SEATTLE CENTRAL COMMUNITY COLLEGE

Division of Science and Mathematics

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MAT107

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Prerequisites: This course has a prerequisite of either a 2.0 in MAT098 or an appropriate score on the math placement exam in the last three years. Significant writing is required throughout this course. If you have not finished ENG101 with a 2.0 or higher (ENG102 is highly recommended), then you will need to get extra help with editing your forum posts and your final paper.

Textbooks: *Fermat's Enigma* by Simon Singh (You can get this at local bookstores or online for under $20); *History of Math for the Liberal Arts* by Lawrence Morales. The Singh book should available at the SCCC bookstore and easily be found online as well. My text will be available electronically if you have a laser printer at home or at work. This text is free!

Required Materials: A scientific calculator, straightedge (ruler), e−mail access, internet access using A RECENT browser, access to a digital camera or scanner, a computer with an internet connection, a binder, loose leaf paper, and plenty of sharp pencils.

Course Description: This course is a terminal mathematics course for liberal arts majors. A variety of topics will be covered in a mathematical and historical context. All material and interaction will take place over the Internet. Students will access course materials, assignments, class discussion boards, announcements and other information from the course web site.

Course Goals:

- Students should gain a better understand of mathematics as a human endeavor that has evolved through the centuries.
- Students should see that cultural and socioeconomic factors have influenced the development of mathematics.
- Student should gain a greater understanding of common topics such as algebra, equations, geometry, and logarithms through an examination of their historical development.
- Students should have exposure to new topics in mathematics that they may have not seen before.
- Students should use the intermediate algebra prerequisite skills in the course.

Methods of Instruction: The primary mode of instruction will be online. Students will be expected to read through assignments in the textbooks as well as any supplemental material posted to the website about various topics in the course. Students will then be expected to use those materials to complete assignments as well as participate in online class discussion, among other things. Online support is available in Forums and the instructor checks them every business day.

Course Content: The focus of this section of MAT107 Online will be the history of mathematics. We will do plenty of mathematics, using techniques you should already be familiar with, and developing new ones as well. The planned set of topics will be published on the web site once the quarter begins.

Student Assignments: We will have six or seven topics to cover. The class web site has a calendar that will be updated regularly throughout the quarter. Please pay close attention to the calendar on a regular basis for updates. Each student will be given 10 Late Passes for the course. Each late pass will extend the deadline for a Reading Assignment or Online Homework by 24 hours. They MUST be used online BEFORE the due date/time passes. Late Passes cannot be used on any Forum posts or replies…this is a limitation of WAMAP, not the instructor's choice. Unused Late Passes do NOT provide extra credit.

Topic Assignments: Each topic will have the following components.

- *Reading Assignment:* These are questions you answer via WAMAP to insure you have read the topic material needed to do the homework. There are also questions based on course readings.
- *Online Homework*: These are problems you submit via WAMAP that are graded automatically.
- *Online Participation*: Every topic will include requirements to post your responses to questions and to other students on the class web site. Please pay close attention to due dates assigned to these posts.
- *Project Progress*: Most topics will include a component of progress on your course research project (see below). These milestones are designed to help you to get the project started and done rather than putting it off until the last minute. They will count as part of your participation score.

Research Project

Each person will be responsible for a final project that will be assembled throughout the quarter. More details are provided on the web site. This is the largest part of your grade, so it is important that you do ALL the updates along the way. If you put this off to the end of the term, do not follow the guidelines, or turn in a project with poor writing, it may negatively affect your course grade. You must follow the guidelines contained in the Project Information/Details Document (available on WAMAP). Also you MUST download and use the Project Stencil to create and submit this project. Failure to use the Stencil may cause your project to be rejected for grading.

Final Homework Set

The final homework assignment takes the place of a traditional Final Exam. The final homework assignment has problems from all of the previous assignments and behaves a little differently than the rest of the homework assignments. Please read the direction carefully when you get to it. At the end of the quarter, you will have SEVEN homework scores…one for each topic and one for the final homework set. I will drop the LOWEST percentage of those seven to get your final Homework percent, which will be used in the final course weighted grade. (Note: If you are happy with your homework percent for the first six topics, you can choose to NOT do the final homework set, and that score, a 0, will be the one dropped.)

Other assignments may be given at the discretion of the instructor. For example, I may assign a syllabus quiz or a Project reading assignment as part of the Reading Questions or Forum and Project Updates scores.

Course Policies:

Grades:

The course grade will be determined by assigning the following approximate weights to each of the following categories. (These weights may be adjusted at the discretion of the instructor.)

Online Homework:	30%
Reading Questions	15%
Forum and Project Updates	15%
Project	40%

Numeric grades are computed with a linear formula that will be determined at the end of the quarter. A 75% guarantees a 2.0 and a 95% guarantees a 4.0. (All other grades are assigned with a linear formula with these two points determining its equation) If you want a grade of **I** (Incomplete), it is

up to you to make sure you meet the college deadlines for requesting these grades. Incomplete's will only be given under circumstances described in the college catalog. If you stop participating in the class, you will *not* be automatically dropped from the course and you'll receive a 0.0 as a grade. It is *your* responsibility to make sure that you are properly enrolled or de-enrolled in the course. I do not give **NC** grades…withdraw you do not intend to finish the course.

Late Assignments and Makeup Work

- Late homework and assignments will not be accepted without a Late Pass that is properly used.
- Postings to forums will not count if not posted by the given deadlines.

Participation and Motivation:

There is a widespread myth that online courses are easier than traditional courses. On the contrary, research shows that these courses can be more difficult than traditional courses because they require motivation, persistence, and independence on the part of students. You must not fall behind in any way on this course or it will be hard to catch up again. (I suggest you log in to the course web site once a day for important announcements.) For a traditional 5–credit quarter class, you can usually count on at an average of 10 hours of work outside of class to do well. Hence, 15 hours a week for a course is not considered an unreasonable amount of work. This course is no exception. Expect this course to demand about this much time per week, maybe more while you adjust to the technology or as you adjust to the demands of reading mathematics material on your own and then trying to apply that without the aid of a lecture.

Plagiarism:

Plagiarism in any form will not be tolerated. Do NOT under any circumstances copy and paste work form web sites, books, articles, etc. and present it as your own without properly citing the source. It is very easy for me to find this and if I do, you will be reported to the Vice President of Student Affairs and receive a 0 on the assignment and perhaps fail the course.

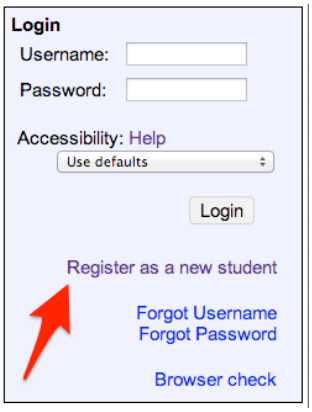
Americans with Disability Act: Students with *documented* disabilities who need course accommodations, have emergency medical information or require special arrangements for building evacuation should contact the instructor within the first two weeks of class.

The instructor reserves the right to make changes to this syllabus if circumstances warrant such change. All changes will be provided to students in writing.

Creating a WAMAP.org Account for MATH107
(For Fall/Winter/Spring Qtrs, NOT Summer Qtr)

IF YOU HAVE A CURRENT WAMAP ACCOUNT:

If you already have an existing WAMAP account, you can use that username and password instead of creating a new one. Log into your account and then look for the "Enroll in a New Class" button on your WAMAP home page. Use the Course ID and Enrollment Key in Step 4 below to enroll for our WAMAP MATH080 course.



*IF YOU DO **NOT** HAVE A CURRENT WAMAP ACCOUNT:*

1) Go to http://wamap.org

2) Click on the "Register as a new student" and you will be taken to the "New User Signup" page. Using WAMAP is free. ☺

3) Choose a username and password and enter your full name as it appears on your college/university records. Please be sure to include a valid email address.

4) At the bottom of this page, enter the **Course ID** and **Enrollment Key** for the course(s) you are taking:
   - Course ID = **3060** **(THIS WILL NOT WORK FOR SUMMER…SEE NEXT PAGE)**
   - Enrollment Key = **107**

5.) Click the "Sign Up" button at the bottom.

4) Go back to the login page of wamap.org and enter your username and password and click the "Login" button. This should take you to your WAMAP home page.

6) Back on the WAMAP main page, you should see a link to any course you are taking…click that link to enter the course site. That's it!

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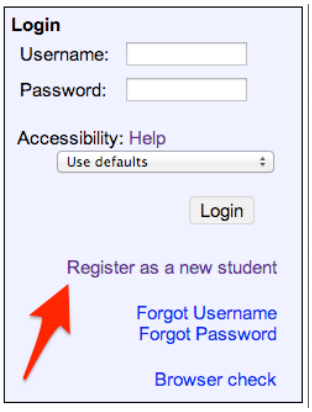

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3) Choose a username and password and enter your full name as it appears on your college/university records. Please be sure to include a valid email address.

4) At the bottom of this page, enter the **Course ID** and **Enrollment Key** for the course(s) you are taking:
   - Course ID = **10021** **(THIS IS FOR SUMMER TERM ONLY)**
   - Enrollment Key = **107summer**

5.) Click the "Sign Up" button at the bottom.

4) Go back to the login page of wamap.org and enter your username and password and click the "Login" button. This should take you to your WAMAP home page.

6) Back on the WAMAP main page, you should see a link to any course you are taking…click that link to enter the course site. That's it!