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**MAT 104 Technology Studies: Making Sense of Data**


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**Time and Location:** AA: MW, 2:15 – 3:30 pm, SCI 25, 10/23/17 – 11/28/17  
 AC: TR, 2:15 – 3:30 pm, SCI 25, 10/23/17 – 11/28/17

**Instructor:** Mark Rasmussen    **Email:** [mras muss@sienaheights.edu](mailto:mras muss@sienaheights.edu)    **Phone:** (517) 264-7658

**Office:** Science 33A

<b>Office Hours:</b>	Monday	Tuesday	Wednesday	Thursday	Friday
	9:00 – 12:00	9:00 – 10:00 1:00 – 2:00*	9:00 – 12:00	9:00 – 10:00 1:00 – 2:00*	1:00 – 12:00

or by appointment

\* The TR 1-2 office hours are in place while MAT 104 is in session. (10/23 – 11/28)

**Text:** Printed materials will be distributed by the instructor.

**Required Material:** TI-nSpire Graphing Calculator and a Notebook or Folder

### Catalog Course Description

Technology will be used as a tool in the process of collecting, analyzing, representing, and communicating numerical information. Concepts and procedures will include: statistical sampling methods; structured methods of organizing data; numerical analysis of data, including measures of central tendency and measures of variability; graphical representation of data; and constructing summary reports, both oral and written.

### Course Content and Methods

This course gives you an introduction to the use of a specific technology tool, the TI-nSpire Graphing calculator, to collect, describe, and represent data in ways that make sense to you so that you can communicate what you have learned about the data to other people.

Activities and labs will be completed through independent effort and small group work. Oral reports in class and written reports will provide two modes of communicating results to others. At times the entire class will participate in a demonstration of a new procedure, collaborate in the collection of data, or discuss common errors and complicated features.

### Assessment:

Several forms of assessment will be used to provide evidence of your learning in this course:

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| 1. Activity Sheets<br>30% | Activity sheets may be due at the end of a class session or the beginning of the following class, depending on the activity. |
| 2. Quizzes<br>15%         |  |
| 3. Final Project<br>55%   |  |

Grading is by the usual scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, E=0-59%

### Attendance:

Regular, prompt attendance for each class meeting is expected. Two (2) or more absences may result in the lowering of your grade by 10%, a full letter grade. You are responsible for completing all course work in a timely manner, even if you have been absent from class for any reason. Each student may submit one late homework assignment with no penalty. The second and subsequent late assignments will have their grade reduced by 50%.

NOTE: If you do not have your calculator with you on a day where we are using them in class, you may be marked absent for that day.

**Additional Resources:**

- Your instructor holds office hours, as given above and on a printed form outside his door, to provide specific times for you to receive individual help when you are having difficulty.
- You are encouraged to work with another student, or in a small group to assist each other in finishing assignments.
- You may meet with a math tutor in SCI 26 at posted times.

**Academic Dishonesty:**

Please read the Siena Heights University Academic Dishonesty Policy in the Undergraduate Catalog. Any instances of such unethical behavior will be handled on a case by case basis, and may result in a failing grade in the course as well as being reported to the appropriate university authorities.

**Students with Learning Disabilities:**

In accordance with University policy and the equal access laws, I am available to discuss appropriate academic accommodations that you may be eligible for as a student with a disability. Please contact me for an appointment to discuss possible accommodations. Students must register with the Office for Students with Disabilities for disability verification and determination of reasonable accommodations. Requests for are not retroactive.

**Cell Phone Policy:**

The use of cell phones in class, either for talking or texting, is not permitted. Using your cell-phone may result in the confiscation of your phone for the remainder of class and additional disciplinary action. Please turn your phone off and put it away before coming to class.

**Computer Use:**

The computers in the class room are only to be used during class when students are instructed to do so. There is to be absolutely no web browsing, instant messaging, e-mailing, working on other courses, or other use of the computers during class. Using the computer at inappropriate times distracts both classmates and your instructor.

**Note:**

This is a short, intensive course. Plan to spend a significant amount of time outside of class on assignments and studying. Learning math, and remembering it weeks later, requires practice and persistence.