

Welcome to Math 207 – Project Euler! – Winter 2018

11:00 - 11:50 Th in Bouillon 103

Project Euler! I heard about it some years before I finally opened it. One day I proctored a computer lab for a friend's class, and while I was stuck there, I opened up the Project Euler website and solved the first, second, third, fourth problems (!!!) using MATLAB. Later that day, when I got home, I didn't want to stop, but I didn't have MATLAB installed at home. BUT! I had been meaning to learn Python for a while. 30 minutes later after installation and opening the Python Tutorial, I was off and running on Problem 5.

This course is an introduction to Project Euler problems and programming in Python. Project Euler is a neat interface of mathematical challenges that can be solved by programming. Sometimes mathematical knowledge helps too! Dr. Klyve and Dr. Linhart both enjoy working Project Euler problems for fun. Dr. Linhart has solved about 50, and Dr. Klyve has solved over 100.

Instructor: Dr. Jean Marie Linhart

Phone: (509) 963-2123 (I prefer email)

Webpages: (course) <http://canvas.cwu.edu>
(me) <http://www.cwu.edu/math/jean-marie-linhart>

Office: Bouillon 119

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Office Hours: MTWTh 9-9:50 am
and by appointment

The best ways to contact me are email, Canvas message, and office hours. If there's something I need to remember for later PLEASE put it in email or Canvas message! If I don't reply within 24 hours over a business day, please contact me again. While I strive to be responsive and prompt to questions, sometimes things get put off for later and unintentionally forgotten.

Grades: Your final grade is based on

Solved Project Euler Problems	40%	Goal to be determined in week 4-5
Attendance	30%	This includes the final exam period
Reflections	20%	Five 150 word reflections about your progress
Presentation or Problem write-up	10%	

	87 – 89.9 : B+	77 – 79.9 : C+	67 – 69.9 : D+	below 60 : F
93 – 100 : A	83 – 86.9 : B	73 – 76.9 : C	63 – 66.9 : D	
90 – 92.9 : A–	80 – 82.9 : B–	70 – 72.9 : C–	60 – 62.9 : D–	

I expect everyone, including beginning programmers, to solve at least 6 Project Euler problems over the course of the quarter.

If you are stuck because your code won't run and you can't figure out why (I assume you've been trying for at least 15-30 minutes already) contact Dr. Linhart (by email if needed) immediately. Email me your Python code. I can and WILL fix problems in ≤ 5 minutes that will take your hours to solve.

Text: None

Laptop: You can use the computers in the BOU 103 lab, but you may also want to have the use of a your own laptop for the duration of this course. On your laptop install:

Anaconda for Python 2.7; see <http://www.anaconda.com/download>.

Make sure your course files (for this and other courses!) are backed up in case your laptop or USB drive gets broken or goes missing. You can upload files to Canvas as a backup. I use Dropbox and MacOS's Time Machine, but there are other options like Google Drive. With my files in a Dropbox folder, they are saved on the cloud at the same time I save them to my own computer.

Students with Disabilities: I am happy to work with students with disabilities. To set up academic adjustments in this class, you should give me or email me a copy of your *Confirmation of Eligibility for Academic Adjustments* from the Disability Support Services Office. **You must also come see me in office hours or make an appointment to come see me as soon as possible so we can discuss how the approved adjustments will be implemented in this class.** Students without this form should contact the Disability Support Services Office, Bouillon 140 or dssrecept@cwu.edu or (509) 963-2171. **Testing requests with testing services must be submitted at least 48 hours before an exam is given, or you will have to take the exam with the rest of the class.**

This syllabus is subject to modification as dictated by developments during the quarter. Students will be notified of changes in class and on Canvas.

Important Dates

January 3 – classes begin

January 9 – change of schedule period ends

Jan 15 – MLK Day, no class

Feb 16 – uncontested withdrawal period deadline

Feb 19 – President's Day, no class

March 9 – hardship withdrawal petition deadline

March 14 – Wednesday, 10:00 am, final exam period