 , or use the on-line contact at www.aleks.com
Course Content Objectives	This course is intended to cover the following objectives for this course are listed below (see calendar for detailed schedule) ➢ Students will work with linear systems using graphing method, substitution method and addition method. ➢ Students will utilize the applications of linear system equations in two variables. ➢ Students will study product and quotient rules for exponents. ➢ Students will utilize the properties of exponents, zero and negative exponents. ➢ Students will work with scientific notation. ➢ Students will study the properties of polynomials including addition, subtraction, multiplication and division of polynomials. ➢ Students will exercise the greatest common factor and factoring by grouping. ➢ Students will work with factoring of trinomials, using a c method and factoring by trial and error. ➢ Students will solve equations using zero product rule. ➢ Student will work with applications of quadratic equations.

Other Objectives

- Make you experience mathematics visually, algebraically and verbally
- Try to instill playfulness when working in mathematics
- Develop intuition, and critical thinking skills
- Be able to use proper mathematical terminologies in oral, and written communication

Grading Policy

- **Your grade in MATH 101 will be determined according to the following:**

MATH 101 grade	%
ALEKS Homework	10
Quizzes	20
Exam 1	20
Exam 2	20
Final Exam	30
Total	100

Grading Scale: Standard grading scale is used where scoring above 93% is an A, 90-92% is an A-, 87-89% is a B+, 83-86% is a B, 80-82% is a B, 77-79% is C+, 73-76% is a C, 70-72% is a C-, 67-69% is a D+, 63-66% is a D, 60-62% is a D-, and below 60% is an F.

Make-ups for the missed exams will be available only in very special cases. If you expect to miss a scheduled test due to extenuating circumstances and expect to get any consideration with respect to a make-up, I should be notified at least 24-hours in advance.

Quizzes:
Quizzes are brief in-class quizzes designed to check understanding of textbook/ lessons, workbook exercises and classroom topics. These quizzes may be administered one-on-one or in a group. **There will be NO make-ups on quizzes.**

Semester Tentative Calendar for Math 101-105C Course Spring 2020

Week	Monday	Tuesday	Wednesday	Thursday
1	Feb 3: **ALEKS, 4.1**	Feb 4: **4.1-4.2**		Feb 6: **4.2-4.3**
2	Feb 10: **4.3-4.4**	Feb 11: **4.4**		Feb 13: **Review**
3	Feb 17: **Exam 1**	Feb 18: **5.1-5.2**		Feb 20: **5.3-5.4**
4	Feb 24: **5.4-5.5**	Feb 25: **5.5 -5.6**		Sept 27: **5.6-5.7**
5	Mar 2: **Review**	Mar 3: **Exam 2**		Mar 5: **6.1-6.2**
6	Mar 9: **6.3 -6.4**	Mar 10: **6.5** – **6.6**		Mar 12: **6.7-6.8**
7	Mar 16: **Review**	Mar 17: **Final Exam**		Mar19: **Exam Review**

Cumulative Final Exam – Mar 17

NOTE: This timetable is tentative and could be updated during the semester. Updates will be announced in class