

Math 407 Winter 2015
Mathematics Honors Seminar (Upper Division)
Meeting times: Thursday, 12:00-11:00 in Hertz 104

Instructor: Dr. Dominic Klyve

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Office Hours: Every day 10-11. I'm also around other times quite a bit, so stop by! If you'd like, you can also make an appointment, and we'll find a time that works for both of us.

Description of Course: The Mathematics Honors Seminars at Central Washington University give students a chance to learn and apply mathematics beyond what is taught in most courses. We will learn new fields, study their history, and learn to access modern research in mathematics. We will also practice our skills in speaking about and writing about mathematics. Each class takes as its focus at least one mathematical topic and at least one particular skill. Our focus this term will be on:

Mathematical topic: Complex Networks

Extra skills: Asking novel problems, applying mathematical ideas to other fields.

Required Text:

Graph Theory and Complex Networks: an introduction, by Maarten van Steen.

The graph is freely downloadable at

<http://www.distributed-systems.net/index.php?id=graph-theory-and-complex-networks>
(or via a simple Google search).

What will happen in the course: For the most part, classes will combine a little bit of lecture with a lot of discussion of the material in the readings. Much of the class will involve you sharing with your classmates and your instructor what you've been working on or thinking about during the week.

Evaluation and Grading:

Evaluation will be done primarily on your effort in this class. Attend regularly and work hard – you'll become a better mathematician, and you'll earn a good grade!

Students with disabilities who wish to set up academic adjustments in this class should confirm with me that I have received a copy of their "Confirmation of Eligibility for Academic Adjustments" from the Center for Disability Services as soon as possible so we can discuss how the approved adjustments will be implemented in class. Students without this form should contact the Center for Disability Services, Bouillon 205 or dssrecept@cwu.edu or 963-2171.

I reserve the right to change the policies contained in this syllabus as dictated by developments during the quarter.