

# EPBI 414

## Course outline

Date	Class Topic
Aug. 25	Introductions; UNIX accounts, logging on; downloading
27	UNIX directories; UNIX commands
Sep. 1	NO CLASS- Labor Day
3	Using UNIX editors (joe, vi)
8	More UNIX commands
10	Into to SAS; submitting programs 'SAS'; downloading data from public sources
15	Combining 2 (or more) SAS data sets: Same obs/diff. vars or diff. obs/same vars? concatenating vs. interleaving vs. merge vs. match merge; proc sort
17	Basic data management w/SAS and programming (e.g. if-then, else-if-then, data transformations)
22	Basic statistical analysis- proc: Means, Univariate, Freq
24	Procs (con't)- Plot; chart; adding information to datasets and output (labels, titles, axes)
29	Intermediate analyses: Bivariate relationships- numeric & categorical variables SAS
Oct. 1	Using SAS/ASSIST- entering data; editing data; creating new variables
6	(guest instructor) SAS/ASSIST- creating reports and bar charts
8	SAS/ASSIST- Analyzing data (MID-TERM DISTRIBUTED)
13	SAS/ASSIST- Analyzing data (con't)
15	Getting online help; review of SAS concepts; specific questions; MIDTERM EXAM DUE
20	NO CLASS- Fall break
22	MID-TERM REVIEW
27	S-PLUS Introduction
29	Command line syntax – operators, assignments
Nov. 3	Data objects, merging data – matrices, arrays, data frames, lists
5	Data importing/exporting
10	Statistical modeling, graphing – regression, etc
12	Basic programming – for and while loops, etc
17	Menu driven components
19	Menu driven components
24	Menu driven components
26	SPSS
Dec. 1	SPSS
3	Final Class; Class Review/Q&A; Final exam distributed; Dept. Course eval.
10	Final Exams due
19	Grades Due

- This is an outline of the course and is subject to change based upon class needs