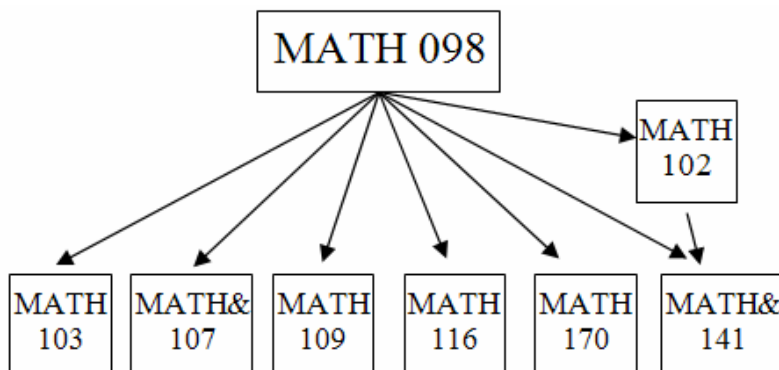


Where Are You Going After MATH 098 ?



MATH& 107: Math in Society (Formerly MAT 107 at SCCC)

Course Details

Q Course at SCCC? Yes!

Transfers to the UW? Yes, as Math 107

Prerequisites: 2.0 in MATH 098

Themes and Instructors

Summer 2008

History of Math *Online* (Morales)

Fall 2008

The Mathematics of Voting (Perkins)

Winter 2009

Topic to be determined

Spring 2009

CSP: 6 Billion and Counting (Langkamp/Hull)

• History of Math

A 5-credit course intended for Liberal Arts students, prospective teachers, and others who like math and history. This course focuses on the historical and cultural development of mathematics (China, Egypt, Mesopotamia, Greece and S. America). Topics may include number systems, solving equations, network theory, number and group theory, and introductory calculus.

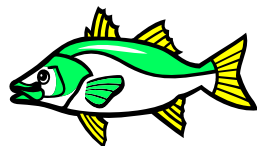


• Math of Elections

A 5-credit course intended for Liberal Arts students and interested citizens alike. This course focuses on election procedures and fairness criteria, voting paradoxes and impossibility theorems, manipulability of voting systems, weighted voting systems and power indices, and the Electoral College. Other topics as time and interest allow. Eligibility for ENG 101 strongly recommended.



• Six Billion People and Counting (CSP)



This **10-credit** CSP examines environmental issues from around the world using basic college mathematics to analyze data and make informed decisions. Links MATH& 107 with either Environmental Science (ENV 150, non-lab science) or Environmental Geology (GEOL 110, lab science). Many hands-on activities, group projects, and two field excursions. For science and non-science students alike.

MATH 102: Bridge-the-Gap College Algebra

A Bridge-the-Gap course for future precalculus students needing to strengthen and broaden their college algebra and problem solving skills. Topics include equations, inequalities, graphs, exponential and logarithmic functions, functions, systems and problem solving. MATH 102 with a 2.0 will satisfy the prerequisite for Precalculus I (MATH& 141).



Q Course at SCCC? Yes!

Transfers to the UW? Yes, as 1XX

Prerequisites: 2.0 in MATH 098

Offered: Fall, Winter, Spring

MATH 103: Geometry and Visualization - Not scheduled to be offered next year.

MATH 170:

Math for Elementary School Teachers

Q Course at SCCC? Yes!

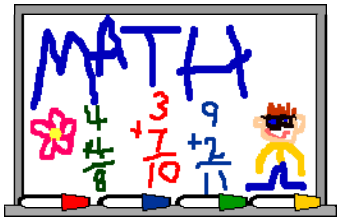
Transfers to the UW? Yes, as Math 170

Prerequisites: 2.0 in MATH 098

Offered: Fall, Winter, Spring

Intended for: current or future elementary school teachers.

Explores math taught at the K-8 levels: problem solving, number sense, arithmetic operations, and algebraic thinking. Activities easily adaptable to K-8 levels, align with Washington State Essential Academic Learning Requirements (EALR) and NCTM Standards. The follow-up course is MATH 171.



MATH 116:

Applications of Mathematics to Business and Life Sciences

Q Course at SCCC? Yes!

Transfers to the UW? Yes, as Math 111

Prerequisites: 2.5 in MATH 098

Offered: Fall and Winter quarters only

Intended for: Students majoring in business, economics, and the life sciences.

This course explores financial calculations including amortization/depreciation, and annuities; analyzes data for understanding past and future trends; explores principles of probability and investigates optimizing calculations applied to product performance and financial decision-making. The follow-up course is Business Calculus MATH& 148 (formerly MAT117) which is offered Winter and Spring. Required co-enrollment in MATH 298B and significant team work outside of class.



MATH& 141 Precalculus I

Formerly MAT 122 at SCCC

Q Course at SCCC? Yes!

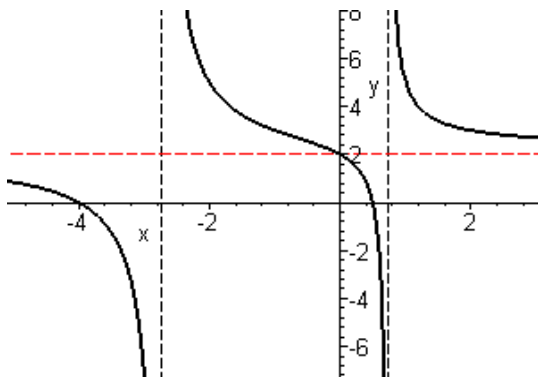
Transfers to the UW? Yes, as Math 1XX

Prerequisites: 2.5 in MATH 098 OR 2.0 in MATH 102

Offered: Every quarter

Intended for: students majoring in math, science, and engineering fields, or any program requiring calculus.

Description: This is the first of a 2 course sequence in Precalculus. It is followed by MATH& 142 (Trig) which transfers to the UW as Math 120. Course topics include an extensive study of families of functions, such as polynomial, rational, logarithmic, and exponential.



MATH 109: Statistics

Q Course at SCCC? Yes!

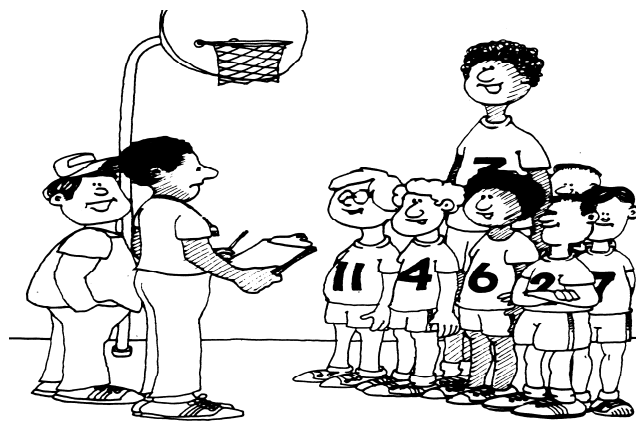
Transfers to the UW? Yes, as Stat 220

Prerequisites: 2.5 in MATH 098

Offered: Every quarter, sometimes online

Intended for: all students needing an introductory course in statistics.

Description: This course aims to give students a basic understanding of descriptive and inferential statistics, and helps develop skills for working with data. The use of a statistical technology is taught in class, if required.



"Should we scare the opposition by announcing our mean height or lull them by announcing our median height?"