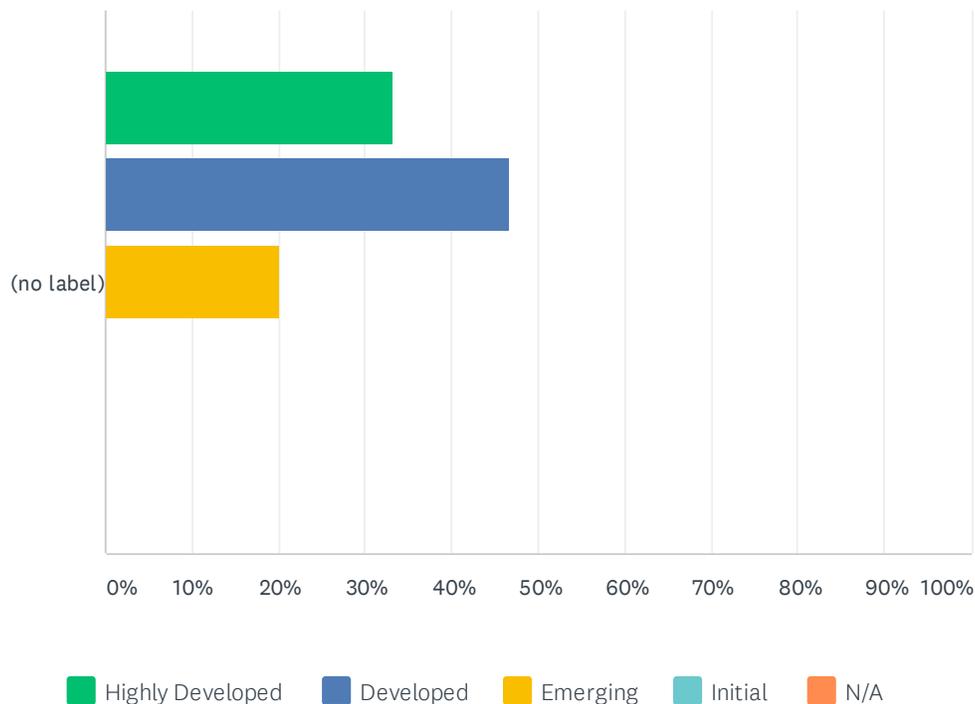


**Q1 ACCOMPLISHMENTS IN ACHIEVING GOALS**  
 Highly Developed: Exhibits ongoing and systematic evidence of goal achievement.  
 Developed: Exhibits evidence of goal achievement.  
 Emerging: Exhibits some evidence that some goals have been achieved.  
 Initial: Minimal evidence that progress has been made toward achieving goals..

Answered: 15 Skipped: 0

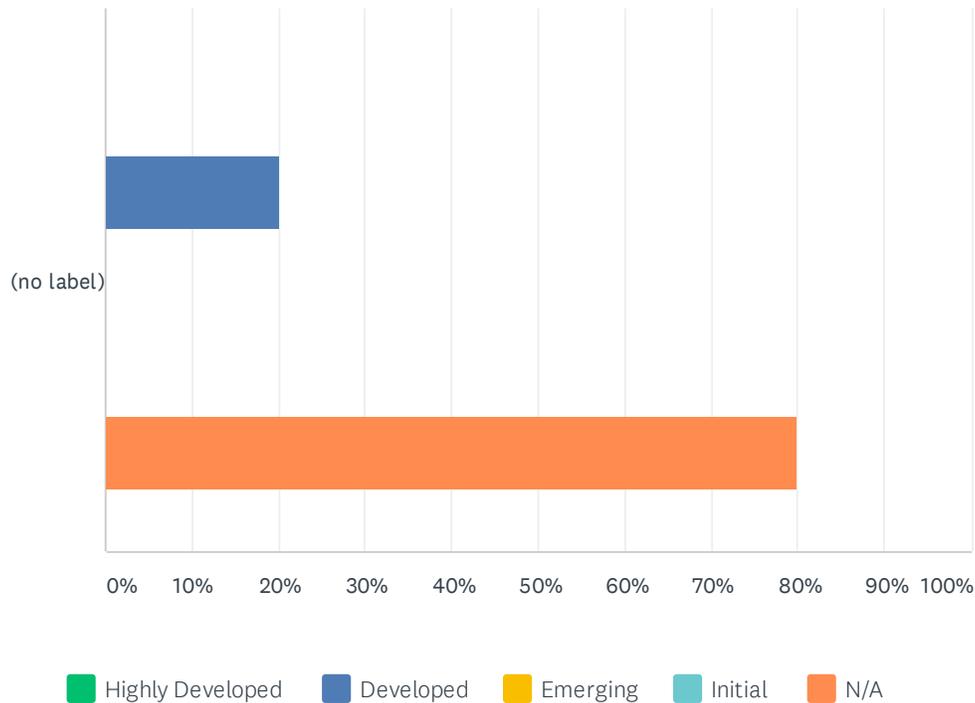


	HIGHLY DEVELOPED	DEVELOPED	EMERGING	INITIAL	N/A	TOTAL	WEIGHTED AVERAGE
(no label)	33.33%	46.67%	20.00%	0.00%	0.00%	15	3.13
	5	7	3	0	0		

#	COMMENTS/FEEDBACK:	DATE
1	Most goals achieved, the one that was not was not for lack of trying.	2/18/2021 11:47 AM
2	Nice work on creating videos, finding software, and looking at low-cost options for students. Goal 1 - Did lecture guides help? Goal 4 - Did adding content decrease students repeating MTH 251?	2/17/2021 3:54 PM
3	Creative solutions to problems. Dedicated to finding the way. Excellent work.	2/17/2021 2:13 PM
4	The department is still working on Goal 2.	2/17/2021 9:11 AM
5	The math department has established many goals to promote student success and achievement. The department is making good progress toward completing their goals.	2/16/2021 1:54 PM
6	Some of the goals presented are concerning, they are one-off yes/no type with extremely narrow focus. For instance, is reducing the repeat rate really dependent entirely on just one textbook? If not, then the entire goal fails.	2/12/2021 6:30 PM
7	New courses developed, new teaching methods developed.	2/5/2021 1:57 PM

**Q2 LABOR MARKET PROJECTION** Highly Developed: Thoroughly explains projected market demand and potential effects on program; presents highly developed plan to address projection. Developed: Explains projected market demand and discusses several possible actions to address projection. Emerging: Minimally explains projected market demand and lists one or two actions to address projection. Initial: Presents labor market demand without analysis/explanation and fails to list possible actions to address projection.

Answered: 15 Skipped: 0

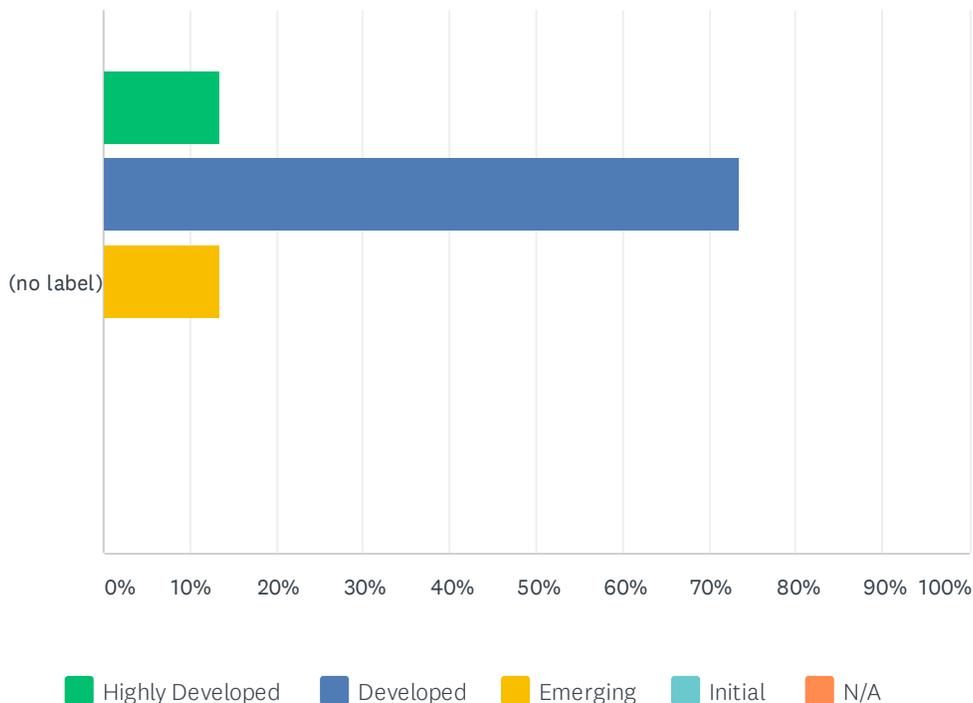


	HIGHLY DEVELOPED	DEVELOPED	EMERGING	INITIAL	N/A	TOTAL	WEIGHTED AVERAGE
(no label)	0.00%	20.00%	0.00%	0.00%	80.00%	15	3.00
	0	3	0	0	12		

#	COMMENTS/FEEDBACK:	DATE
1	Has the demand for courses changed in the past five years? Has transferability changed in the past five years?	2/17/2021 3:54 PM
2	Not applicable to program review for general education disciplines	2/17/2021 2:13 PM
3	Even if this is "not a program" it is important to continue to develop courses that are specific to programs. The examples in Auto and Advanced manufacturing that provide support to programs is a good trend.	2/17/2021 10:43 AM
4	Math competencies are included in ILO work.	2/16/2021 1:54 PM

**Q3 RESOURCES: PROFESSIONAL DEVELOPMENT**  
 Highly Developed: Exhibits ongoing and systematic support of professional development opportunities.  
 Developed: Exhibits support of regular professional development opportunities.  
 Emerging: Evidence of intermittent professional development opportunities.  
 Initial: Minimal evidence of professional development opportunities.

Answered: 15 Skipped: 0

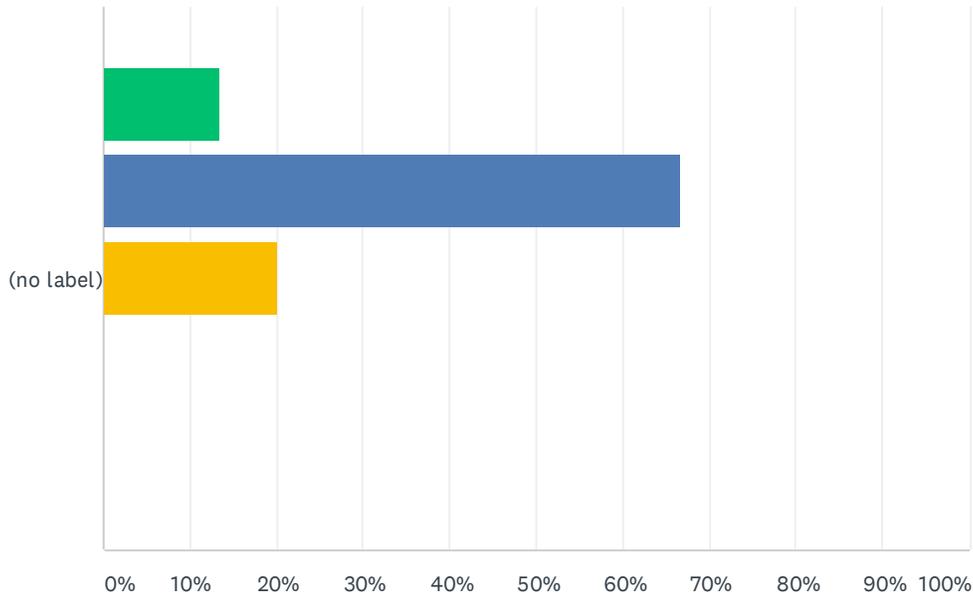


	HIGHLY DEVELOPED	DEVELOPED	EMERGING	INITIAL	N/A	TOTAL	WEIGHTED AVERAGE
(no label)	13.33%	73.33%	13.33%	0.00%	0.00%	15	3.00
	2	11	2	0	0		

#	COMMENTS/FEEDBACK:	DATE
1	Nice to see there is a focus on professional development in the department.	2/17/2021 3:54 PM
2	This appears to be a self starting group and they are all seeking ongoing development. I'm not sure there is a specific goal(s) in this area that are being attained.	2/17/2021 2:13 PM
3	I find it impressive that the not only have what development opportunities have been taken but they also have it broken down by who took each	2/17/2021 2:13 PM
4	It looks like there is ongoing development. Does the department have minimum expectations or a guide to the most effective development opportunities?	2/17/2021 10:43 AM
5	There are a lot of professional opportunities for all faculty that are not being used. None of the instructors attended any type of professional development in 2020 with the exception of 1 instructor.	2/17/2021 9:11 AM
6	Math faculty frequently attend ORMATYC and AMATYC.	2/16/2021 1:54 PM

**Q4 RESOURCES: FACULTY MEETING INSTRUCTIONAL NEEDS**  
 Highly Developed: Employs a sufficient number of highly qualified faculty to meet instructional needs.  
 Developed: Employs an adequate number of qualified faculty to meet instructional needs.  
 Emerging: Has a plan to employ an adequate number of qualified faculty to meet instructional needs.  
 Initial: Faculty numbers and/or qualifications are insufficient to meet instructional needs.

Answered: 15 Skipped: 0



■ Highly Developed 
 ■ Developed 
 ■ Emerging 
 ■ Initial 
 ■ N/A

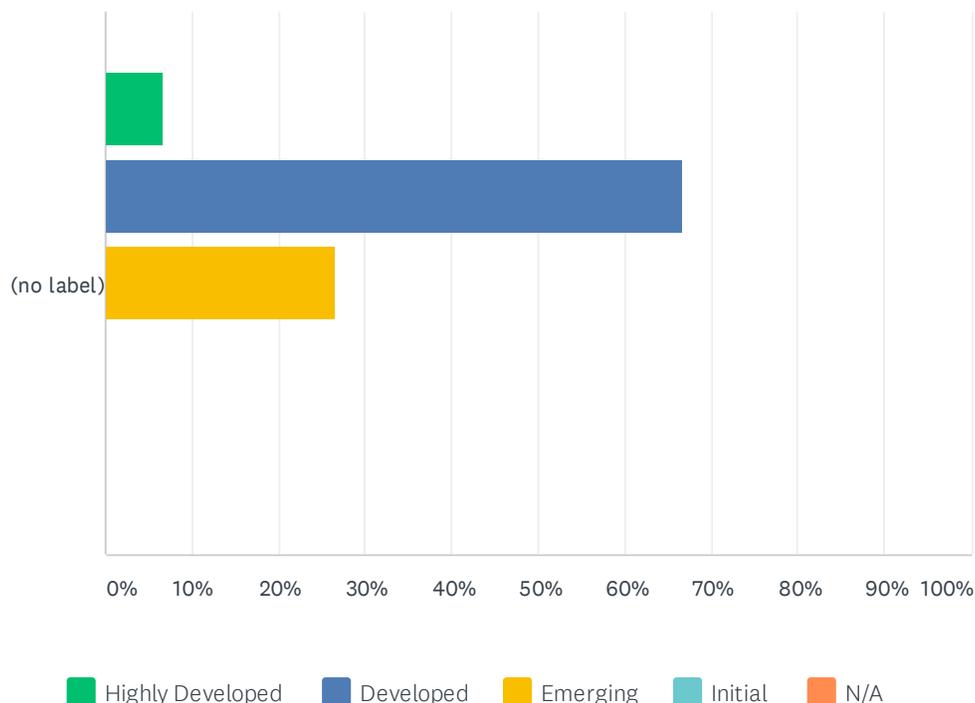
	HIGHLY DEVELOPED	DEVELOPED	EMERGING	INITIAL	N/A	TOTAL	WEIGHTED AVERAGE
(no label)	13.33%	66.67%	20.00%	0.00%	0.00%	15	2.93
	2	10	3	0	0		

## Instructional Program Review - Mathematics

#	COMMENTS/FEEDBACK:	DATE
1	could improve online access	2/18/2021 1:04 PM
2	Faculty teaching assignments may need better management to assure limited overload and multiple preps.	2/18/2021 11:47 AM
3	The review itself raises a question with the "Somewhat" response.	2/17/2021 2:13 PM
4	They are asking for the number of preparations to be limited to 3. If we need more than 3 is it possible to have some of our part timers teach them.	2/17/2021 2:13 PM
5	The new math lab is a real winner, great for instruction and student engagement.	2/17/2021 11:29 AM
6	Not clear to me that the issue is the number of courses taught per term or the numbers of students in the courses.	2/17/2021 10:43 AM
7	Appropriate full time to part time ratios for instruction. The math department will be seeking to hire qualified part time faculty for college level math to reduce overload and number of preps for the full time faculty.	2/16/2021 1:54 PM
8	Faculty consistently in overload points to a department that should consider adjusting its planning practices	2/12/2021 6:30 PM
9	Comment is that the faculty are stretched thin. Additional qualified staff are needed.	2/5/2021 1:57 PM

**Q5 RESOURCES: FACILITIES AND EQUIPMENT** Highly Developed: Facilities and resources meet current and future needs. Developed: Facilities and resources meet current needs. Emerging: Evidence of a plan to have facilities and resources meet current and future needs. Initial: Minimal evidence that facilities and resources meet current and future needs.

Answered: 15 Skipped: 0



Instructional Program Review - Mathematics

	HIGHLY DEVELOPED	DEVELOPED	EMERGING	INITIAL	N/A	TOTAL	WEIGHTED AVERAGE
(no label)	6.67%	66.67%	26.67%	0.00%	0.00%		
	1	10	4	0	0	15	2.80

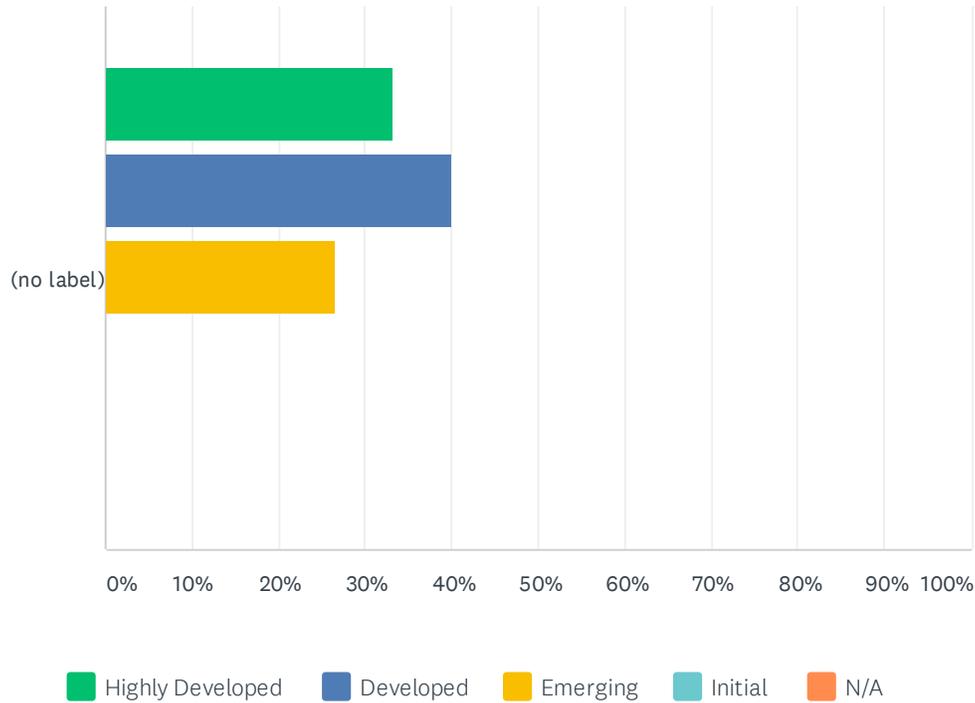
#	COMMENTS/FEEDBACK:	DATE
1	Need that math lab. Perhaps this can be prioritized.	2/18/2021 11:47 AM
2	Room for improvement includes the completion of a mathematics lab to help meet future needs.	2/17/2021 2:13 PM
3	It seems like the math department is doing very well here and will be in their best position once things calm down from covid	2/17/2021 2:13 PM
4	The math department is working on developing a math lab which should improve this mark.	2/17/2021 9:11 AM
5	Math faculty need longer hours of operation for the testing center and better remote accommodations for on-line assessment of student learning.	2/16/2021 1:54 PM
6	Equipment and tools as describes meet the needs of the current situation and teaching styles. The question is, are these sustainable?	2/12/2021 6:30 PM
7	Plans are made for a Math Lab, but have been delayed. This department makes good use of the testing center, which is important for students with math test anxiety.	2/5/2021 1:57 PM

**Q6 EFFECTIVENESS: STUDENT LEARNING OUTCOMES**

**ASSESSMENT** Highly Developed: Exhibits ongoing and systematic SLO assessment to adjust instruction. Developed: Exhibits student learning outcomes assessment and uses results to change instruction. Emerging: Has a plan to engage in ongoing and systematic SLO assessment, including using results to change instruction. Initial: Minimal evidence of SLO assessment.

Answered: 15 Skipped: 0

## Instructional Program Review - Mathematics



	HIGHLY DEVELOPED	DEVELOPED	EMERGING	INITIAL	N/A	TOTAL	WEIGHTED AVERAGE
(no label)	33.33%	40.00%	26.67%	0.00%	0.00%	15	3.07
	5	6	4	0	0		

#	COMMENTS/FEEDBACK	DATE
1	Impressive work. Faculty really embrace assessment and modification based on results.	2/18/2021 11:47 AM
2	Considering all the courses you teach, there should be more assessment data (6 courses assessed in 2 years). Good to see that CCOGs are regularly reviewed.	2/17/2021 3:54 PM
3	Success rate in Mth111 and Mth095 have some of the lowest success rates but most highly attended.	2/17/2021 10:43 AM
4	Re-written CLO's were completed this year	2/17/2021 9:11 AM
5	Course learning outcomes are clearly identified and specified for each level of mathematics. Math faculty regularly assess student learning outcomes. There is standardization of instruction and assessment across math sections.	2/16/2021 1:54 PM
6	Recent updates of all courses. Changes were made to instruction as a result of CLO assessments.	2/5/2021 1:57 PM

**Q7 EFFECTIVENESS: STUDENT SUCCESS**

**Highly Developed:** Thoroughly analyzes trends in enrollment, degrees awarded, time-to-completion rates, and formulates comprehensive plans to address them.

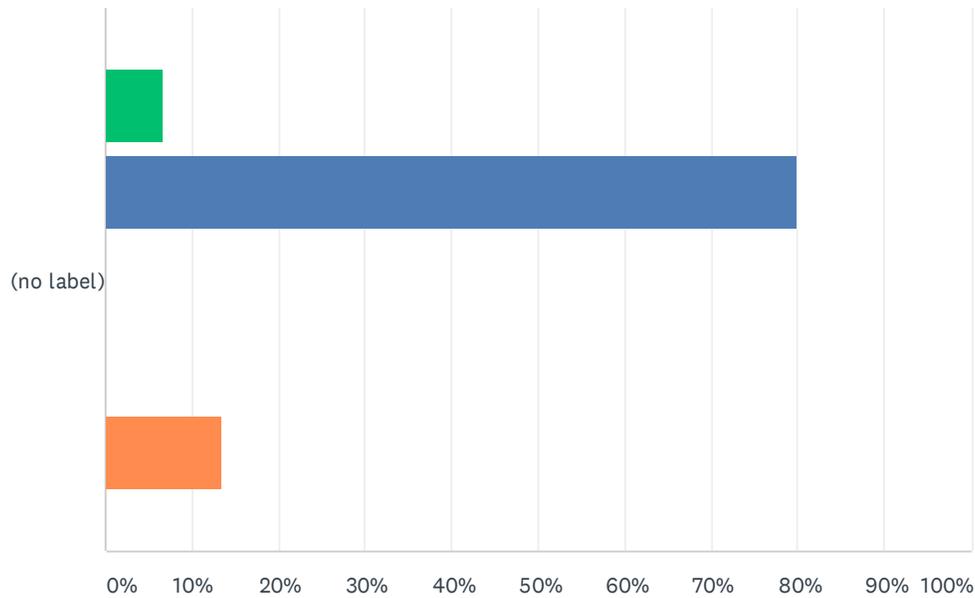
**Developed:** Describes trends in enrollment, degrees awarded, time-to-completion rates, and formulates plans to address them.

**Emerging:** Describes trends in enrollment, degrees awarded, time-to-completion rates, and makes an attempt to plan to address them.

**Initial:** Minimal description of trends and/or fails to formulate plan to address them.

## Instructional Program Review - Mathematics

Answered: 15 Skipped: 0



■ Highly Developed   
 ■ Developed   
 ■ N/A

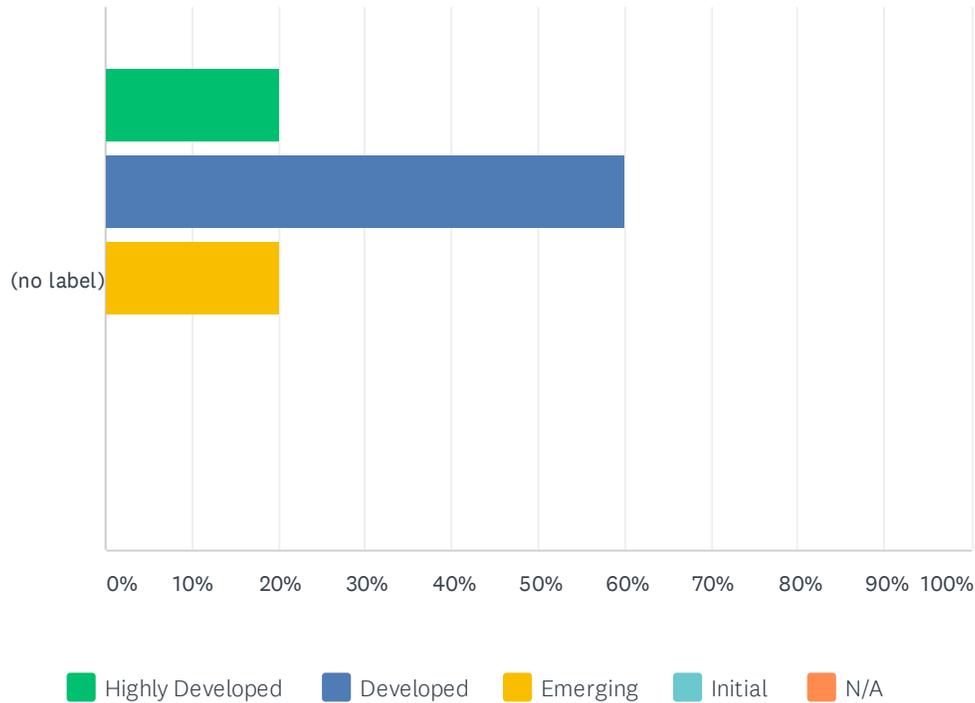
	HIGHLY DEVELOPED	DEVELOPED	EMERGING	INITIAL	N/A	TOTAL	WEIGHTED AVERAGE
(no label)	6.67%	80.00%	0.00%	0.00%	13.33%	15	3.08
	1	12	0	0	2		

#	COMMENTS/FEEDBACK:	DATE
1	Pretty impressive! Demonstrates a lot of hard work on the part of faculty.	2/18/2021 11:47 AM
2	Nice to see your pass rate is increasing and to see that all of the GenEd math courses transfer to Oregon schools.	2/17/2021 3:54 PM
3	I am curious if the dual credit math courses should count towards their enrollment since they are math courses that are worth credit towards kcc.	2/17/2021 2:13 PM
4	The Math Department is consistently thoughtful and effective in structuring its curriculum to meet the needs of our students at all levels, especially in developing CTE based math courses and the Math in Society track.	2/17/2021 11:29 AM
5	Enrollment patterns were examined and explored. Student success rates were analyzed. Math faculty have made improvements to support learning and address student success rates in particular courses.	2/16/2021 1:54 PM
6	Success rates reflect a good balance of high standards and a high level of support. Lower percentages in Dev Ed courses are expected.	2/5/2021 1:57 PM

**Q8 BUDGET** Highly Developed: Financial resources meet current needs and are projected to meet future needs. Developed: Financial resources meet current needs. Emerging: Evidence of a plan to acquire financial resources to meet current needs. Initial: Minimal evidence that financial resources meet current needs.

Answered: 15 Skipped: 0

## Instructional Program Review - Mathematics



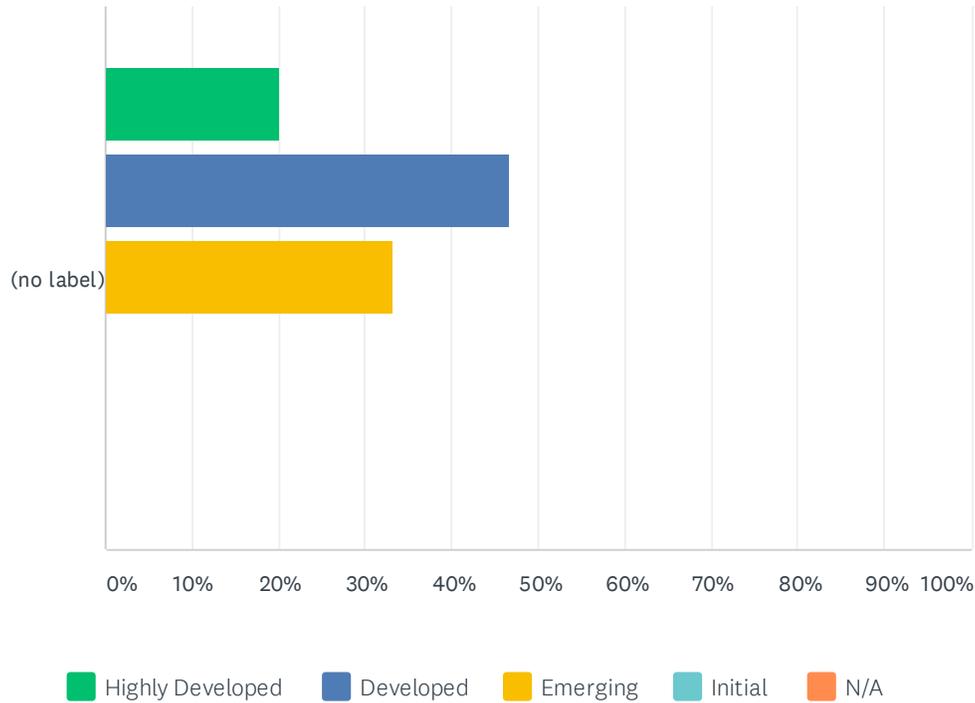
	HIGHLY DEVELOPED	DEVELOPED	EMERGING	INITIAL	N/A	TOTAL	WEIGHTED AVERAGE
(no label)	20.00%	60.00%	20.00%	0.00%	0.00%	15	3.00
	3	9	3	0	0		

#	COMMENTS/FEEDBACK:	DATE
1	Positive CMA is always a good thing.	2/18/2021 11:47 AM
2	As enrolment dropped in 19 20 the margin percentage also took a significant dip.	2/17/2021 10:43 AM
3	Faculty are seeking improvements and testing services and supports.	2/16/2021 1:54 PM

**Q9 STRENGTHS AND WEAKNESSES**  
 Highly Developed: Strengths and weaknesses are described accurately and thoroughly.  
 Developed: Most strengths and weaknesses are described accurately and thoroughly.  
 Emerging: Some strengths and weaknesses are described accurately and thoroughly.  
 Initial: Minimal evidence that strengths and weaknesses are described accurately and thoroughly.

Answered: 15   Skipped: 0

## Instructional Program Review - Mathematics



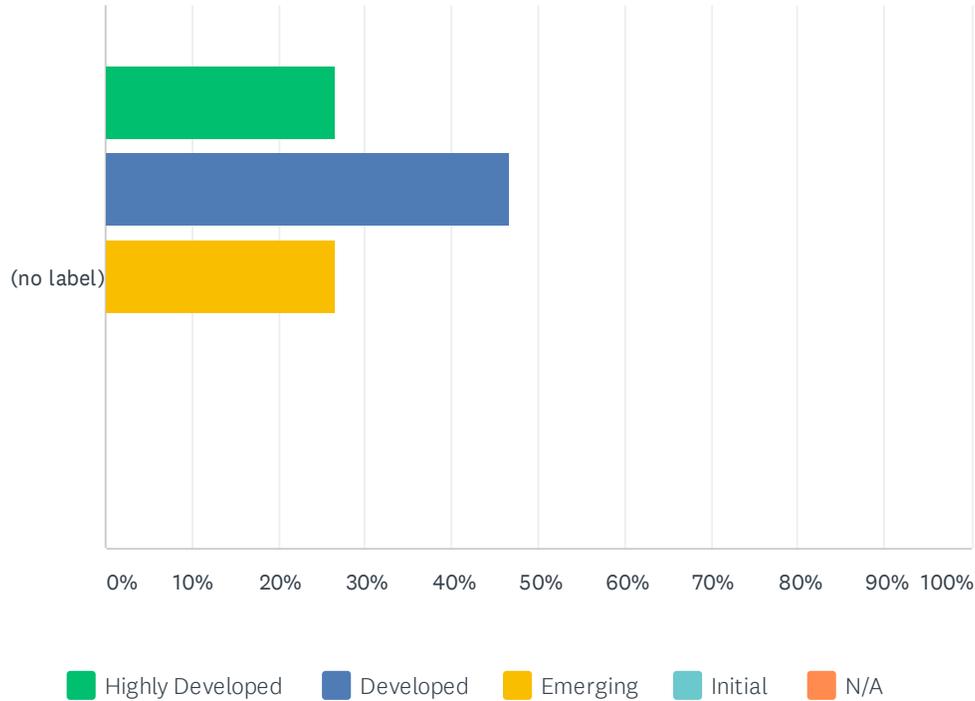
	HIGHLY DEVELOPED	DEVELOPED	EMERGING	INITIAL	N/A	TOTAL	WEIGHTED AVERAGE
(no label)	20.00%	46.67%	33.33%	0.00%	0.00%	15	2.87
	3	7	5	0	0		

#	COMMENTS/FEEDBACK:	DATE
1	Experienced, well-qualified faculty who are innovative, collaborative, and dedicated to student success. We provide solid instruction and operate from a continuous improvement mindset. In addition, KCC is fortunate to have exceptional part-time faculty who are part of our team.	2/18/2021 11:47 AM
2	Longevity of faculty and adjuncts in their current positions. Concern by faculty that students learn the material. Brief description in 6A and 6B.	2/17/2021 3:54 PM
3	This area lacked thoroughness in the review.	2/17/2021 2:13 PM
4	I believe they have described their strengths and weaknesses accurately and thoroughly but I am not sure if their solution is the only option. I'm sure 1 more full time math instructor would work but I don't understand why they are having trouble finding part times (that part isn't really described)	2/17/2021 2:13 PM
5	In order to limit the course load per term, possibly an evaluation of the frequency and class size should factored.	2/17/2021 10:43 AM
6	Math faculty consistently receive favorable student course evaluations. Experienced, well qualified, faculty. Weakness: need more adjunct faculty. Math faculty have concerns regarding the number of preps each faculty has each term.	2/16/2021 1:54 PM
7	Continuous improvement mindset is a strength, need for more faculty is a weakness in this department.	2/5/2021 1:57 PM

**Q10 NEW GOALS AND PLAN**  
 Highly Developed: Multiyear planning process with evidence of use of assessment data in planning.  
 Developed: Multiyear planning process with some assessment data.  
 Emerging: Short-term planning process recently implemented.  
 Initial: Minimal evidence of planning process.

## Instructional Program Review - Mathematics

Answered: 15 Skipped: 0



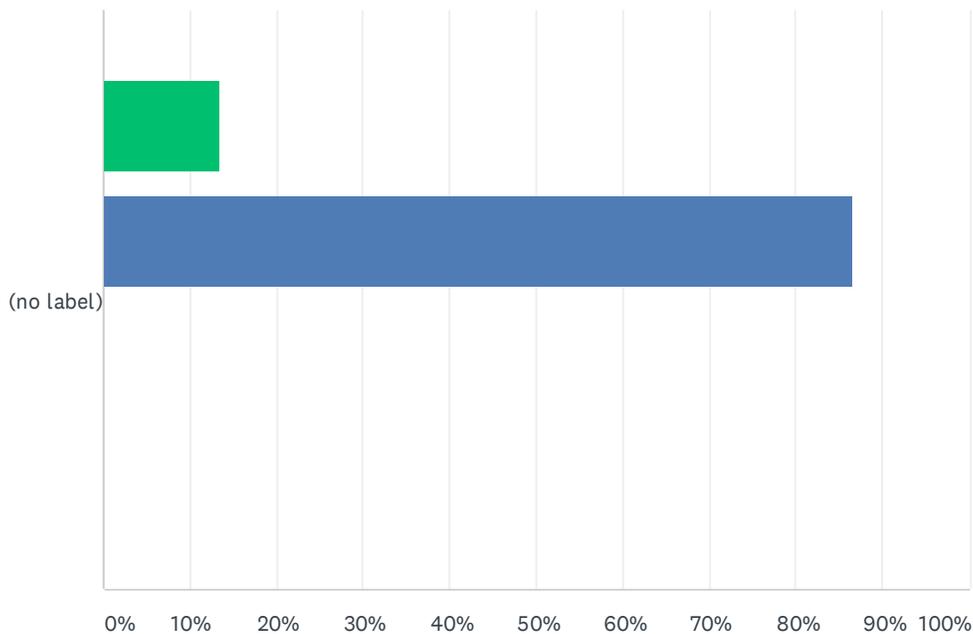
	HIGHLY DEVELOPED	DEVELOPED	EMERGING	INITIAL	N/A	TOTAL	WEIGHTED AVERAGE
(no label)	26.67%	46.67%	26.67%	0.00%	0.00%	15	3.00
	4	7	4	0	0		

#	COMMENTS/FEEDBACK:	DATE
1	The new goals seem to be the same as the old goals.	2/17/2021 3:54 PM
2	New goals beyond completion of existing goals?	2/17/2021 10:43 AM
3	Math faculty have developed both long term and short term student success goals. Math faculty are responsive to student success rates. Math faculty regularly develop supplementary aids and resources.	2/16/2021 1:54 PM
4	New goals as explained remain narrowly focused.	2/12/2021 6:30 PM
5	Faculty are continually improving the courses and the presentation of information to students. Because so many of the classes have moved to zoom, innovative methods have been established to support students who are nervous of taking math on line.	2/5/2021 1:57 PM

**Q11 OVERALL PROGRAM EVALUATION**  
**Highly Developed:** Evidence of ongoing systematic use of planning in selection of programs and services.  
**Developed:** Program exhibits evidence that planning guides program and services selection that supports the college.  
**Emerging:** There is evidence that planning intermittently informs some selection of services to support the college.  
**Initial:** Minimal evidence that plans inform selection the of services to support the college's mission.

Answered: 15 Skipped: 0

### Instructional Program Review - Mathematics



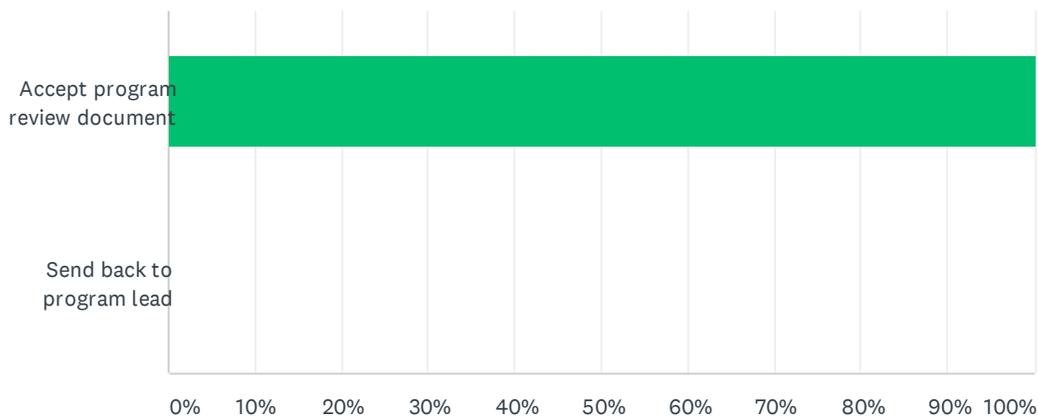
■ Highly Developed   
 ■ Developed   
 ■ Emerging   
 ■ Initial

	HIGHLY DEVELOPED	DEVELOPED	EMERGING	INITIAL	TOTAL	WEIGHTED AVERAGE
(no label)	13.33% 2	86.67% 13	0.00% 0	0.00% 0	15	3.13

#	COMMENTS/FEEDBACK:	DATE
1	Strong program that will always be necessary.	2/18/2021 11:47 AM
2	Nice to see that the department is evolving to meet the challenges and changes brought on my needs for various classes in CTE programs.	2/17/2021 3:54 PM
3	Planning guides program and services selection that supports the college	2/16/2021 1:54 PM

### Q12 Should this academic program review be accepted by CIIC or sent back to the program lead for further work?

Answered: 15    Skipped: 0



## Instructional Program Review - Mathematics

ANSWER CHOICES	RESPONSES	
Accept program review document	100.00%	15
Send back to program lead	0.00%	0
<b>TOTAL</b>		<b>15</b>

### Q13 Please highlight the strengths of the program.

Answered: 15 Skipped: 0

#	RESPONSES	DATE
1	Great Faculty	2/18/2021 1:04 PM
2	Faculty and their dedication to students success and the college mission.	2/18/2021 11:47 AM
3	Proficient faculty. over all success rate for students.	2/18/2021 8:06 AM
4	Dedicated and experienced Staff	2/18/2021 5:55 AM
5	Caring faculty that are concerned with students learning the material. Consistent leadership and experience in the department.	2/17/2021 3:54 PM
6	Dedicated faculty, good leadership, creative approaches to problems.	2/17/2021 2:13 PM
7	The math department seems highly focused on taking care of their students	2/17/2021 2:13 PM
8	The program's strength is in its faculty's commitment, quality instruction and intentful planning. Another strength is the collaboration within the department, the program review presentation highlighted that collaboration, well done.	2/17/2021 11:29 AM
9	Dedicated committed faculty	2/17/2021 10:43 AM
10	The math department is robust and has committed faculty.	2/17/2021 9:11 AM
11	faculty, supportive technology, student success focus	2/16/2021 1:54 PM
12	This program is essential to all other programs. Student success here is a long-standing challenge. The department has made significant improvements at the level of individual instructor efforts.	2/12/2021 6:30 PM
13	Dedicated and talented full time faculty who use data to carefully plan for student success.	2/9/2021 8:46 AM
14	Faculty are continuously improving courses and presentation methods.	2/5/2021 1:57 PM
15	Great use of videos for online instruction and kudos on the development of course materials to help reduce or eliminate the need of an expensive book to students.	1/22/2021 2:26 PM

### Q14 Please outline weaknesses of the program.

Answered: 15 Skipped: 0

## Instructional Program Review - Mathematics

#	RESPONSES	DATE
1	need more online classes	2/18/2021 1:04 PM
2	Workload.	2/18/2021 11:47 AM
3	Staffing	2/18/2021 8:06 AM
4	N/A	2/18/2021 5:55 AM
5	Overworked faculty.	2/17/2021 3:54 PM
6	Not all answers were tied back to the data with clear analysis.	2/17/2021 2:13 PM
7	I don't believe they are properly staffed for the classes that are needed	2/17/2021 2:13 PM
8	As stated by the program review and emphasized in the presentation it is imperative that faculty not have too many preps for courses, per term. Too many preps impacts instruction and the managing of the program overall. In these foundational skills courses the focus must remain on consistent quality instruction. When an instructor has too many preps of various courses in a term it fractures their focus and energy and negatively impacts students.	2/17/2021 11:29 AM
9	Overall balance of classes offered and work load.	2/17/2021 10:43 AM
10	The math department's full time faculty consistently have an overload of credits.	2/17/2021 9:11 AM
11	Need more testing supports and tools.	2/16/2021 1:54 PM
12	The department's evaluation of its weaknesses was very narrow. Long-range, systematic planning for changes in the student population and the way they learn or the way they access classes/materials is needed.	2/12/2021 6:30 PM
13	The number of offerings often means faculty have to teach many preps during a single term.	2/9/2021 8:46 AM
14	Faculty are stretched thin, and need additional qualified members.	2/5/2021 1:57 PM
15	No weaknesses found	1/22/2021 2:26 PM

**Q15 Please make recommendations for program improvement.**

Answered: 15 Skipped: 0

## Instructional Program Review - Mathematics

#	RESPONSES	DATE
1	create successful online courses and support for students	2/18/2021 1:04 PM
2	Better manage FT faculty workload, develop math lab. Keep up the great work you are already doing.	2/18/2021 11:47 AM
3	NA	2/18/2021 8:06 AM
4	N/A	2/18/2021 5:55 AM
5	Hire an additional faculty member.	2/17/2021 3:54 PM
6	Consider a more detailed strengths and weaknesses assessment and use the outcomes for planning in the future.	2/17/2021 2:13 PM
7	Look into a new full time employee and, at least in the meantime, look into hiring more part timers	2/17/2021 2:13 PM
8	The only recommendation I would make is too keep the preps to three per instructor per term. This may take some re-arranging of the scheduling of courses to achieve this.	2/17/2021 11:29 AM
9	Evaluate class size and frequency of offering.	2/17/2021 10:43 AM
10	Hire more adjuncts. Seek help from other departments regarding new textbooks and/or programs that are low-cost to students	2/17/2021 9:11 AM
11	Need to grow more adjunct faculty.	2/16/2021 1:54 PM
12	1. Improve planning. 2. Understand the limits of videos that are specific to one instructor; this does not point to a long-term vision for the department and/or succession planning.	2/12/2021 6:30 PM
13	Finish the planned math lab, and consider reducing course offerings. Keep working towards reducing developmental education.	2/9/2021 8:46 AM
14	Finish the lab and hire more qualified faculty.	2/5/2021 1:57 PM
15	Keep up the good work!	1/22/2021 2:26 PM

**Q16 Please enter your name.**

Answered: 15   Skipped: 0

## Instructional Program Review - Mathematics

#	RESPONSES	DATE
1	tricia	2/18/2021 1:04 PM
2	Allison Marie Sansom	2/18/2021 11:47 AM
3	Tracy Heap	2/18/2021 8:06 AM
4	Rick Ball	2/18/2021 5:55 AM
5	David Edgell	2/17/2021 3:54 PM
6	Charles Massie	2/17/2021 2:13 PM
7	Brad Baker	2/17/2021 2:13 PM
8	Jo Cochran	2/17/2021 11:29 AM
9	Mike Homfeldt	2/17/2021 10:43 AM
10	EW	2/17/2021 9:11 AM
11	Jamie Jennings	2/16/2021 1:54 PM
12	Thomas Nejely	2/12/2021 6:30 PM
13	Jeanne LaHaie	2/9/2021 8:46 AM
14	Janice Silvestri	2/5/2021 1:57 PM
15	Ian Kautzman	1/22/2021 2:26 PM