



Old habits  
don't open  
new doors.

*FB/Sue Fitzmaurice, Author*

# Completion Initiative Grant 2013-2018

Findings presented by Bea Houston, Project Director

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# Overarching Goals:

- ▶ 1) Strengthen Developmental Education
- ▶ 2) Increase course success through comprehensive faculty development
- ▶ 3) Infrastructure build-up to support faculty development, academic support systems, and facilitate improved student data management
- ▶ 4) Expand support services

# Objectives:

- ▶ Year 1
  - ▶ College-Level Math
  - ▶ Developmental Reading and Math
- ▶ Year 2
  - ▶ College-level English
  - ▶ Developmental English/Writing
- ▶ Year 3
  - ▶ College-Level Science
  - ▶ Developmental Biology
  - ▶ Fall to Fall retention

# Objectives continued:

- ▶ Year 4
  - ▶ Social Science and Humanities
  - ▶ BIO 105
- ▶ Year 5
  - ▶ CTE programs
  - ▶ CSC-110
  - ▶ Fall to Fall retention up 6% over baseline
    - ▶ 50% FT students
    - ▶ 28% PT students
    - ▶ 42.4% all students beginning in developmental

# Objective 1& 2 College-level Math

- ▶ Because of late start on grant work this was extended to Dec. 2015
- ▶ Trained necessary faculty
- ▶ Adopted various software selected by Math Department
- ▶ Changes were not sustained and success rates though initially promising did not hold through 5-year grant
- ▶ MAT 102 is only one still holding gains at 2% improvement
- ▶ MAT 772 started out with great success (contextualized) but declined each term following initial

# Objective 3: Developmental Reading/Math

- ▶ Tried various strategies
  - ▶ COM 090 started as 5 cr. then changed to 3 cr.
  - ▶ Blended courses RDG w/ Psychology, RDG w/ Diversity, etc.
  - ▶ Blended courses ENG w/ ENG 105, ENG w/SPC, etc.
  - ▶ ENG 090 as an IRW
  - ▶ MAT 090 with ALEKS
  - ▶ MAT 090 blended with MAT 102
- ▶ ENG 090 has no accurate measure as we blended everything into one course
  - ▶ So we can only measure success rates
  - ▶ We are now offering as a service most of the content of this course in the CLC

# Objective: Developmental Reading/Math continued

- ▶ COM 090 has not had a successful completion rate and has been detrimental to student success rates (completion rate and GPA for financial aid)
- ▶ MAT 090 success rates at now 9.6% higher than baseline and this is also being offered as a service in the CLC prior to enrollment so many are not taking the course.
- ▶ CPT prep/Math prep is increasing and allowing students to get into college-level courses without the need of a developmental course.
- ▶ MAT 772 test outs are increasing and now being offered year-round to better meet the needs of students and the % who are successfully completing the test out is increasing.



# Objective 4: College-level English

- ▶ Tried various blended courses
  - ▶ ENG 105 w/ SPC 112
  - ▶ Dev. ENG with ENG 105
  - ▶ ENG 105 w/ PSY 111
  - ▶ ENG 105 w/ CLS 212
  - ▶ ENG 105 w/ SOC 212
- ▶ Added additional instructional strategies
  - ▶ Flipped classroom
  - ▶ Use of Kahoot! for engagement

# Objective 5 Developmental English & Writing

- ▶ Again, tried blended courses
  - ▶ Dev. ENG w/ ENG 105
  - ▶ Dev. ENG w/ PSY 111
  - ▶ Dev. ENG w/ SOC 212
  - ▶ Dev. ENG w/ SOC 110
- ▶ All blended courses showed some success, but needed additional semesters to really measure and get them successfully integrated into the course plans
- ▶ Student comments were all very positive and encouraging

# Objective 7 College-level Science

- ▶ Incorporated software to make learning interactive
- ▶ Reverse engineered BIO 105
- ▶ Incorporated different instructional strategies to increase engagement and understanding
- ▶ Reevaluated content of BIO 105

# Objective 8: Developmental Science

- ▶ Did away with BIO 070
- ▶ Replaced it with BIO 105
- ▶ Changed criterion for measuring readiness for college-level course
- ▶ Used reverse-engineered design for the course
- ▶ Replaced all science testing requirements with BIO 105

# Objective 10 Developmental Biology Replaced with BIO 105

- ▶ Requested and got approval to replace BIO 070 with BIO 105
- ▶ Used the new course construction (reverse engineered)
- ▶ Showed a lot of promise
- ▶ Instructors had trouble covering all the content and didn't get to the Chemistry as much as they felt they should have
- ▶ Success rates were better

# Objective 11: Social Science and Humanities

- ▶ Such a large group of courses we offered “Engagement Book Clubs”
- ▶ Ran three different ones
  - ▶ *How Children Succeed*
  - ▶ *Research Based Strategies to Ignite Learning*
  - ▶ *The Motivated Brain*
- ▶ During fall term read and discussed the book in sections
- ▶ During spring term implemented strategies gleaned from the readings
- ▶ Didn't have anything to measure some courses against
- ▶ Some did very well, but we had small measures of numbers

# Objective 12: Business & Technical Trades

- ▶ Offered DACUM & SCID training for CTE instructors
- ▶ Conducted a DACUM process for creation of a new department
- ▶ SCID training created Learning Project Guides to use for implementation in the specific CTE courses where they are implementing the activity
- ▶ Worked with Health programs who created and implemented a new course to add to their course listing to improve success rates for Nursing students
- ▶ Added Employability Skills components to a number of courses and to some of the SDV 108 (College Experience) courses that were specifically for the CTE programs participating
- ▶ Very good success rates on these programs

# Objective 13: Computer literacy (CSC 110)

- ▶ Waited until after statewide articulation conference before implementing
- ▶ Worked with instructors to create interactive content to reinforce skills learned
- ▶ Worked with instructors to create engaging content that was more project based to support learning and assessment
- ▶ Incorporated all content created into course shell
- ▶ Measured using pre- post- tests to evaluate increased learning and engagement
- ▶ In Word and PowerPoint there was not a huge growth recognized
- ▶ In Excel and Access there was substantial growth and learning demonstrated
- ▶ Improved completion rates were demonstrated



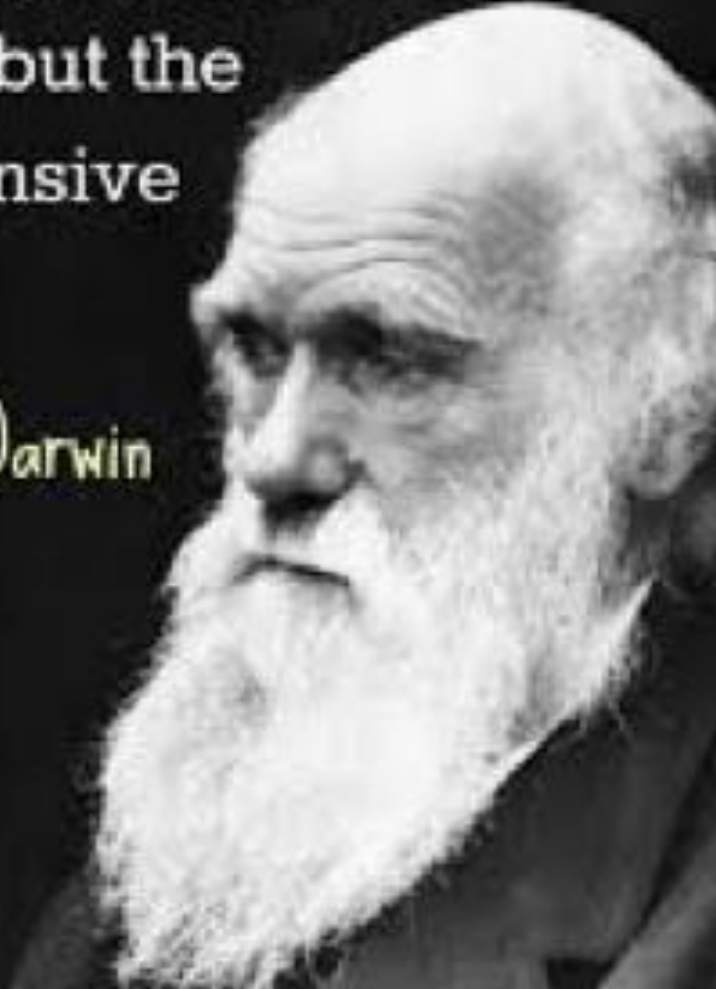
## Objective 14: Fall-to-Fall Retention Rates

- ▶ Retention exceeded objectives:
  - ▶ Full-time goal 56% actual 63.8%
  - ▶ Part-time goal 34% actual 48.5%
  - ▶ Dev. goal 48.2% actual 51.1%

It is not the strongest species  
that survive, nor the most  
intelligent, but the  
most responsive  
to change.

-Charles Darwin

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CHANGE WILL NOT COME IF WE  
WAIT FOR SOME OTHER PERSON OR  
SOME OTHER TIME. WE ARE THE  
ONES WE'VE BEEN WAITING FOR.  
WE ARE THE CHANGE THAT WE  
SEEK.

~ BARACK OBAMA

# Questions?

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