Welcome to the STAT/QSCI 403 syllabus page. Of course, as in 2020 the course will be given online. Students are strongly encouraged to participate synchronously, but this is not required: all zoom classes will be recorded. Some participation will be required, in Discussion if not during class times. Students are also required to work with other members of their project groups, and to participate in project presentations towards the end of the quarter.

This is a course in Monte Carlo, Sampling, and Resampling methods, including Bootstrap methods. Examples will be drawn primarily from the biological sciences. The R Lab sessions are an important part of the course: you will not be able to complete the homework assignments without taking the lab session seriously. It is currently planned that the lab session will usually be in the MONDAY class, with the double Wednesday class, and the Friday class focusing on lectures and other examples. [The first week is an exception.)

The course is intended as a senior-level elective for students in Statistics, ACMS, and in the Quantitative Sciences. Statistics at the level of QSCI 381, STAT 390 or STAT 341 will be assumed. Additionally knowledge of RStudio and Latex at the level of STAT302 will be assumed. The use of R Markdown is STRONGLY RECOMMENDED for homeworks submissions (But for those who really prefer otherwise, LaTex and R-code will suffice.)

It makes no difference whether you sign up as STAT403 or QSCI 403. Add codes will not be considered until both sections are full.

(Qualified students who are interested may request entry. Interested students may email me at eathomp@uw.edu -- please use or provide your UW email ID. I will not respond to unidentifiable gmail or other addresses.)

Unfortunately the class is oversubscribed: at this point add codes can be given only in exceptional circumstances: for example, graduating seniors in certain majors.