



Math Tech Prep Summit Minutes

Date: Tuesday March 14th

LOCATION Building 7- L 21 - The Glass House

The meeting began promptly at 8:00 a.m. Wendell Meyers Welcomed the group and had attendees introduce themselves.

Attendees included: Jesse Zink, Northmont HS; Marcia Taynor, Todd Trainer, Springfield Clark CTC; Brenda Wheat, Miami valley CTC; Erin Schultz, Diondra Copeland, Butler Tech; Erica Perkins, Fairmont HS; Craig Birkemeier, Asst. Professor (MAT 1120 Liaison); David Ericson, Associate Professor, (MAT 1110, 1270, 1370 Liaison) Wendell Meyers, Nina Allen, Bryan Jackson, Shirley DeWinter, Tim Bryant, and Josiah Wahlrab, Miami Valley Tech Prep Consortium.

Wendell Meyers provided a quick overview of the proficiency courses offered by the MVTPC.

Craig Birkemeier provided an in-depth overview of MAT1120 in eLearn, and provided a copy of the course syllabus. He informed the group that instruction delivery is flexible, and can be delivered over an entire academic year or over one semester. Craig pointed out the videos that are linked in the 1120 eLearn shell for additional instruction. He also showed how the answers are displayed following submission of a practice test.

There was discussion regarding use of “My Math Lab,” and another product “Math XL” was recommended as it is more affordable, but has fewer features. Math XL is currently being used at Butler Tech.

David Ericson provided an update on the Math department reorganization, stating that with the merging of the DMA and MAT departments, all Math instructors will be in the same department. DMA 028, MAT 1270 and MAT 1370 courses will be renumbered, and content adjusted to level the courses. DMA 028, 1270, and 1370 will become MAT 0100, 0200, and 0300 respectively. Each course will be 3 credit hours, and contain three one hour exams. The third exam will be comprehensive, containing info from exams 1 and 2. The exams will be weighted 30, 30, 40% for grade calculation. David reviewed the content of 1270 (0200) and 1370 (0300) and explained the sequence of courses following 0200 (1445, 1450, 1470,) and 0300 (1450, 1460, 1470, and 1580) which are all full transfer Math courses. The texts for the 0100, 0200, and 0300 series will be updated.

David also provided an overview of Math for Technologists, 3 credit hours, three unit exams, and one cumulative final, weighted 25% each. He showed recent test results for each unit test, broken down by specific applications.

David demoed the eLearn shell, and showed pdf links for supplemental material.

There was discussion about “My Math Lab” instructor accounts, and whether instructors had to pay for these or if they were provided through an institutional license. Craig Birkemeier stated that he would add the My Math Lab link to the Sinclair shell.

Josiah Wahlrab & Tim Bryant reviewed the end-of-year data collection process. A MM3 handout was introduced, and Josiah pointed out the top two measures in the chart (3.0 GPA & Algebra II grade) are in **bold type**, indicating the info is collected through the portal. The other measures must be submitted by the student. Instructors asked for access to the students in their school who are registered or have credit in proficiency classes to assist them with the credit approval process. Josiah is going to look into gathering and sharing this data.

Also note: We received verification from the Provost office that proficiency course grades, processed by Tech Prep, appear on the Sinclair College Transcript and factor into students’ Sinclair GPA.

Tim Bryant asked if any new instructors needed a Non-employee Account. He stated that the teacher demographic information is updated by Tim for 2017-2018 if the instructor remains a part of the consortium.

School Year

2017

Tech Prep Showcase – April 25, 2017

Thursday, March 23 – GPA’s for MM3

Friday, June 9 – Credit Capture forms due to Tech Prep

Thursday, August 4 – Proficiency testing signup begins

September to mid-October – Jr. Registration

September through November – Jr. Career Exploration Days

2018

Getting Ready for College Night – February 15, 2018

Tech Prep Showcase – March 21, 2018

Two handouts were distributed regarding credit capture. The goal this year is 100% through the portal. Tim asks instructors to continue with what they have done in the past. Sinclair instructors post eLearn grades. Student's access their account in the Portal via Sinclair email, and say yes or no to credits available. Instructors will get an email from Josiah when the portal is ready. Instructors access the portal through: tinyurl.com/jy9mtal See the "How to access Tech Prep Portal" handout, and follow the directions. Portal can also be accessed through link on right side of Tech Prep Website Home Page. Instructors should post grades where applicable. Coordinators/instructors can view the status. Please try out the portal prior to April!!

There was discussion regarding students choosing to accept their college credit prior to their senior year, especially in courses not delivered by the technical instructor. There is confusion regarding the specific students who are or have previously taken eLearn courses, and how those students would accept credit once they were seniors. Josiah stated that he would look into providing gathering and providing that information to coordinators.

Wendell Meyers pointed out that the remainder of the items on the agenda were more directed at the CT program instructors, and thanked the instructors for their attendance.

Wendell spoke briefly about student transition programming for one year certification and degrees, a new focus on underrepresented students and non-traditional student programming. Tech Prep will have an increased focus on the matriculation of students into workforce programs, connections to industry, and incorporating those connections into our Sinclair operations. Program of Study documentation is a priority, in addition to increased collaboration to complete pathways for students.

Check the important dates at the top of this communication!

MAT 1110/1270/1370

David Ericson

Tech Prep 3/14/17

Changes for Fall 2017

- DMA and MAT departments merging
- Reorganize DMA 028, MAT 1270, and MAT 1370 as MAT 0100, 0200, and 0300
- 3 credit hours each
- 3 exams in each course
- 3rd exam is Unit 3 + Cumulative
- Weighted 30%/30%/40% for grade calculation

Content for MAT 0200, 0300

1270	Linear Equations in One Variable	0100
	Linear Equations in Two Variables	
	Systems of Linear Equations	0300
	Linear Inequalities in Two Variables	
1370	Exponents and Polynomials	0200
	Factoring	
	Rational Expressions and Equations	
	Functions	0300
	Radical Functions	
	Solving Quadratic Functions	

Next Step at Sinclair

- Students who complete MAT 0200 can take:
 - MAT 1445 – Quantitative Reasoning
 - MAT 1450 – Introductory Statistics
 - MAT 1470 – College Algebra (with corequisite)
- Students who complete MAT 0300 can take:
 - MAT 1460 – Finite Mathematics for Business Analysis
 - MAT 1470 – College Algebra
 - MAT 1580 – Precalculus

MAT 1110 – Math for Technologists

- 3 credit hours
- 3 unit exams + 1 cumulative final
- Weighted 25%/25%/25%/25%
- Content:

Test 1	Fractions; Decimals; Ratio and Proportions; Percent; Measurement
Test 2	Signed Numbers; Exponents; Linear Equations in One Variable; Linear Equations in Two Variables; Measures of Center
Test 3	Plane Geometry; Solid Figures; Triangle Trigonometry

Unit 1 Results

Measurement	89.66%
Tolerance	88.28%
Multiplication	87.23%
Division	72.34%
Division	70.21%
Division	65.96%
Percents	61.70%
Unit Conversion	59.57%
Tolerance	57.24%
Percents	53.19%

Unit 1 Results (continued)

Multiplication	51.06%
Proportions	48.94%
Multiplication	46.81%
Unit Conversion	44.68%
Proportions	40.43%
Proportions	36.17%
Subtraction	36.17%
Multiplication	29.79%
Division	19.15%
Tolerance	4.26%

Unit 2 Results

Area	100%
Linear Modelling	91.75%
Reading a Graph	88.66%
Addition/Subtraction	87.63%
Median	85.57%
Linear Modelling	80.41%
Rate of Change	76.29%
Linear Modelling	76.29%
Solve for a Variable	70.10%
Mean	62.89%

Unit 2 Results (continued)

Construct Equation based on a Graph	62.89%
Simplify Expressions	55.67%
Slope	54.64%
Addition/Subtraction	54.64%
Solve for a Variable	46.39%
Linear Modelling	44.33%
Solve for a Variable	43.30%
Linear Modelling	28.87%
Rate of Change	26.80%
Rate of Change	24.74%

Unit 3 Results

Angles in a Triangle	78.72%
Angle Measure	74.47%
Perimeter	74.47%
Circumference	59.57%
Angle Measure	54.26%
Area	48.94%
Volume	44.68%
Surface Area	42.55%
Pythagorean Theorem	40.43%
Right Triangle Trigonometry	37.23%

Unit 3 Results (continued)

Right Triangle Trigonometry	35.11%
Surface Area	31.91%
Arc Length	30.85%
Volume	26.60%
Volume	24.47%
Area	20.21%
Volume	18.09%
Right Triangle Trigonometry	18.09%
Volume	18.09%
Angular Velocity	9.57%