Physics 515 - Data Analysis Techniques   Fall 2013

Course website   http://coursespaces.uvic.ca
Assignments and notes will be posted and completed assignments are to be uploaded to this website.

Instructors
Dean Karlen	Ell 217	karlen@uvic.ca
Andrew Jirasek	Ell 109	jirasek@uvic.ca
Chris Pritchet	Ell 215	pritchet@uvic.ca

Lecture schedule
Wednesdays	1:30-3:00	Ell 161
Fridays	12:30-2:00	Ell 161

Textbooks   A Coursepack is available at the bookstore for the first part of this course.

Course description   An advanced course in data analysis for the physical sciences. The lectures cover probability theory, Monte Carlo methods, statistical analysis techniques, deconvolution, and signal and image processing.

Grading   There will be several assignments and a mid-term exam. The final grade is determined as follows:

assignments	75%
exam	25%

The letter grades are obtained by converting the numerical scores using the conversion table below.

F	D	C	C+	B-	B	B+	A-	A	A+
0-49	50-59	60-64	65-69	70-72	73-76	77-79	80-84	85-89	90-100

Calculator   For the exam, the departmental policy will be followed: On all examinations the only acceptable calculator is the Sharp EL-510R. This calculator can be bought in the Bookstore for about $10. DO NOT bring any other calculator to examinations.

Programming   The assignments for the first part of the course will require programming in one of: C++, Java, Python, or MATLAB. Other assignments will require programming in MATLAB. You will need to submit your code with your assignments.