HCC’s New Mathways Program – Frequently Asked Questions (FAQs)

Similarity to Current Courses

Q1. How does the new MATH 0106 course differ from our current MATH 0306?

A. The new MATH 0106 course is a redesigned MATH 0306 course. MATH 0106 is a one lecture hour course. It will meet for a total of sixteen contact hours. Ideally, this course would be offered either as a four–week course or as an eight–week course, with most sections starting at the beginning of the semester. Any student who successfully completes MATH 0106 would be expected to register and complete MATH 0409 during the same semester.

MATH 0106 gives the student a review of fractions, decimals, and an introduction to percentages. MATH 0106 does not contain signed numbers or mixed numbers. The algebra is limited to the algebra necessary to solve proportions and percent equations.

This course will have a pretest and a final exam. The final exam must be passed with a score of 60% or better in order to pass the course.

Q2. How does the new MATH 0409 course differ from our current MATH 0308?

A. The new MATH 0409 course is a redesigned MATH 0308 course. MATH 0409 is a four lecture hour, zero lab hour course. It will meet for a total of sixty–four contact hours. This course could be offered in a variety of formats during a traditional sixteen–week semester; sixteen–week, twelve–week, or eight–week formats are all possible. This course could be offered as lecture only, computer–assisted, or a distance education course. Students who successfully complete MATH 0409 would be expected to register and complete either MATH 0312, or MATH 1332 in the following semester.

MATH 0409 includes the same topics taught in the same way as MATH 0308 with the following changes:

• Geometry is limited to areas and perimeters of quadrilaterals, triangles, and circles
• Factoring is limited to GCF, grouping, differences of squares, and trinomials of the form \(x^2 + bx + c\)
• Material on graphing has been expanded to include finding the rate of change, writing the equation of a line, graphing linear inequalities, and a brief lesson on modeling situations with linear, quadratic, or exponential equations.
• A module will be included to illustrate the various pathways through mathematics.

This course will have a pretest and a final exam. The final exam must be passed with a score of 60% or better in order to pass the course.
General Questions

Q3. Will MATH 0306 and MATH 0308 be offered after Fall 2014?
   
   A. No. Starting in Spring 2015, HCC will no longer offer MATH 0306 or MATH 0308. MATH 0306 will be replaced by the one-hour course, MATH 0106, and MATH 0308 will be replaced by the four-hour course, MATH 0409.

Q4. Does MATH 0409 have a required computer lab hour?
   
   A. No. MATH 0409 is a four-hour lecture course with supplemental group activities. Instructors can choose to spend part of each week in a computer lab, if desired.

Q5. Are MATH 0106 and MATH 0409 expected to be web-enhanced?
   
   A. Yes. Both MATH 0106 and MATH 0409 are expected to be tagged within Peoplesoft as web-enhanced courses. This will give both instructors and students access to an Eagle Online 2.0 shell with a gradebook and course worksheets, quizzes and other activities.

Q6. Can either MATH 0106 or MATH 0409 be offered as a hybrid course?
   
   A. Yes. Whether or not a course is offered as a hybrid course is up to each college’s math department chair.

Q7. Do I need Eagle Online 2.0 certification to teach a web-enhanced or hybrid MATH 0106 or MATH 0409?
   
   A. No. Faculty who will teach either MATH 0106 or MATH 0409 must complete a short Instructor Training course. The instructor training is provided in person or online within the Virtual Faculty Lounge (www.hccs.edu/vfl). This faculty training course will provide an introduction to the components of Eagle Online 2.0 that are needed for teaching web-enhanced or hybrid courses. If you wish to become certified in Eagle Online 2.0, you can access the training by selecting this link Eagle Online 2.0 Training or by typing in the following url address. http://ctle5.hccs.edu/eo2/index.htm

Q8. Can MATH 0106 or MATH 0409 be offered as a distance education course?
   
   A. Teaching either MATH 0106 or MATH 0409 as a distance education course is discouraged. However, it is not prohibited.

Q9. Do I need Eagle Online 2.0 certification to teach a distance education section of MATH 0106 or MATH 0409?
   
   A. Yes. Although teaching developmental classes in the distance education format is discouraged, instructors who are scheduled to teach a distance ed section must complete the Eagle Online 2.0 Training course. If you wish to become certified in Eagle Online 2.0, you can access the
training by selecting this link [Eagle Online 2.0 Training](http://ctle5.hccs.edu/eo2/index.htm) or by typing in the following URL address.

Q10. What textbook will be used for MATH 0106? Will we use MyMathLab?

A. No textbook will be used for MATH 0106, and software, such as MyMathLab, has not been adopted for this course. Instead, instructors and students will have access to worksheets and other assignments and activities within the course’s Eagle Online 2.0 shell. Note: Instructors are free to use other software if they wish, as long as it is free for students. Note: Both Pearson and McGraw-Hill have agreed to provide free codes for MATH 0106 students. Pearson will provide free codes for MyMathTest and McGraw-Hill will provide free codes for ALEKS.

Q11. What textbook will be used for MATH 0409? Will we use MyMathLab?

A. During the Spring and Summer 2015 semesters, we will use the same book for MATH 0409 that we currently use for MATH 0308. We will also continue using MyMathLab for homework assignments. The textbook is expected to change starting in Fall 2015.

Q12. Is there an Administrator MyMathLab course available for faculty to copy and use for MATH 0409?

A. There will be an Administrator MyMathLab course available for all faculty to adopt. The completion date for this course is expected to be Oct. 31, 2014. Faculty may also create their own MyMathLab courses and use them instead of using the Administrator MyMathLab course.

Q13. Are students required to purchase the MATH 0409 textbook packaged with MyMathLab at the bookstore?

A. No. The student must, however, either purchase a bound copy of the textbook or access to MyMathLab (MML). The entire textbook is available in electronic format within the MML course. Therefore, if the student is comfortable studying without the aid of a bound textbook, he or she can purchase a stand-alone MML Student Access code at the bookstore or online.

Q14. Are calculators permitted in these classes?

A. Students in MATH 0409 can use calculators for group work and for homework problems. However, no calculators may be used on exams. Students in MATH 0106 should never use a calculator.

Q15. Is developmental math going away?

A. No. Developmental courses play an integral role within the community college to help underprepared students learn the skills that are needed to succeed in college level mathematics. Instead, Basic mathematics concepts will be taught at the Adult Basic Education level. Developmental mathematics will be limited to Introductory Algebra, Intermediate Algebra, and additional courses in the form of NCBO’s (Non Course Based Options), such as MATH 0106, PREM 0100, and our Math Bridge Courses.
Q16. Is a student who successfully completes MATH 0409 considered developmentally complete in mathematics?

A. Possibly. If the student is enrolled in a program that either does not require additional mathematics or does not require mathematics other than MATH 1332, then the student is considered developmentally complete in developmental mathematics. Otherwise, the student must complete MATH 0312 in order to be considered developmentally complete in mathematics. Read this document for additional information.

http://www.thecb.state.tx.us/download.cfm?downloadfile=1B5FFD85-F03A-4321-3029032A8F8F9890

Q17. What happens if a student who was previously required to complete MATH 1332 changes their major to one that requires a different college-level math class?

A. Most students who switch majors will switch to a similar type of major. However, there will be some students who decide to switch to a different major which has additional math requirements. This student may need to go back and complete MATH 0312 before continuing onto college-level math.

Q18. Why can’t we teach MATH 0306 anymore?

A. The state will no longer fund courses below developmental mathematics and both Basic Mathematics and Prealgebra are considered below developmental mathematics. This is why we are offering MATH 0106 instead. MATH 0106 is considered an NCBO (Non-course based option), which can be funded by the state.

Placement/Advising

Q19. How does a student get placed into MATH 0106 or MATH 0409?

A. Placement into MATH 0106 is by completion of the Texas Success Initiative Assessment (TSIA). For a list of current placement scores, refer to the online placement chart:

http://imc02.hccs.edu/gcac/scores.htm

Students who successfully complete MATH 0306 or MATH 0106 can place directly into MATH 0409.

Q20. What courses should current Fall 2014 students take?

A. Any student who successfully completes MATH 0306 with a grade of A, B, or C, during the Fall 2014 semester should sign up for MATH 0409.

Any student who does not successfully complete MATH 0306 during the Fall 2014 semester should sign up for MATH 0106.
Any student who successfully completes MATH 0308 with a grade of A, B, or C, during the Fall 2014 semester should sign up for MATH 0312.

Any student who earns a grade of D in MATH 0308 during the Fall 2014 semester should sign up for the MATH 0108 Bridge Course. If a MATH 0108 Bridge Course is not available, the student could sign up for MATH 0409.

Any student who earns a grade of F or W in MATH 0308 during the Fall 2014 semester should sign up for MATH 0409 for the Spring 2014 semester.

Q21. Can a student who successfully completes MATH 0308 during the Fall 2014 semester enroll in MATH 1332 for the Spring 2015 semester?

A. No. The current pre-requisite for MATH 1332 is completion of either MATH 0409 or MATH 0312 or appropriate placement scores. Students are always encouraged to retest on the TSIA placement test.

Q22. What is the purpose of the co-requisite Student Success Course?

A. The strength of HCC’s New Mathways Program is that it allows students to take individual pathways through mathematics. These pathways are tied to each student’s career interest. While there is a career-interest module within MATH 0409, much of this work is completed by students while enrolled in their Student Success Course. Students are expected to have a degree plan in hand by the completion of their Student Success course.

Q23. Where can I get more information about HCC’s New Mathways Program and the different pathways through mathematics?

A. Refer to the Mathways website at www.hccs.edu/mathways

Q24. What options does a student have if they earn a grade of D in MATH 0306 during Fall 2014?

A. A passing grade for developmental mathematics is A, B, or C. If a student earns a D grade in MATH0306 during the Fall 2014 semester, the student should enroll in MATH 0106 for Spring 2015. Ideally, the student would enroll in Math 0106 for the first four weeks, MATH 0409 for the second start class, and enroll in a student success course. If a student has already completed the student success course or is not required to complete the student success course, this enrollment is not necessary.

Q25. What options does a student have if they earn a grade of D in MATH 0308 during Fall 2014?

A. A passing grade for developmental mathematics is A, B, or C. If a student earns a D grade in MATH 0308 during the Fall 2014 semester, the student has several options available.

Option 1: Enroll in MATH 0108 for the first four weeks, and MATH 0312 for the second start class.
Option 2: Enroll in MATH 0409 and then MATH 0312.

Option 3: Enroll in MATH 0409 then MATH 1332.

Q26. What options does a student have if they earn a grade of D in MATH 0312 during Fall 2014?

A. A passing grade for developmental mathematics is A, B, or C. If a student earns a D grade in MATH 0312 during the Fall 2014 semester, the student has the following options available.

Option 1: Enroll in MATH 0112 for the first four weeks, and MATH 1332, MATH 1314, MATH 1324, or MATH 1342 for the second start class.

Option 2: Enroll in MATH 0409 and then MATH 1332.

Q27. Should students be encouraged to register for developmental math during their first semester?

A. Priority for registration should go first to INRW (Integrated Reading and Writing) and Student Success Courses, then developmental math and then to college-level courses. If the student is full-time and has placed into developmental reading or writing and mathematics, the student should be enrolled for INRW, a student success course, MATH, and possibly other courses.

Questions About the Chart

Q28. Use the chart to determine which classes a student who places into MATH 0106 will take?

A. Any student who places into MATH 0106 should enroll in MATH 0106 for the first four weeks of the semester, enroll in MATH 0409 as a Second-Start class, and should enroll in a Student Success course. Students who have already completed their student success course or students who do not need to take a student success course are not required to sign up for a student
success course. If the student does not pass MATH 0106, they should drop MATH 0409 and re-register for a 2\textsuperscript{nd} 4 week MATH 0106 course. There may be a 2\textsuperscript{nd} 8 week MATH 0409 course available for these students.

Q29. Use the chart to determine which classes a student who places into MATH 0409 will take?

A. Any student who places into MATH 0409 should enroll in MATH 0409 either for the first 8 weeks of the semester (if they intend on registering for either MATH 0312 or MATH 1332 for the second 8 weeks) or for the regular start 16 week session.

Q30. Does the student have to take a student success course as a co-requisite?

A. A student can take any of the listed co-requisite student success courses: EDUC 1300, HRPS 1201, ENGR 1201, or LEAD 1370. The co-requisite requirement is waived if a student has already successfully completed a student success course or is not required to complete a student success course.

Q31. What class comes after MATH 0409?

A. Once a student completes MATH 0409, they can take either MATH 1332 or MATH 0312. MATH 1332 is a college-level course. MATH 0312 is a developmental course. Students should refer to their degree plans and to university transfer plans in order to determine which class to take.

Q32. What does the broken line from MATH 0312 to MATH 1332 mean?

A. The broken line indicates that a student can take MATH 1332 after completing MATH 0312. However, it is not the preferred route. If a student intends to take MATH 1332, the student should take MATH 1332 immediately after completing MATH 0409.