FORMAT 1

Submit original with signatures + 1 copy + electronic copy to Faculty Senate (Box 7500).

See http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures-/ for a complete description of the rules governing curriculum & course changes.

TRIAL COURSE OR NEW COURSE PROPOSAL
(Attach copy of syllabus)

SUBMITTED BY:

Department	**Department of Developmental Education**	College/School	**CRCD**
Prepared by	**Kelly Houlton**	Phone	**(907) 474-7526**
Email Contact	**klhoulton@alaska.edu**	Faculty Contact	**Kelly Houlton**

1. ACTION DESIRED (CHECK ONE):	Trial Course		New Course	X	
2. COURSE IDENTIFICATION:	Dept	**DEVM**	Course #	**054B**	No. of Credits **1.0**
Justify upper/lower division status & number of credits:	**This is the second of three single credits that together are equivalent to our current DEVM 054 Prealgebra course.**				
3. PROPOSED COURSE TITLE:	**Modularized Mastery Math (M-Cubed): Prealgebra Module B**				
4. To be CROSS LISTED? *YES/NO*	**No**	If yes, Dept:		Course #	

NOTE: Cross-listing requires approval of both departments and deans involved. Add lines at end of form for additional required signatures.

5. To be STACKED?* *YES/NO*	**No**	If yes, Dept.		Course #
How will the two course levels differ from each other? How will each be taught at the appropriate level?:				

* Use only one Format 1 form for the stacked course (not one for each level of the course!) and attach syllabi. Stacked course applications are reviewed by the (Undergraduate) Curricular Review Committee and by the Graduate Academic and Advising Committee. Creating two different syllabi (undergraduate and graduate versions) will help emphasize the different qualities of what are supposed to be two different courses. The committees will determine: 1) whether the two versions are sufficiently different (i.e. is there undergraduate and graduate level content being offered); 2) are undergraduates being overtaxed?; 3) are graduate students being undertaxed? In this context, the committees are looking out for the interests of the students taking the course. Typically, if either committee has qualms, they both do. More info online – see URL at top of this page.

6. FREQUENCY OF OFFERING:	**Fall (Every), Spring (Every)**
	Fall, Spring, Summer (Every, or Even-numbered Years, or Odd-numbered Years) – or As Demand Warrants
7. SEMESTER & YEAR OF FIRST OFFERING (Effective AY2015-16 if approved by 3/31/2015; otherwise AY2016-17)	**Summer 2016 if possible; Fall of AY2016-17**

8. COURSE FORMAT:

NOTE: Course hours may not be compressed into fewer than three days per credit. Any course compressed into fewer than six weeks must be approved by the college or school's curriculum council. Furthermore, **any core course compressed to less than six weeks must be approved by the Core Review Committee.**

COURSE FORMAT: (check all that apply)	[ ] *1* [ ] *2* [ ] *3* [ ] *4* [X] *5* [ ] *6 weeks to full semester*
OTHER FORMAT (specify)	**Variable depending on students' abilities, previous knowledge, and motivation. The course will be 14 hours of contact time.**
Mode of delivery (specify lecture, field trips, labs,	**M-Cubed (MMM) stands for Modularized Mastery Math. Modularization is used to separate topics into smaller mini-modules so students can fully master course concepts more readily and at their own pace. Students only move on to more**

etc)	**complex material when they are ready to learn it. Instruction is individualized for each student using individual and small-group lectures, computers and videos in a highly structured and supported learning environment. Students are guided individually as they work through their required mini-modules based on finely tuned diagnostic pre- and post-testing. Students will focus individually on what they need to master on their own semester-based timeline instead of being required to demonstrate previous knowledge through homework assignments and tests in a traditional class and having to "stay with the class" time-wise throughout the semester. Students will get the support they need – as they need it – as they work only on the material of which they do not already possess mastery.**

9. CONTACT HOURS PER WEEK: 3 LECTURE hours/weeks | LAB hours /week | PRACTICUM hours /week

Note: # of credits are based on contact hours. 800 minutes of lecture=1 credit. 2400 minutes of lab in a science course=1 credit. 1600 minutes in non-science lab=1 credit. 2400-4800 minutes of practicum=1 credit. 2400-8000 minutes of internship=1 credit. This must match with the syllabus. See http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures-/guidelines-for-computing-/ for more information on number of credits.

OTHER HOURS (specify type)

10. COMPLETE CATALOG DESCRIPTION including dept., number, title, credits, credit distribution, cross-listings and/or stacking (50 words or less if possible):

Example of a complete description:

FISH F487 W, O Fisheries Management
3 Credits Offered Spring
Theory and practice of fisheries management, with an emphasis on strategies utilized for the management of freshwater and marine fisheries. *Prerequisites: COMM F131X or COMM F141X; ENGL F111X; ENGL F211X or ENGL F213X; ENGL F414; FISH F425; or permission of instructor.* Cross-listed with NRM F487. (3+0)

DEVM F054B Modularized Mastery Math (M-Cubed): Prealgebra Module B
1 Credit Offered Fall, Spring
This course covers one credit of the DEVM 054 Prealgebra course and includes the following topics: converting fractions to decimals to percent in all directions, expressing and simplifying numbers in exponential form, using the order of operations to simplify expressions, solving basic ratio and proportion problems, evaluating and simplifying algebraic expressions, solving basic perimeter, area and circumference problems, find the mean, median, and mode, and solving applied problems. Topics are split into mini-modules and worked until mastery is achieved. Some mini-modules may be skipped if a student already demonstrates mastery of them. Computers will be used within a structured and independent learning setting. *Prerequisites: Grade of B or better in DEVM 054A or appropriate ALEKS PPL placement test scores. Prerequisite courses and/or placement exams must be taken within one calendar year; permission of instructor required.* (1+0)

11. COURSE CLASSIFICATIONS: Undergraduate courses only. Consult with CLA Curriculum Council to apply S or H classification appropriately; otherwise leave fields blank.

H = Humanities | S = Social Sciences

Will this course be used to fulfill a requirement for the baccalaureate core? **If YES, attach form.** **YES:** | **NO:** X

IF YES, check which core requirements it could be used to fulfill:

O = Oral Intensive, **Format 6** | W = Writing Intensive, **Format 7** | X = Baccalaureate Core

11.A Is course content related to northern, arctic or circumpolar studies? If yes, a "snowflake" symbol will be added in the printed Catalog, and flagged in Banner.

YES | **NO** X

12. COURSE REPEATABILITY:

Is this course repeatable for credit? **YES** | **NO** X

Justification: Indicate why the course can be repeated (for example, the course follows a different theme each time).

How many times may the course be repeated for credit? **TIMES**

If the course can be repeated for credit, what is the maximum number of credit hours that may be earned for this course?		CREDITS
If the course can be repeated with variable credit, what is the maximum number of credit hours that may be earned for this course?		CREDITS

13. *GRADING SYSTEM: Specify only one. Note: Changing the grading system for a course later on constitutes a Major Course Change – Format 2 form.*

LETTER: X PASS/FAIL:

RESTRICTIONS ON ENROLLMENT (if any)

14. *PREREQUISITES*

Grade of B or better in DEVM 054A or appropriate ALEKS PPL placement test scores. Prerequisite courses and/or placement exams must be taken within one calendar year; permission of instructor required.

These will be *required* before the student is allowed to enroll in the course.

15. *SPECIAL RESTRICTIONS, CONDITIONS*

Permission of instructor required. The Modularized Mastery Math sequence of courses is limited to a total of 18 students at any one time due to the size of our Developmental Math Lab. (DEVM 054A, B and C, DEVM 055D, E, and F, and DEVM 105G, H, and J are all held concurrently and meet at the same time.) Each student will need to be interviewed to determine a) whether they have taken algebra in the past or not; b) what their level of motivation is; c) if they are able to work independently; d) how comfortable they are working with computers; and e) that they understand the structure of modularized mastery learning and what they will be expected to do. Attendance will necessarily be a considerable part of their grade because M-Cubed is designed to help students finish their math sequence as quickly as possible. The only way to insure this is to require that a minimum amount of guided time is devoted to this class each week by the student. Since the course is self-paced and students are not all working on the same assignments at the same time, there is a very real danger of falling behind. Once a student gets behind, it becomes very difficult to catch up.

16. *PROPOSED COURSE FEES*

$25 for 1 – 3 credits of M-Cubed

Has a memo been submitted through your dean to the Provost for fee approval?
Yes/No

Yes

17. *PREVIOUS HISTORY*

Has the course been offered as special topics or trial course previously?
Yes/No

No

If yes, give semester, year, course #, etc.:

18. *ESTIMATED IMPACT*

WHAT IMPACT, IF ANY, WILL THIS HAVE ON BUDGET, FACILITIES/SPACE, FACULTY, ETC.

The Department of Developmental Education's Math Lab in Gruening 406 will lose 3 hours per week of open lab time while class is in session, and there will be a significant increase in lab usage. The class is offered Monday, Wednesday and Friday from 8:00 – 9:00 AM in order to minimize the loss of 3 hours' worth of open lab time.

19. *LIBRARY COLLECTIONS*

Have you contacted the library collection development officer (kljensen@alaska.edu, 474-6695) with regard to the adequacy of library/media collections, equipment, and services available for the proposed course? If so, give date of contact and

resolution. If not, explain why not.

No	X	Yes		Unnecessary; using an e-book and computers.

20. IMPACTS ON PROGRAMS/DEPTS

What programs/departments will be affected by this proposed action?
Include information on the Programs/Departments contacted (e.g., email, memo)

Department of Developmental Education; Math Department (Primarily); All other UAF departments and programs that require DEVM 054 as a prerequisite or degree/certificate requirement.

21. POSITIVE AND NEGATIVE IMPACTS

*Please specify **positive and negative** impacts on other courses, programs and departments resulting from the proposed action.*

Students will learn material to mastery levels and so be better prepared for their subsequent math courses. Students will be able to work as quickly as they are able to complete their developmental math sequence faster than traditional, semester-based courses. Students will only need to take the modules for which they do not already possess mastery instead of having to take and pay for a whole 3-credit course. M-Cubed is a valuable option for students allowing for more flexibility and tailoring to meet each student's individual needs. In Spring 2014 when the M-Cubed was first offered as a trial course for DEVM 055 and DEVM 105, two students completed all six credits in one semester and another student completed four credits (as she was able to test out of the first two Modules). Most students finished the first three Modules and one student who had placed into DEVM 105 finished the last three Modules. Overall the student response to M-Cubed is wonderful: they love it. M-Cubed DEVM 055D, E and F and DEVM 105G, H and J have been made into permanent courses; adding M-Cubed DEVM 054A, B and C will allow students to fully complete their developmental math sequence in a more streamlined and tailor-made manner.

JUSTIFICATION FOR ACTION REQUESTED

The purpose of the department and campus-wide curriculum committees is to scrutinize course change and new course applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be self-explanatory. Use as much space as needed to fully justify the proposed course.

Developmental mathematics is thrilled to offer another delivery option for our diverse students. The topics covered in DEVM 054 Prealgebra, DEVM 055 Elementary Algebra and DEVM 105 Intermediate Algebra have been split up into three individual credits each in order to offer students a more tailor-made, and thus efficient, learning experience. Structure has been built in to insure that students receive the support and focus they need to complete their math sequence in a timely manner. Attendance will necessarily be a considerable part of their grade because M-Cubed is designed to help students finish their math sequence as quickly as possible. The only way to insure this is to require that a minimum amount of guided time is devoted to this class each week by the student. Since the course is self-paced and students are not all working on the same assignments at the same time, there is a very real danger of falling behind. Once a student gets behind, it becomes very difficult to catch up.

The M-Cubed series of courses (DEVM 054A, B and C, DEVM 055D, E and F, and DEVM 105G, H and J) allows students to complete their developmental math sequence faster since, 1) students only need to complete the Modules for which they do not already exhibit mastery levels, thus saving them money as well, and 2) it is possible for students to earn up to nine credits (DEVM 054, 055 and 105 topics) in one semester.

There are three single-credit modularized mastery math courses being submitted for new courses at this time. DEVM 054A, B and C together are equivalent to DEVM 054 Prealgebra. These courses are necessary for the completion of our M-Cubed sequence: DEVM 055D, E and F (equivalent to DEVM 055 Elementary Algebra) and DEVM 105G, H and J (equivalent to DEVM 105 Intermediate Algebra) are already being offered as permanent courses and are proving to be popular with our students.

The progression will be as follows:

1. Students placing into DEVM 054-level math work a review of pre-test concepts for Module A (DEVM 054A).
2. Students then take the pre-test for Module A. If they receive 80% or higher, they already demonstrate mastery of these topics and will work the review of pre-test concepts for the subsequent Module. If the student receives less than 80%, they begin working Mini Modules (Mini Mods) associated with each question/concept they missed on the pre-test. Each Mini Mod covers one or two concepts broken down into smaller parts. Once they reach the required mastery level for each Mini Mod, they again work a review for their current Module, and after achieving the required mastery level on the review, they take the Module post-test. If they receive 80% or higher, they have completed the Module and will begin working the pre-test review for the next Module in the sequence. If they receive less than 80% mastery they begin reworking the associated Mini Mods for each question they missed.
3. Students continue working in this cycle until they complete each module in which they have registered.
4. Students do not pay for or earn credit for any module in which they already possess mastery. The professor helps manage the necessary paperwork for dropping and adding to insure that each student is registered only for the modules that they need in order to help streamline the process as much as possible for the student.
NOTE: Students will be charged the $25 course fee ONCE for one to three credits. If they sign up for more than three credits (Modules), they will be charged the $25 course fee once again for the next one to three credits.

APPROVALS: Add additional signature lines as needed.

		Date	10/2/15
Signature, Chair, Program/Department of:	DEV Ed		
		Date	10/2/15
Signature, Chair, College/School Curriculum Council for:	CRD Academic Council		
		Date	10/2/15
Signature, Dean, College/School of:	COLLEGE OF RURAL AND COMMUNITY DEVELOPMENT		

Offerings above the level of approved programs must be approved in advance by the Provost.

		Date	
Signature of Provost (if above level of approved programs)			

ALL SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE

		Date	
Signature, Chair Faculty Senate Review Committee:	___Curriculum Review ___GAAC ___Core Review ___SADAC		

ADDITIONAL SIGNATURES: (As needed for cross-listing and/or stacking)

		Date	
Signature, Chair, Program/Department of:			

		Date	
Signature, Chair, College/School Curriculum Council for:			
		Date	
Signature, Dean, College/School of:			

ATTACH COMPLETE SYLLABUS (as part of this application). This list is online at: http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures-/uaf-syllabus-requirements/
The Faculty Senate curriculum committees will review the syllabus to ensure that each of the items listed below are included. If items are missing or unclear, the proposed course (or changes to it) may be denied.

SYLLABUS CHECKLIST FOR ALL UAF COURSES
During the first week of class, instructors will distribute a course syllabus. Although modifications may be made throughout the semester, this document will contain the following information (as applicable to the discipline):

1. Course information:
❑Title, ❑ number, ❑credits, ❑prerequisites, ❑ location, ❑ meeting time (make sure that contact hours are in line with credits).

2. Instructor (and if applicable, Teaching Assistant) information:
❑ Name, ❑ office location, ❑ office hours, ❑ telephone, ❑ email address.

3. Course readings/materials:
❑ Course textbook title, ❑ author, ❑ edition/publisher.
❑ Supplementary readings (indicate whether ❑ required or ❑ recommended) and ❑ any supplies required.

4. Course description:
❑ Content of the course and how it fits into the broader curriculum;
❑ Expected proficiencies required to undertake the course, if applicable.
❑ Inclusion of catalog description is *strongly* recommended, and
❑ Description in syllabus must be consistent with catalog course description.

5. ❑ Course Goals (general), and (see #6)

6. ❑ Student Learning Outcomes (more specific)

7. Instructional methods:
❑ Describe the teaching techniques (eg: lecture, case study, small group discussion, private instruction, studio instruction, values clarification, games, journal writing, use of Blackboard, audio/video conferencing, etc.).

8. Course calendar:
❑ A schedule of class topics and assignments must be included. Be specific so that it is clear that the instructor has thought this through and will not be making it up on the fly (e.g. it is not adequate to say "lab". Instead, give each lab a title that describes its content). You may call the outline Tentative or Work in Progress to allow for modifications during the semester.

9. Course policies:
❑ Specify course rules, including your policies on attendance, tardiness, class participation, make-up exams, and plagiarism/academic integrity.

10. Evaluation:
❑ Specify how students will be evaluated, ❑ what factors will be included, ❑ their relative value, and ❑ how they will be tabulated into grades (on a curve, absolute scores, etc.) ❑ Publicize UAF regulations with regard to the grades of "C" and below as applicable to this course. (Not required in the syllabus, but is a convenient way to publicize this.) Link to PDF summary of grading policy for "C":
http://www.uaf.edu/files/uafgov/Info-to-Publicize-C_Grading-Policy-UPDATED-May-2013.pdf

11. Support Services:
❑ Describe the student support services such as tutoring (local and/or regional) appropriate for the course.

12. Disabilities Services: Note that the phone# and location have been **updated.**
http://www.uaf.edu/disability/ The Office of Disability Services implements the Americans with Disabilities Act (ADA), and ensures that UAF students have equal access to the campus and course materials.

❑ State that you will work with the Office of Disabilities Services (208 WHITAKER BLDG, 474-5655)to provide reasonable accommodation to students with disabilities.

Table of Contents

SYLLABUS

****** PLEASE TURN OFF YOUR CELL PHONE AND ANY MUSIC DEVICES ******

1. Course information: DEVM 054A Modularized Mastery Math: Prealgebra Module A (1 credit)
DEVM 054B Module B (1 credit)
DEVM 054C Module C (1 credit)

DEVM 055D Modularized Mastery Math: Elementary Algebra MOD D (1 credit)
DEVM 055E MOD E (1 credit)
DEVM 055F MOD F (1 credit)

DEVM 105G Modularized Mastery Math: Intermediate Algebra MOD G (1 credit)
DEVM 105H MOD H (1 credit)
DEVM 105J MOD J (1 credit)

Prerequisites: DEVM 054: appropriate ALEKS PPL placement test scores. DEVM 055: Grade of C or better in DEVM 054; or 054C; or ABUS 155; or appropriate ALEKS PPL placement test scores. DEVM 105: Grade of C or better in DEVM 055; or DEVM 055F; or appropriate ALEKS PPL placement test scores. Prerequisite courses and/or placement exams must be taken within one calendar year; permission of instructor required.
Place: Gruening 406 Developmental Math Lab
Time: Monday/Wednesday/Friday 8:00 – 9:00 AM

2. Instructor: Kelly Houlton, Assistant Professor, Department of Developmental Education
Office: Gruening 508E
Office Hours: Mon/Wed/Fri NOON – 3:00 PM, Tue/Thur 1:30 – 3:00 PM or by appointment
Phone/Email: 474-7526 / klhoulton@alaska.edu
Fax: 474-1118
Emergency: Call Renee Pike, 474-1112, Gruening 508

3. Course readings/materials: Required: PreAlgebra with Power Learning, Messersmith, Perez and Feldman, 1st edition, (McGraw-Hill) and Beginning and Intermediate Algebra, Sherri Messersmith, 3rd edition, (McGraw-Hill) **on ALEKS (electronic copy of textbook)**. Required: ALEKS 360 access code to utilize ALEKS on computer. Recommended: Mastering Mathematics: How to be a Great Math Student by Richard Manning Smith (Wadsworth). These books are on reserve at the library on a 2-hour basis. If you do not have your ALEKS 360 access code yet, please see page 11 for a free, two-week access code. You will be provided with DVDs for each Module when you begin working the assignments.

Supplies checklist: **___ pencil**
___ eraser

___ 3-ring binder notebook
___ lots of paper
___ headphones (for watching math videos during class or lab times)

4. Course Description and Expectations: DEVM 054A, B and C each cover one credit of the DEVM 054 Prealgebra course and include the following topics:

Module A – basic operations with integers, decimals and fractions, graphing integers, decimals and fractions on the number line, and solving applied problems;
Module B – converting fractions to decimals to percents in all directions, expressing and simplifying numbers in exponential form, order of operations, solving basic ratios and proportions, evaluating and simplifying algebraic expressions, perimeter, area and circumference, mean, median, and mode, and solving applied problems;
Module C – solving basic linear equations involving whole numbers, integers, decimals and fractions, solving ratios and proportions and percent problems, solving applied problems.

DEVM 055D, E and F each cover one credit of the DEVM 055 Elementary Algebra course and include the following topics:

Module D - simplifying algebraic expressions, solving linear equations in one variable, solving linear and compound inequalities in one variable, applications of linear equations, and solving formulas;
Module E - linear equations in two variables, graphing linear equations, finding the slope of linear equations, writing equations of lines, exponent rules, and operations on polynomials;
Module F - factoring polynomials, solving quadratic equations by factoring, simplifying rational expressions, operations with rational expressions, complex fractions, solving rational equations, and applications of quadratic and rational equations.

DEVM 105G, H, and J each cover one credit of the DEVM 105 Intermediate Algebra course and include the following topics:

Module G - solving systems of equations and applications, simplifying radicals and expressions with rational exponents, performing operations on radical expressions, solving radical equations, and performing operations on complex numbers;
Module H - review of solving quadratic equations by factoring, solving quadratic equations that are not factorable, relations and functions, quadratic functions and their graphs, performing operations on functions, compositions of functions, and applications of quadratic equations and functions;
Module J - solving absolute value equations and inequalities, solving linear and compound linear inequalities, solving quadratic and rational inequalities, inverse functions, exponential functions, logarithmic functions, properties of logarithms, and solving exponential and logarithmic equations.

Topics are split into mini-modules and worked until mastery is achieved. Some mini-modules may be skipped if a student already demonstrates mastery of them. Computers will be used within a structured and independent learning setting. **Prerequisites: DEVM 054** – appropriate ALEKS PPL placement test scores. **DEVM 055** - Grade of C- or better in DEVM 054; DEVM 054C; or ABUS 155 or appropriate ALEKS PPL placement test scores. **DEVM 105** - Grade of C- or better in DEVM 055; or DEVM 055F; or appropriate ALEKS PPL placement test scores. Prerequisite courses and/or placement exams must be taken within one calendar year; permission of instructor required.

The sequence of courses DEVM 054A, 054B, and 054C is intended to prepare students for DEVM 055 Elementary Algebra. DEVM 055D, 055E, and 055F is intended to prepare students for DEVM 105 Intermediate Algebra or DEVM 105N Intensive Intermediate Algebra. You must be able to perform basic math processes at the C- grade level or above. The sequence of courses DEVM 105G, 105H, and 105J is intended to prepare

students for MATH 113X, 151X or 122X. You must be able to perform beginning algebra at the C- grade level or above.

Each module consists of a Preview (30 problems), Pre-test (30 problems), 9 mini-modules (MINI MODs) consisting of 5 Practice (Prac) problems and 10 Homework (HMWK) problems, Post-Review (30 problems), and a Post-test (30 problems). This class will be taught through videos, one-on-one computer classwork on ALEKS, small-group lectures and one-on-one tutoring. You will only work on the MINI MODs for which you do not already exhibit mastery based on the results of your Module Pre-tests. If you pass the Pre-test with 80% or higher we will transfer you to the next module in your sequence. There is no penalty for not achieving mastery instantly or for reworking MINI MODs or for retaking Module Post-tests. Attendance will be crucial in insuring that students are able to complete at least three, and possibly six or all nine Modules in one semester.

Here's the Game Plan for each Module:

1. Work the 30-problem Preview. Ask questions, but don't spend a lot of time here.
2. Schedule a time with me to take the Pre-test outside my office.
3. If you receive 80% or better you will be transferred to the next module in your sequence.
   If you receive less than 80% you will begin working the MINI MODs for the questions you missed.
4. Read the sections in the book associated with your first assigned MINI MOD, then watch the associated MINI MOD video on the DVD.
5. Work the MINI MOD Practice problems until you reach the required mastery level, then work the MINI MOD HMWK problems until you reach the required mastery level.
6. After reaching mastery levels for each MINI MOD, you will work the Post-Review.
7. Schedule a time with me to take the Post-test outside my office.
8. If you receive 80% or better you have completed the module and earned one credit. You may begin work on the next module for which you have enrolled.
   If you receive less than 80% you will begin working the MINI MODs that correspond to the questions you answered incorrectly. You will continue this cycle until you achieve mastery.

5. Course goals: The goal of DEVM 054 is for you to demonstrate mastery of prerequisite Prealgebra skills required for the successful completion of DEVM 055, or DEVM 055D, E and F. The goal of DEVM 055 is for you to demonstrate mastery of prerequisite Elementary Algebra skills required for successful completion of DEVM 105, or DEVM 105G, H, and J, or DEVM 105N. The goal of DEVM 105 is for you to demonstrate mastery of prerequisite Intermediate Algebra skills required for successful completion of MATH 113X, 151X or 122X. These skills include logical reasoning, knowing when and how to use appropriate formulas, communicating mathematical solutions verbally and in writing, critical thinking and problem-solving skills, collaborative learning, and appreciation for the importance and beauty of mathematics.

6. Student Learning Outcomes:

DEVM 054

Module A:

1. Perform basic operations with integers
2. Perform basic operations with decimals
3. Perform basic operations with fractions
4. Graph integers, fractions and decimals on a number line
5. Solve applied problems

Module B:

1. Convert fractions to decimals to percents in all directions
2. Express and simplify numbers in exponential form (whole number exponents)
3. Use the order of operations to simplify expressions

4. Solve basic ratio and proportion problems
5. Evaluate algebraic expressions
6. Simplify basic algebraic expressions
7. Utilize basic properties of geometry involving perimeter, area and circumference
8. Find the mean, median, and mode of a list of numbers
9. Solve applied problems

Module C:

1. Identify and solve basic linear equations involving whole numbers, integers, decimals and fractions
2. Solve ratio and proportion problems
3. Solve percent problems
4. Solve applied problems

DEVM 055

Module D:

1. Simplify and evaluate algebraic expressions
2. Solve linear equations in one variable
3. Solve and graph linear inequalities in one variable
4. Solve applied problems using linear equations in one variable

Module E:

5. Solve linear equations in two variables
6. Graph and interpret linear equations
7. Determine the slope of a line
8. Determine equations of lines
9. Apply understanding of exponent rules
10. Perform operations on polynomials

Module F:

11. Factor polynomials
12. Solve quadratic equations by factoring
13. Simplify and perform operations on rational expressions
14. Solve rational equations
15. Solve applied quadratic and rational equations problems

DEVM 105

Module G:

1. Solve systems of linear equations
2. Simplify and perform operations on radical expressions and rational exponents
3. Solve radical equations
4. Simplify and perform operations on complex numbers
5. Solve applied problems using systems of linear equations

Module H:

6. Solve quadratic equations that are not factorable
7. Graph and interpret linear functions

8. Graph and interpret quadratic functions
9. Graph and interpret absolute value functions
10. Graph and interpret square root functions
11. Combine, compose, and evaluate functions
12. Solve applied problems with quadratic equations and functions

Module J:

13. Solve linear absolute value equations
14. Solve linear inequalities in two variables
15. Solve quadratic inequalities
16. Determine and graph inverse functions
17. Graph and interpret exponential functions
18. Graph and interpret logarithmic functions
19. Solve exponential and logarithmic equations

7. Instructional methods: This class will be taught through videos, one-on-one computer classwork on ALEKS, small-group lectures and one-on-one tutoring outside of class following a modularized, mastery learning format. Attendance is very important in order to finish three, or all six, modules in one semester.

8. Course calendar: Note – since you will be working independently, this schedule will vary. I will check your notebook three times this semester. There are six calendars here: one for completing **all nine modules** (p. **) this semester (DEVM 054A, B, C, 055D, E, F and 105G, H, J); one for completing the **first six modules** (p. **) this semester (DEVM 054A, B, C and 055D, E, F); one for completing the **last six modules** (p. **) this semester (DEVM 055D, E, F and 105G, H, J); one for completing the **first three modules** (p. **) this semester (DEVM 054A, B, C); one for completing the **middle three modules** (p. **) this semester (DEVM 055D, E, F); and one for completing the **last three modules** this semester (DEVM 105G, H, J). Keep in mind that you may not need to do every module or MINI MOD (based on your Pre-test scores.) **You should be working on M-Cubed EVERY DAY!**

CALENDAR FOR FINISHING ALL 9 MODULES:

Wk :	Monday	Tuesday	Wednesday	Thursday	Friday
1				9-3-15 1st day of classes	9-4-15 Mod A Preview 1st day of M-Cubed class
2	9-7-15 NO CLASS	9-8-15 Mod A Pre-test 1 Prac 1 HMWK 2 Prac 2 HMWK	9-9-15 3 Prac 3 HMWK 4 Prac 4 HMWK 5 Prac 5 HMWK	9-10-15 6 Prac 6 HMWK 7 Prac 7 HMWK 8 Prac 8 HMWK	9-11-15 9 Prac 9 HMWK Mod A Post-Review
3	9-14-15 Mod A Post-test Mod B Preview	9-15-15 Mod B Pre-test 10 Prac 10 HMWK 11 Prac 11 HMWK	9-16-15 12 Prac 12 HMWK 13 Prac 13 HMWK 14 Prac 14 HMWK	9-17-15 15 Prac 15 HMWK 16 Prac 161 HMWK 17 Prac 17 HMWK	9-18-15 18 Prac 18 HMWK Mod B Post-Review
4	9-21-15 Mod B Post-test Mod C Preview	9-22-15 Mod C Pre-test 19 Prac 19 HMWK	9-23-15 20 Prac 2 HMWK 21 Prac 21 HMWK	9-24-15 22 Prac 22 HMWK 23 Prac	9-25-15 23 HMWK 24 Prac 24 HMWK
5	9-28-15 25 Prac 25 HMWK	9-29-15 26 Prac 26 HMWK	9-30-15 27 Prac 27 HMWK	10-1-15 Mod C Post-Review	10-2-15 Mod C Post-test

6	10-5-15 Final Exam Review (054)	10-6-15 Final Exam Review (054)	10-7-15 DEVM 054 written final exam	10-8-15 Mod D Preview	10-9-15 Mod D Pre-test 28 Prac 28 HMWK 29 Prac 29 HMWK
7	10-12-15 30 Prac 30 HMWK 31 Prac 31 HMWK 32 Prac 32 HMWK	10-13-15 33 Prac 33 HMWK 34 Prac 34 HMWK 35 Prac 35 HMWK	10-14-15 36 Prac 36 HMWK Mod D Post-Review	10-15-15 Mod D Post-test Mod E Preview	10-16-15 Mod E Pre-test 37 Prac 37 HMWK 38 Prac 38 HMWK
8	10-19-15 39 Prac 39 HMWK 40 Prac 40 HMWK 41 Prac 41 HMWK	10-20-15 42 Prac 42 HMWK 43 Prac 43 HMWK 44 Prac 44 HMWK	10-21-15 45 Prac 45 HMWK Mod E Post-Review	10-22-15 Mod E Post-test Mod F Preview	10-23-15 Mod F Pre-test 46 Prac 46 HMWK
9	10-26-15 47 Prac 47 HMWK 48 Prac 48 HMWK	10-27-15 49 Prac 49 HMWK 50 Prac	10-28-15 50 HMWK 51 Prac 51 HMWK	10-29-15 52 Prac 52 HMWK	10-30-15 53 Prac 53 HMWK
10	11-2-15 54 Prac 54 HMWK	11-3-15 Mod F Post-Review	11-4-15 Mod F Post-test	11-5-15 Final Exam Review (055)	11-6-15 Final Exam Review (055) Last day to add a Module
11	11-9-15 DEVM 055 written final exam	11-10-15 Mod G Preview	11-11-15 Mod G Pre-test 55 Prac 55 HMWK	11-12-15 56 Prac 56 HMWK 57 Prac 57 HMWK 58 Prac 58 HMWK	11-13-15 59 Prac 59 HMWK 60 Prac 60 HMWK 61 Prac 61 HMWK
12	11-16-15 62 Prac 62 HMWK 63 Prac 63 HMWK Mod G Post-Review	11-17-15 Mod G Post-test Mod H Preview	11-18-15 Mod H Pre-test 64 Prac 64 HMWK	11-19-15 65 Prac 65 HMWK 66 Prac 66 HMWK 67 Prac 67 HMWK	11-20-15 68 Prac 68 HMWK 69 Prac 69 HMWK 70 Prac 70 HMWK
13	11-23-15 71 Prac 71 HMWK 72 Prac 72 HMWK Mod H Post-Review	11-24-15 Mod H Post-test Mod J Preview	11-25-15 Mod J Pre-test	11-26-15 Happy Thanksgiving!	11-27-15 NO CLASS

14	11-30-15 73 Prac 73 HMWK 74 Prac 74 HMWK	12-1-15 75 Prac 75 HMWK 76 Prac	12-2-15 76 HMWK 77 Prac 77 HMWK	12-3-15 78 Prac 78 HMWK 79 Prac	12-4-15 79 HMWK 80 Prac 80 HMWK
15	12-7-15 81 Prac 81 HMWK	12-8-15 Mod J Post-Review	12-9-15 Mod J Post-Test	12-10-15 Final Exam Review (105)	12-11-15 Final Exam Review (105)
16	12-14-15 DEVM 105 written Final Exam				

CALENDAR FOR FINISHING THE FIRST 6 MODULES (A, B, C, D, E, F):

Wk :	Monday	Tuesday	Wednesday	Thursday	Friday
1				9-3-15 1st day of classes	9-4-15 Mod A Preview 1st day of M-Cubed class
2	9-7-15 NO CLASS	9-8-15 Mod A Pre-test	9-9-15 1 Prac 1 HMWK	9-10-15 2 Prac 2 HMWK	9-11-15 3 Prac 3 HMWK
3	9-14-15 4 Prac 4 HMWK 5 Prac	9-15-15 5 HMWK 6 Prac 6 HMWK	9-16-15 7 Prac 7 HMWK 8 Prac	9-17-15 8 HMWK 9 Prac 9 HMWK	9-18-15 Mod A Post-Review
4	9-21-15 Mod A Post-test	9-22-15 Mod B Preview	9-23-15 Mod B Pre-test	9-24-15 10 Prac 10 HMWK 11 Prac	9-25-15 11 HMWK 12 Prac 12 HMWK
5	9-28-15 13 Prac 13 HMWK 14 Prac	9-29-15 14 HMWK 15 Prac 15 HMWK	9-30-15 16 Prac 16 HMWK 17 Prac	10-1-15 17 HMWK 18 Prac 18 HMWK	10-2-15 Mod B Post-Review
6	10-5-15 Mod B Post-test	10-6-15 Mod C Preview	10-7-15 Mod C Pre-test	10-8-15 19 Prac 19 HMWK 20 Prac	10-9-15 20 HMWK 21 Prac 21 HMWK
7	10-12-15 22 Prac 22 HMWK 23 Prac	10-13-15 23 HMWK 24 Prac 24 HMWK	10-14-15 25 Prac 25 HMWK 26 Prac	10-15-15 26 HMWK 27 Prac 27 HMWK	10-16-15 Mod C Post-Review
8	10-19-15 Mod C Post-test	10-20-15 Final Exam Review (054)	10-21-15 Final Exam Review (054)	10-22-15 Final Exam Review (054)	10-23-15 DEVM 054 written final exam
9	10-26-15 Mod D Preview	10-27-15 Mod D Pre-test	10-28-15 28 Prac 28 HMWK 29 Prac	10-29-15 29 HMWK 30 Prac 30 HMWK	10-30-15 31 Prac 31 HMWK 32 Prac
10	11-2-15 32 HMWK 33 Prac 33 HMWK	11-3-15 34 Prac 34 HMWK 35 Prac	11-4-15 35 HMWK 36 Prac 36 HMWK	11-5-15 Mod D Post-Review	11-6-15 Mod D Post-test Last day to add a Module

11	11-9-15 Mod E Preview	11-10-15 Mod E Pre-test	11-11-15 37 Prac 37 HMWK 38 Prac	11-12-15 38 HMWK 39 Prac 39 HMWK	11-13-15 40 Prac 40 HMWK 41 Prac
12	11-16-15 41 HMWK 42 Prac 42 HMWK	11-17-15 43 Prac 43 HMWK 44 Prac	11-18-15 44 HMWK 45 Prac 45 HMWK	11-19-15 Mod E Post-Review	11-20-15 Mod E Post-test
13	11-23-15 Mod F Preview	11-24-15 Mod F Pre-test	11-25-15 46 Prac 46 HMWK 47 Prac	11-26-15 Happy Thanksgiving!	11-27-15 NO CLASS
14	11-30-15 47 HMWK 48 Prac 48 HMWK	12-1-15 49 Prac 49 HMWK 50 Prac	12-2-15 50 HMWK 51 Prac 51 HMWK	12-3-15 52 Prac 52 HMWK 53 Prac	12-4-15 53 HMWK 54 Prac 54 HMWK
15	12-7-15 Mod F Post-Review	12-8-15 Mod F Post-test	12-9-15 Final Exam Review (055)	12-10-15 Final Exam Review (055)	12-11-15 Final Exam Review (055)
16	12-14-15 DEVM 055 written final exam				

CALENDAR FOR FINISHING THE LAST 6 MODULES (D, E, F, G, H, J):

Wk :	Monday	Tuesday	Wednesday	Thursday	Friday
1				9-3-15 1st day of classes	9-4-15 Mod D Preview 1st day of M-Cubed class
2	9-7-15 NO CLASS	9-8-15 Mod D Pre-test	9-9-15 28 Prac 28 HMWK	9-10-15 29 Prac 29 HMWK	9-11-15 30 Prac 30 HMWK
3	9-14-15 31 Prac 31 HMWK 32 Prac	9-15-15 32 HMWK 33 Prac 33 HMWK	9-16-15 34 Prac 34 HMWK 35 Prac	9-17-15 35 HMWK 36 Prac 36 HMWK	9-18-15 Mod D Post-Review
4	9-21-15 Mod D Post-test	9-22-15 Mod E Preview	9-23-15 Mod E Pre-test	9-24-15 37 Prac 37 HMWK 38 Prac	9-25-15 38 HMWK 39 Prac 39 HMWK
5	9-28-15 40 Prac 40 HMWK 41 Prac	9-29-15 41 HMWK 42 Prac 42 HMWK	9-30-15 43 Prac 43 HMWK 44 Prac	10-1-15 44 HMWK 45 Prac 45 HMWK	10-2-15 Mod E Post-Review
6	10-5-15 Mod E Post-test	10-6-15 Mod F Preview	10-7-15 Mod F Pre-test	10-8-15 46 Prac 46 HMWK 47 Prac	10-9-15 47 HMWK 48 Prac 48 HMWK
7	10-12-15 49 Prac 49 HMWK 50 Prac	10-13-15 50 HMWK 51 Prac 51 HMWK	10-14-15 52 Prac 52 HMWK 53 Prac	10-15-15 53 HMWK 54 Prac 54 HMWK	10-16-15 Mod F Post-Review

8	10-19-15 Mod F Post-test	10-20-15 Final Exam Review (055)	10-21-15 Final Exam Review (055)	10-22-15 Final Exam Review (055)	10-23-15 DEVM 055 written final exam
9	10-26-15 Mod G Preview	10-27-15 Mod G Pre-test	10-28-15 55 Prac 55 HMWK 56 Prac	10-29-15 56 HMWK 57 Prac 57 HMWK	10-30-15 58 Prac 58 HMWK 59 Prac
10	11-2-15 59 HMWK 60 Prac 60 HMWK	11-3-15 61 Prac 61 HMWK 62 Prac	11-4-15 62 HMWK 63 Prac 63 HMWK	11-5-15 Mod G Post-Review	11-6-15 Mod G Post-test Last day to add a Module
11	11-9-15 Mod H Preview	11-10-15 Mod H Pre-test	11-11-15 64 Prac 64 HMWK 65 Prac	11-12-15 65 HMWK 66 Prac 66 HMWK	11-13-15 67 Prac 67 HMWK 68 Prac
12	11-16-15 68 HMWK 69 Prac 69 HMWK	11-17-15 70 Prac 70 HMWK 71 Prac	11-18-15 71 HMWK 72 Prac 72 HMWK	11-19-15 Mod H Post-Review	11-20-15 Mod H Post-Review
13	11-23-15 Mod H Post-test	11-24-15 Mod J Preview	11-25-15 Mod J Pre-test	11-26-15 Happy Thanksgiving!	11-27-15 NO CLASS
14	11-30-15 73 Prac 73 HMWK 74 Prac 74 HMWK	12-1-15 75 Prac 75 HMWK 76 Prac	12-2-15 76 HMWK 77 Prac 77 HMWK	12-3-15 78 Prac 78 HMWK 79 Prac	12-4-15 79 HMWK 80 Prac 80 HMWK
15	12-7-15 81 Prac 81 HMWK	12-8-15 Mod J Post-Review	12-9-15 Mod J Post-Test	12-10-15 Final Exam Review (105)	12-11-15 Final Exam Review (105)
16	12-14-15 DEVM 105 written Final Exam				

CALENDAR FOR FINISHING MODULES A, B AND C:

Wk :	Monday	Tuesday	Wednesday	Thursday	Friday
1				9-3-15 1st day of classes	9-4-15 Mod A Preview - 1st day of M-Cubed class
2	9-7-15 NO CLASS	9-8-15 Mod A Preview	9-9-15 Mod A Pre-test	9-10-15 1 Prac 1 HMWK	9-11-15 2 Prac 2 HMWK
3	9-14-15 3 Prac 3 HMWK	9-15-15 4 Prac	9-16-15 4 HMWK	9-17-15 5 Prac	9-18-15 5 HMWK
4	9-21-15 6 Prac 6 HMWK	9-22-15 7 Prac	9-23-15 7 HMWK	9-24-15 8 Prac	9-25-15 8 HMWK
5	9-28-15 9 Prac	9-29-15 9 HMWK	9-30-15 Mod A Post-Review	10-1-15 Mod A Post-Review	10-2-15 Mod A Post-Review

6	10-5-15 Mod A Post-test	10-6-15	10-7-15 Mod B Preview	10-8-15 Mod B Preview	10-9-15 Mod B Pre-test
7	10-12-15 10 Prac 10 HMWK	10-13-15 11 Prac	10-14-15 11 HMWK	10-15-15 12 Prac	10-16-15 12 HMWK
8	10-19-15 13 Prac 13 HMWK	10-20-15 14 Prac	10-21-15 14 HMWK 15 Prac	10-22-15 15 HMWK	10-23-15 16 Prac 16 HMWK
9	10-26-15 17 Prac	10-27-15 17 HMWK	10-28-15 18 Prac 18 HMWK	10-29-15 Mod B Post-Review	10-30-15 Mod B Post-Review
10	11-2-15 Mod B Post-test	11-3-15	11-4-15 Mod C Preview	11-5-15 Mod C Preview	11-6-15 Mod C Pre-test Last day to add a Module
11	11-9-15 19 Prac 19 HMWK	11-10-15 20 Prac	11-11-15 20 HMWK 21 Prac	11-12-15 21 HMWK	11-13-15 22 Prac 22 HMWK
12	11-16-15 23 Prac 23 HMWK	11-17-15 24 Prac	11-18-15 24 HMWK	11-19-15 25 Prac	11-20-15 25 HMWK
13	11-23-15 26 Prac	11-24-15 26 HMWK	11-25-15 27 Prac	11-26-15 Happy Thanksgiving!	11-27-15 NO CLASS
14	11-30-15 27 HMWK	12-1-15 Mod C Post-Review	12-2-15 Mod C Post-Review	12-3-15 Mod C Post-Review	12-4-15 Mod C Post-Review
15	12-7-15 Mod C Post-test	12-8-15 Final Exam Review (054)	12-9-15 Final Exam Review (054)	12-10-15 Final Exam Review (054)	12-11-15 Final Exam Review (054)
16	12-14-15 DEVM 054 written final exam				

CALENDAR FOR FINISHING MODULES D, E AND F:

Wk :	Monday	Tuesday	Wednesday	Thursday	Friday
1				9-3-15 1st day of classes	9-4-15 Mod D Preview - 1st day of M-Cubed class
2	9-7-15 NO CLASS	9-8-15 Mod D Preview	9-9-15 Mod D Pre-test	9-10-15 28 Prac 28 HMWK	9-11-15 29 Prac 29 HMWK
3	9-14-15 30 Prac 30 HMWK	9-15-15 31 Prac	9-16-15 31 HMWK	9-17-15 32 Prac	9-18-15 32 HMWK
4	9-21-15 33 Prac 33 HMWK	9-22-15 34 Prac	9-23-15 34 HMWK	9-24-15 35 Prac	9-25-15 35 HMWK
5	9-28-15 36 Prac	9-29-15 36 HMWK	9-30-15 Mod D Post-Review	10-1-15 Mod D Post-Review	10-2-15 Mod D Post-Review
6	10-5-15 Mod D Post-test	10-6-15	10-7-15 Mod E Preview	10-8-15 Mod E Preview	10-9-15 Mod E Pre-test

7	10-12-15 37 Prac 37 HMWK	10-13-15 38 Prac	10-14-15 38 HMWK	10-15-15 39 Prac	10-16-15 39 HMWK
8	10-19-15 40 Prac 40 HMWK	10-20-15 41 Prac	10-21-15 41 HMWK 42 Prac	10-22-15 42 HMWK	10-23-15 43 Prac 43 HMWK
9	10-26-15 44 Prac	10-27-15 44 HMWK	10-28-15 45 Prac 45 HMWK	10-29-15 Mod E Post-Review	10-30-15 Mod E Post-Review
10	11-2-15 Mod E Post-test	11-3-15	11-4-15 Mod F Preview	11-5-15 Mod F Preview	11-6-15 Mod F Pre-test Last day to add a Module
11	11-9-15 46 Prac 46 HMWK	11-10-15 47 Prac	11-11-15 47 HMWK 48 Prac	11-12-15 48 HMWK	11-13-15 49 Prac 49 HMWK
12	11-16-15 50 Prac 50 HMWK	11-17-15 51 Prac	11-18-15 51 HMWK	11-19-15 52 Prac	11-20-15 52 HMWK
13	11-23-15 53 Prac	11-24-15 53 HMWK	11-25-15 54 Prac	11-26-15 Happy Thanksgiving!	11-27-15 NO CLASS
14	11-30-15 54 HMWK	12-1-15 Mod F Post-Review	12-2-15 Mod F Post-Review	12-3-15 Mod F Post-Review	12-4-15 Mod F Post-Review
15	12-7-15 Mod F Post-test	12-8-15 Final Exam Review (055)	12-9-15 Final Exam Review (055)	12-10-15 Final Exam Review (055)	12-11-15 Final Exam Review (055)
16	12-14-15 DEVM 055 written final exam				

CALENDAR FOR COMPLETING MODULES G, H, AND J:

Wk :	Monday	Tuesday	Wednesday	Thursday	Friday
1				9-3-15 1st day of classes	9-4-15 Mod G Preview - 1st day of M-Cubed class
2	9-7-15 NO CLASS	9-8-15 Mod G Preview	9-9-15 Mod G Pre-test	9-10-15 55 Prac	9-11-15 55 HMWK 56 Prac
3	9-14-15 56 HMWK 57 Prac	9-15-15 57 HMWK	9-16-15 58 Prac 58 HMWK	9-17-15 59 Prac	9-18-15 59 HMWK
4	9-21-15 60 Prac 60 HMWK	9-22-15 61 Prac	9-23-15 61 HMWK	9-24-15 62 Prac	9-25-15 62 HMWK
5	9-28-15 63 Prac 63 HMWK	9-29-15 Mod G Post-Review	9-30-15 Mod G Post-Review	10-1-15 Mod G Post-Review	10-2-15 Mod G Post-test
6	10-5-15 Mod H Preview	10-6-15 Mod HPreview	10-7-15 Mod H Pre-test	10-8-15 64 Prac	10-9-15 64 HMWK
7	10-12-15 65 Prac 65 HMWK	10-13-15 66 Prac	10-14-15 66 HMWK	10-15-15 67 Prac	10-16-15 67 HMWK

8	10-19-15 68 Prac 68 HMWK	10-20-15 69 Prac	10-21-15 69 HMWK	10-22-15 70 Prac	10-23-15 70 HMWK
9	10-26-15 71 Prac 71 HMWK	10-27-15 72 Prac	10-28-15 72 HMWK Mod H Post-Rev.	10-29-15 Mod H Post-Review	10-30-15 Mod H Post-test
10	11-2-15 Mod J Preview	11-3-15 Mod J Preview	11-4-15 Mod J Pre-test	11-5-15 73 Prac	11-6-15 73 HMWK Last day to add a Module
11	11-9-15 74 Prac 74 HMWK	11-10-15 75 Prac	11-11-15 75 HMWK	11-12-15 76 Prac	11-13-15 76 HMWK
12	11-16-15 77 Prac 77 HMWK	11-17-15 78 Prac	11-18-15 78 HMWK 79 Prac	11-19-15 79 HMWK	11-20-15 80 Prac
13	11-23-15 80 HMWK	11-24-15 81 Prac	11-25-15 81 HMWK	11-26-15 Happy Thanksgiving!	11-27-15 NO CLASS
14	11-30-15 Mod J Post-Review	12-1-15 Mod J Post-Review	12-2-15 Mod J Post-Review	12-3-15 Mod J Post-Review	12-4-15 Mod J Post-Review
15	12-7-15 Mod J Post-Test	12-8-15 Final Exam Review (105)	12-9-15 Final Exam Review (105)	12-10-15 Final Exam Review (105)	12-11-15 Final Exam Review (105)
16	12-14-15 DEVM 105 written Final Exam				

9. Course policies: In addition to attending class (3 hours per week at 2 points per class = 6 pts), you are required to spend 2 hours every week in our Math Lab in Gruening 406 or CTC 120 (1 pt per lab hour = 2 pts, for a total weekly score of 8 pts). You will need to keep track of your lab hours on your Lab Sheet and have the lab tutor sign for each session. **Your completed Lab Sheet is due each Monday, starting 9-15-14.** Since each person is working at their own pace on varying assignments, there is a very real danger of lagging behind. Attendance in class and acquiring the necessary lab time every week will be crucial. Once you fall behind it is very difficult to get caught up – particularly in math classes!

You will need lots of paper and a 3-ring binder notebook that allows for good organization. You will also need daily computer access with reliable internet connection to work on your ALEKS assignments outside of class. Since you will need to watch videos during class and lab times, you will need a set of headphones that plug into the computer.

Your responsibilities include:

- **attending every class on time**
- **attending Math Lab for at least 2 required hours per week**
- **being prepared with pencil, eraser, and notebook for every class**
- **taking complete notes during class, while watching videos and while working on ALEKS**
- **organizing your notebook**
- **achieving required levels of mastery on your ALEKS assignments**
- **seeking extra help whenever you have questions**
- **helping your fellow classmates during class time and in the Math Lab**
- **improving and refining your study skills**

Classroom Rules: Attendance is mandatory. You are expected to be on time for each class, prepared to take notes, and ready to work. If you have to be late, please take a seat ***quietly*** without disrupting class. If you are more than 15 minutes late, you will be counted absent. Please note that sleeping is the same as being absent. You will be asked to leave class if your cell phone rings or you are texting during class. Cheating is not tolerated and will result in a failing grade. All of your work on ALEKS must be done by you. Be honest in all your work and show the highest integrity in how you conduct yourself during your academic career. Please let me know if anything distracts you during class so I can deal with it promptly. Our classroom is a safe place where we are each accepted and respected, and we will all work together to ensure that each of us has a successful semester.

Attendance/Participation Policy: This class requires your attendance for 5 hours each week. ***This is a MINIMUM.*** It is easy to fall behind when working at your own pace. The only way to master the material is to spend the necessary amount of time in learning it. We will meet 3 hours per week during our scheduled class time (2 points per class = 6 pts), and you will spend an additional 2 hours per week in our Math Labs in Gruening 406 or CTC 120 (1 pt. per lab hour = 2 pts, for a total weekly score of 8 pts). You may schedule these 2 additional hours at any time that fits your schedule – just see the lab schedule for days and times. Keep track of your hours on your Lab Sheet, making sure to get the lab tutor's signature before you leave the lab each time. You are also encouraged to work at home on your ALEKS assignments as much as possible. You are not required to keep a log of the time you spend working outside of the lab.

If you have to miss a class, send me an email explaining why and make up an extra 2 hours in the Math Lab. If you are really sick or traveling, send me an email informing me of the expected days of class you will miss. Upon returning you will simply pick up from where you left off, but you must inform me of your expected absences.

You will need to come to class in time to get logged in on a computer before class starts. If you are more than 15 minutes late you will be marked absent and will need to work an extra 2 hours in the Math Lab.

Students not acquiring enough lab hours each week will be withdrawn from the class. **Please keep in mind that attendance and participation are very important and will be <u>30% of your overall grade</u> for Modules A, B, D, E, G and H. Attendance and participation will be 15% of your overall grade for Modules C, F and J, and a written final exam will be 15% of your overall grade for these three modules.**

Your **notebook** will be graded three times this semester (possible 10 pts for each check). These are the six parts you will be graded on:

1. Syllabus – this should be in your notebook at all times (+1 pt).
2. MINI MOD Checklist – keep track of the dates you attain mastery of each assignment (+1pt).
3. Notes – from mini-lectures during class, from your ALEKS eBook readings, from watching math videos, from working with me or the lab tutors (+2 pts).
4. Work – write down each problem from the Practices, HMWKs, Previews and Post-Reviews and show all your work (+3 pts). NOTE: you may combine your notes and work together for 5 pts.
5. Vocabulary Sheet – this must be completed as soon as possible (+4 pts).

Assignments on ALEKS:

ALEKS is a web-based, artificially intelligent assessment and learning system that provides the advantages of one-on-one instruction, 24/7, from virtually any web-based computer for a fraction of the cost of a human tutor.

<u>How ALEKS will be graded in this class</u>: MINI MODs, Reviews and Post-tests **(all work must be your own – be honest.)**

- You will need to buy an ALEKS 360 **access code**. You can purchase ALEKS at the UAF Bookstore or directly from the website:

To buy ALEKS 360 online:

1. Go to www.aleks.com and click on "**sign up now**"
2. Enter the course code (see above) and click "**continue**"
3. Confirm that it is the correct class and click "**continue**"
4. Click "**purchase an access code online**" and select "**Higher Ed 1-semester (18 weeks)**"
5. Follow the on-screen instructions

- Go to www.aleks.com and click on "**sign up now**", choose the option for using ALEKS 360 with a class, and enter the **course code** **TCGNQ – VPJTF** You will then be asked to input your student code which came with your ALEKS 360 access code or was purchased on the website. This will put you into the correct course. **Here is a financial aid code you can use to access ALEKS for two weeks:**

F32B5 – B9005 – F148B – 5B2FE

- After you establish your account on ALEKS, you will be asked to take an interactive tutorial that explains how to enter answers on ALEKS. Once you've taken the tutorial you will take an initial assessment which includes about 25 to 30 questions. YOU CAN SKIP THIS INITIAL ASSESSMENT BY QUICKLY TYPING IN ANY NUMBER FOR EACH QUESTION.

- We will be using ALEKS for Practice, Homework, Reviews, and Previews and Post-tests. All of our ALEKS work will be listed under the "**Assignments**" tab. **Write each problem down on paper along with the problem number** and then work it out carefully. You can recheck your answers before you submit your answers. Organize all your work in your notebook.

- Once you have checked your answers you can "submit" your work. It will be graded instantly and you can go back and look at any problems you may have missed to see the correct answer and an explanation. **You can redo the Practice, Homework, and Reviews as many times as is necessary to achieve the required level of mastery.** You will only need to rework the problems you missed. ALEKS will automatically record your **best** score. **Preview and Post-test problems can only be worked one time.**

- If ALEKS ever seems to freeze up, it usually means that you must take an assessment. This is connected to the ALEKS Pie which we are not using for this class.

- **How to find answers in the "back" of the eBook for odd-numbered problems**:

  1. Click on "**eBook**"
  2. Click on "**Book Contents**" (top middle of the new window that pops up)
  3. Click on "**End Matter**" (bottom on the right)
  4. Click on "**End Matter Sections**" (on the right, down a little bit)
  5. "**Answers to Exercises**" with a list of the chapters will be all in blue text, so click on the chapter you want, and then scroll to find the section you want.

Note: If you are texting during class or listening to music with headphones, you are not participating in class or contributing to the learning environment. I will ask you to leave if your cell phone rings or you are texting during class. Your full participation is required.

10. Evaluation: Your grade will be based on your MINI MOD and Review scores (averaged together), your attendance/participation (which includes your notebook), and your Module Post-test. Attendance will count 2 points per class hour and one point per lab hour with a total of 8 points possible per week. Your notebook is worth 10 points per check (I will check it 3 times during the semester) for a possible total of 30 points.

Grading Policy:

% of Grade:	Grading Scale (no curve):
40% MINI MODs and Reviews	90 – 100% A
30% Attendance/Participation (A, B, D, E, G, H)	80 – 89% B
(15% for MODs C, F and J)	79% and lower, Incomplete
30% Module Post-test	
15% Written Final Exam (MODs C, F and J only)	

- ***NOTE: Students who are not attending or making significant progress (70%) will be withdrawn from the class.***

11. Support Services: Free tutoring is available in our **Math Labs in Gruening 406 and CTC 120**. Please see lab schedule for days and times. There are computers in each lab that you can use to work on ALEKS assignments.

12. Disabilities Services: The Office of Disability Services located in the Center for Health and Counseling (474-5655, 208 WHIT) implements the Americans with Disabilities Act (ADA), and insures that UAF students have equal and reasonable access to the campus and course materials. Please let me know as soon as possible if you have a letter of accommodation. I will work with the Office of Disabilities Services to provide reasonable accommodation to students with disabilities.