Syllabus (Fall 2015)

Intermediate Algebra (MAT 1033 - 009) 3 credits CRN 93746

Lab Sections: Mathematical Sciences Department
- Section 010 CRN 93749
- Section 011 CRN 93753
- Section 019 CRN 99813
- Section 020 CRN 99814

Prerequisite:
None

<table>
<thead>
<tr>
<th>Instructor: Bal K. Khadka</th>
<th>Sections: 009, 010, 011, 019, 020 CRN 93746, 93749, 93753, 99813, 99814</th>
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<tbody>
<tr>
<td>Office Hours: GS 211</td>
<td>Lecture: MW 9:00 -9:50, BU 120</td>
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<tr>
<td>M 10:00 am – 1:00 pm</td>
<td>Lab: SE 314 - T, R 8:00 – 9:50</td>
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<tr>
<td>Tutoring Hours: GS 211</td>
<td>Lab: SE 271 - T, R 10:00–11:50</td>
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<td>W 10:00 am – 1:00 pm</td>
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<tr>
<td>E-mail Address: <a href="mailto:bkhadka@fau.edu">bkhadka@fau.edu</a></td>
<td>Software: ALEKS 360</td>
</tr>
<tr>
<td>Office Phone number: 561.297.1344</td>
<td>Website: <a href="http://math.fau.edu/bkhadka/">http://math.fau.edu/bkhadka/</a></td>
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Description:
This course prepares students for MAC 1105, College Algebra. Topics include sets, properties of real numbers, exponents and radicals, factoring of polynomial expressions, algebraic fractions, linear, and radical equations and their applications.

This course does not satisfy GORDON RULE mathematics graduation requirement but is a necessary prerequisite for GORDON RULE math courses. This course counts as elective credit only.

Course Objectives:
Upon successful completion of this course, you will have the knowledge and skills pertaining to the following topics:
1. Sets
2. Properties of real numbers;
3. Exponents and radicals;
4. Factoring of polynomial expressions;
5. Algebraic fractions;
6. Linear, and radical equations and their applications.

IFP General Education Outcomes:
1. Knowledge in several different disciplines;
2. The ability to think critically;
3. The ability to communicate effectively;
4. An appreciation for how knowledge is discovered, challenged, and transformed as it advances;
5. An understanding of ethics and ethical behavior.


Software:
Students must purchase access to a web-based learning artificially intelligent assessment and learning system called ALEKS 360 (Assessment and LEarning in Knowledge Spaces). This can be purchased at the bookstore or directly on the ALEKS.com website – more information available in the Lab sections. You will also need access to Blackboard https://bb.fau.edu. If you are not familiar with Blackboard, visit http://www.fau.edu/irm/blackboard/bb9_student.php for Blackboard Tutorial for Students. All homework, quizzes and exams will be completed online using the ALEKS system. Students not registered in ALEKS after the third week of the semester may be dropped from the course.

Course Website:
All information pertaining to Intermediate Algebra will be posted on Blackboard; grades will be posted in the ALEKS gradebook. Students should check Blackboard regularly for updated information. Ignorance of posted information is NOT a valid excuse for missing assignments, quizzes, or exams. Questions not answered in the syllabus should be directed via e-mail to the instructor.

Required Materials and Technologies:
- A notebook
- A computer (you can use computers available on campus)
- You do not need to purchase a hard copy of the book. You will have access to the e-book Intermediate Algebra, 4th Ed., by Miller, O’Neill, and Hyde, through ALEKS.
- Students are required to bring blank paper, writing materials, and a valid picture ID (FAU owl cards, US passport or Florida Driver’s license) to the lab sessions.
- It is strongly recommended that students keep a notebook for their lecture notes and ALEKS homework so that they can readily review their work prior to a quiz or exam.

Lectures and Lab Sessions:
- Sections require two 50-minute lecture sessions plus a 110-minute session in SE 314 and SE 271 each week.
- The lecture sessions are the main presentation of the course material. Once the lecture has begun all cell phones and other electronic devices (other than calculators) must be turned off.
- Attendance to lectures and lab sessions is mandatory. A student may have at most 5 unexcused absences. A TOTAL OF 6 OR MORE UNEXCUSED ABSENCES WILL RECEIVE A GRADE OF “F” IN THE COURSE. Attendance means arriving on time.
and staying until dismissed by the instructor. Roll will be taken in lectures and in lab sessions (bring your Owl card). Absences from the computer lab must be made up by attending an open lab session.

- A valid FAU student ID card is required for access to the Intermediate Algebra Lab - SE 314 and SE 271.
- The scheduled 110-minute laboratory session in SE 314 and SE 271 each week is used for both supervised online homework and testing. These sessions consist of either a 30-minute quiz followed by a 80-minute of ALEKS work, or 30-minutes of work and an 80-minute exam each week. Exams will be given at approximately 3-week intervals (see the course Calendar/Outline) and quizzes every non-test week.
- Instructors and “Peer Tutors” (PTs) will be available to provide students with personalized help. Students are strongly encouraged to interact with them in order to get individualized, immediate answers to their questions.
- Students are expected to follow the posted rules and regulations in the SE 314 Lab. Chronic violators may be ejected from the lab.
- Students are expected to be on time for the lab session. Most of the important information will be given at the beginning of the lab session.

Grading:

ALEKS Homework (20%): Homework must be completed by the posted due dates. Give yourself ample time to complete assignments well before the posted due date. Lapses in Internet access, faulty computer, power outages, or scheduled maintenances are NOT valid excuses for missed or incomplete assignments.

Quizzes (25%): A 30-minute quiz will be given during lab times except on exam day. Quizzes will be done using the ALEKS system, however written work will be expected and collected for grading. Bring paper and pencil. Make-ups will only be given during open lab session and with instructor’s permission.

Exams (40%): A total of four written midterm exams will be administered. Each midterm exam will count in towards student’s final grade and no midterm exam grade will be dropped. Any grading errors or problems will have to be discussed with the instructor within a week you received your exam. Exams will not be reviewed at the end of the semester. Exams will be done using the ALEKS system, however written work will be expected and collected for grading. Bring paper and pencil.

Comprehensive Final Exam (15%): Final exam will take in the computer lab. More information on dates and times will be posted in blackboard. You must take the final exam to receive a passing grade.

**Grades below 65% (D):** students earning grades below 65 on quizzes or tests in any given week will be required to attend and document 2 hours of extra help for that week. The extra help can be received in the math-tutoring center at GS 211.
Course Grade:
The course grade will be calculated from ALEKS homework, quizzes, and five exams. Check your grades regularly to make sure that they correctly reflect your scores in the course. Any discrepancies must be notified to instructor via email.

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<tr>
<th>Component</th>
<th>Weight</th>
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<tbody>
<tr>
<td>Homework</td>
<td>20%</td>
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<tr>
<td>Quizzes</td>
<td>25%</td>
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<tr>
<td>Midterm Exams (4)</td>
<td>40%</td>
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<tr>
<td>Final Exam</td>
<td>15%</td>
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Grading Scale:

<table>
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<tr>
<th>Percentage Score</th>
<th>Grade</th>
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<tbody>
<tr>
<td>93% - 100%</td>
<td>A</td>
</tr>
<tr>
<td>90% - 92%</td>
<td>A-</td>
</tr>
<tr>
<td>87% - 89%</td>
<td>B+</td>
</tr>
<tr>
<td>83% - 86%</td>
<td>B</td>
</tr>
<tr>
<td>80% - 82%</td>
<td>B-</td>
</tr>
<tr>
<td>75% - 79%</td>
<td>C+</td>
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<tr>
<td>65% - 74%</td>
<td>C</td>
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<tr>
<td>60% - 64%</td>
<td>D</td>
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<tr>
<td>55% - 59%</td>
<td>D-</td>
</tr>
<tr>
<td>0% - 54%</td>
<td>F</td>
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Make-up Policy:
There is no makeup for any missed exams (except in cases of severe illness, in which case a written evidence from the hospital or a physician should be submitted, if possible in advance of the scheduled exam, otherwise, your absence will result in 0 points on the exam.)

Tutoring:
If you are having difficulties and need help in this course beyond the scope of what an instructor can provide or if you would just like some information on how to improve your studies, your university has resources available for you.

- SE 314 will hold Open Lab hours for additional tutoring and free help on Wednesdays from 10 am to 4 pm.
- SE 350 will hold open Lab hours on Mondays from 9 am to 12 pm and Fridays from 4 pm to 6 pm.
- The Boca campus has tutoring available in the Math Learning Center (MLC), room GS 211. Please see the MLC homepage at http://math.fau.edu/MLC/
- The Center for Learning and Student Success (CLASS) can help students find tutoring, improve study skills and much more. For more information visit the CLASS website at http://wise.fau.edu/CLASS/index.php or call (561) 297-0906.

FREE MATH TUTORING for FAU students!!
The Math Learning Center (MLC), located in GS211, is staffed by graduate students (and instructors) in mathematics as well as undergraduate tutors. The MLC provides the following FREE academic support services for FAU students:
1. Drop-in tutoring during all hours of operation
   Monday – Thursday: 9am – 6pm
   Friday: 9am – 4pm

2. Small group tutoring by appointment
   Email mlc@sci.fau.edu OR see the Assistant Director in GS211E

3. eTutoring (remote online tutoring)
   Find the schedule at www.math.fau.edu/MLC/remote/

4. Review sessions
   Find announcements at www.math.fau.edu/MLC for face to face reviews
   Find announcements at www.math.fau.edu/MLC/remote/ for online reviews
   Recordings of online reviews are posted here for the semester

Technical Problem Resolution:
In the online environment, there is always a possibility of technical issues (e.g. lost connection, hardware or software failure). Many of these problems can be resolved relatively quickly, but if students wait to the last minute before due dates, the chances of these glitches affecting their success are greatly increased. Please plan ahead of time. If problems occur, it is essential that students take immediate action to document the issue. Please follow these steps should a problem occur:

1. All students can access computers in any of the FAU campuses.
2. Contact the ALEKS customer service by phone, email, or online chat.
3. Complete a Help Desk ticket at http://www.fau.edu/helpdesk. Make sure the form is filled completely and provide a full description of the problem.
4. If students do not hear back from customer service, or the Help Desk in a timely manner (48 hours), it is the student’s responsibility to follow up with the appropriate person until a resolution is obtained.

Netiquette (Internet Etiquette)
Consult http://www.fau.edu/irm/about/netiquette.php for the conventions of politeness pertaining to e-mail and technology use.

By remaining enrolled in this course, you are agreeing to:

1. Uphold the Code of Academic Integrity of Florida Atlantic University, and
2. Accept accountability for the course requirements, the course expectations, and the participation policy stated in this document, and:
   a. Attend class regularly, lectures and lab sessions.
   b. Complete homework assignments as soon as possible.
   c. Attempt to do more problems other than those assign.
d. Regularly review your notes and use supplemental materials to master concepts etc.

e. Seek help immediately when necessary.

Communication Policy:
1. Announcements: You are responsible for reading all announcements posted by the instructor. Check the announcements each time you login to be sure you have read all of them since your last login session.

2. Course-related Questions: Read the syllabus first and check the Blackboard announcements. If your question is not answered in the syllabus or in the posted announcements, e-mail your question to the instructor or PT.

3. Email Policy: email is the preferred method to contact your instructor. Except for Saturdays, Sundays, and holidays, instructors will respond to messages generally within 24 hours.

Academic Honesty:
Florida Atlantic University expects you to be honest in all of your university class work. By registering for this course, you agree to follow the academic guidelines stated in the university catalog. Instances of academic dishonesty will be prosecuted to the fullest possible extent.

Honor Code:
Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty, including cheating and plagiarism, is considered a serious breach of these standards, because it interferes with the University mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the University community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see www.fau.edu/regulations/chapter4/4.001_Honor_Code.pdf.

Incomplete Grade Policy Statement:
A student who is passing a course, but has not completed all work due to exceptional circumstances, may, with consent of the instructor, temporarily receive a grade of incomplete (“I”). The assignment of the “I” grade is at the discretion of the instructor, but is allowed only if the student is passing the course.

The specific time required to make up an incomplete grade is at the discretion of the instructor. However, the College of Science policy on the resolution of incomplete grades requires that all work required to satisfy an incomplete (“I”) grade must be completed within a period of time not
exceeding one calendar year from the assignment of the incomplete grade. After one calendar year, the incomplete grade automatically becomes a failing (“F”) grade.

Disability Policy Statement:
In compliance with the Americans with Disabilities Act (ADA), students who require special accommodation due to a disability to properly execute coursework must register with the Office for Students with Disabilities (OSD) – in Boca Raton, SU 133, (561) 297-3880; in Davie, MOD 1, (954) 236-1222; in Jupiter, SR 117, (561) 799-8585; or, at the Treasure Coast, CO 128, (772) 873-3305 – and follow all OSD procedures. For more information on OSD you may visit their website at http://osd.fau.edu/

Religious Accommodation Policy Statement
In accordance with rules of the Florida Board of Education and Florida law, students have the right to reasonable accommodations from the University in order to observe religious practices and beliefs with regard to admissions, registration, class attendance and the scheduling of examinations and work assignments. For further information, please see Academic Policies and Regulations at http://www.fau.edu/academic/registrar/catalog/academics.php

A word of Advice:
This is a challenging course, but one that can be easily done if students plan their time wisely. Do not fall behind on the assignments. If there are any questions, contact the instructor immediately…Don’t wait!

If any student has math anxiety or worry about being successful in the course the student is strongly suggested to read the article: Coping with Math Anxiety.

This syllabus is subject to reasonable changes at the discretion of the instructor.