

**MATH 407 Math Honors Seminar**  
**Dr. Boersma**  
**Fall 2020**

**Goals:** We will start with the game of SET, play it a few times, make some mathematical connections and conjectures, and see what we can prove and where it might lead us.

**Office:** Samuelson 121-A, phone: 963-1395, email [Stuart.Boersma@cwu.edu](mailto:Stuart.Boersma@cwu.edu). Until further notice, I will not be holding regular office hours in person, so dropping by my office in Samuelson is not the best way to get a hold of me. There are ways in Canvas for the class to “meet” at the same time or for me to “meet” with anyone for one-on-one time if that is necessary (see below).

**Required  
Materials**

1. The desire to participate in mathematical discovery and experimentation.
2. A copy of the card game SET (optional).

**Canvas** We will be using Canvas a lot this quarter. I will try to keep our Canvas course organized so it is clear when assignments are due and where you can find resources.

**Your Grade:** Your final grade in this course will depend on Attendance and Class Participation (50%) and Activities and Discussions (50%).

**Attendance** Live zoom sessions will be held every Wednesday from 3:00 - 3:50 am. This is a 400-level mathematics course. Thus, I will expect every student to make an effort to be “in class” at those times. We can use this time to discuss ideas that came up during the week, to touch base with one another, and to continue to discuss the mathematics of SET. Please let me know if a health problem forces you to miss too many classes.

**Discussions**

**and Activities:** In between our weekly meetings there will be short activities for you to work on. I will typically ask you to post your results to a Canvas discussion board so everyone can see what ideas and results you have come up with. Collaboration is key in mathematics, so we want to be sure to share any results we have with one another!

**Final grades** Final grades will be assigned according to:

A :100% – 93	C+:79 – 77
A-: 92 – 90	C :76 – 73
B+:89 – 87	C-:72 – 70

B :86 - 83  
B-: 82 - 80

D+:69 - 67  
D :66 - 63  
D- :62 - 60