The End of Semester is Too Late

Using technology to improve student performance throughout the semester across the academic unit

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Have you thought about classes taught by ‘other people?’

- Students are often not notified of grades
- Grades are often not up-to-date
- Resources aren’t highlighted
- Canvas is disorganized

In short: They. Don’t. Care.
Ben’s “highly scientific” perception of teaching quality at UNO CBA
What’s the problem?

• We have a ‘three-strikes’ rule for the CBA core
  • CBA Students must ‘sit-out’ a class if they fail it twice (C or better)
  • Students cannot take a class more than three times

• A specific list of classes often result in a C- or below:
  • Principles of Micro (2200) and Macro (2220)
  • Finance I (3250)
  • Accounting I (2220)
  • Math 1370

• Our tutors were just not used
Presentation Outline

- Providing students information
  - Automatic periodic emails containing current grade
  - Notifications of resources
  - Reminders of tutoring appointments

- Providing advisors and faculty information
  - ‘At-risk’ list produced for advisors
  - Tutoring appointments are tracked
  - Tutoring appointments, ‘at risk’ data and assessment data are all mapped together
This message is to inform you of your standing in select CBA courses. As of right now, your score in ECON2200 is 79.49. Your current grade is an "B-". This score is based on the current data in Canvas. Please contact your instructor if you have any questions.

If you are struggling, it is recommended that you contact the economics tutor (http://cba2.unomaha.edu/econtutor) or your instructor. There is also a Math Science Learning Center (MSLC) if you are struggling with math. You will find information about the MSLC (https://www.unomaha.edu/college-of-arts-and-sciences/math-science-learning-center/about-us/hours.php). In addition to these resources, you can also reach out to your academic advisor and set up a meeting to discuss an academic plan for you. Schedule an appointment through MavTRACK (https://www.unomaha.edu/my/advising-system-mavtrack.php). Note that the last day to withdraw from a class is Nov 8.
Sign Up Page

http://cba2.unomaha.edu/econtutor
Enter Details

Name *

Email *

Add Guests

Which class are you having difficulty with? *

Who is your instructor?

Specifically, what question(s) would you like answered at this meeting? Please be as specific as possible. *
### Matching Data from At Risk and Tutoring

**Are students at risk getting help from the tutors (ECON and FNBK; Oct Data)?**

**Students who were at risk & haven't scheduled a time with a tutor:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Score</th>
<th>Grade</th>
<th>Course</th>
<th>Email</th>
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<td>8.</td>
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<td>D+</td>
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</table>

**Students who were at risk & have scheduled time with a tutor:**

<table>
<thead>
<tr>
<th>Name</th>
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<th>Email</th>
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Hi [Name],

As you might know, CBA sends you information about your grade in high risk classes approximately once a month - one was sent this morning. Unfortunately, you are considered to be an 'at risk' student as you currently have a C in my class (ECON 2200) - CBA students must earn a C or better in core courses. We also track usage of the econ tutor and have noticed that you haven't made an appointment; if you saw her without an appointment or used your personal email address to make the appointment, we would not be able to match that.

At this point, we would consider you at risk of not succeeding in the class. I highly suggest you make an appointment with her before Wednesday's exam. You can make an appointment with the econ tutor here:

http://cba2.unomaha.edu/econtutor

Duyen is super nice and is always happy to help. Please go and see her!

Thanks!

Ben (Your Econ Professor)
How Does This Work?

Canvas → Google Apps Script

Google Spreadsheet (At-Risk)
How Does This Work?

Calendly → Google Cloud Function → Google Spreadsheet (Appointments)
How Does This Work?

Google Spreadsheet (At-Risk) → Google Data Studio Data Source →
- Assessment Reports
- Tutor Usage
- At Risk Reports
- Course Reports

Google Spreadsheet (Appointments)
Costs?

- **Canvas API:** Free if you have Canvas
- **Google G Suite:**
  - Free running of Apps Scripts
  - Free Google Spreadsheets
  - Free Data Studio Reports
- **Google Cloud Function**
  - In theory $0.0000004 per run
  - But first 2 million runs per month are free
- **Calendly**
  - Education discount of 25%
  - $72 per tutor per year
- **So, we spent $216**
What do you need?

• **One** technical person to set it up
• Source code for the Cloud Function and Apps Script:
  • [https://github.com/tazzben/process-tutoring](https://github.com/tazzben/process-tutoring)
• Some buy-in from the administration