

# STATISTICS MAJOR REMINDERS and Notes

March 24, 2015

**READ THIS BEFORE YOU FILL OUT YOUR ONLINE F15 STATISTICS TELE-BEARS ADVISING WORKSHEET**

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## MAJOR REQUIREMENTS – ALL MUST BE TAKEN FOR A LETTER GRADE

- THREE CORE STAT COURSES: Stat 133, 134, 135 (or graduate-level equivalents with Faculty Advisor Approval)
- THREE\* 15x-level courses, at least ONE of which needs to be a LAB course
- THREE\* Applied Cluster Courses – as a reminder, Stat courses CANNOT be used as Applied Cluster Courses and all Applied Cluster Courses must be UPPER DIVISION

\* EXCEPT for the Teaching Track, which requires TWO 15x-level courses (at least ONE must be a lab) and FOUR Math Cluster Courses: Math 110, 113, 151 and either Math 152 or Math 153.

## USING GRADUATE COURSES – Faculty Advisor Approval Required

REFER TO FAQs <http://statistics.berkeley.edu/programs/undergrad/major/faq#TakingGradCourses> re: using graduate-level Stat courses to fulfill Stat course requirements. NOTE: Graduate-level Statistics courses (including Cross-listed Graduate Courses) cannot be used as Applied Cluster Courses. If you are interested in using graduate courses in lieu of 15x-level courses, you must obtain approval from the Undergraduate Faculty Advisor, Prof. Adhikari, so she can make sure there is not too much duplication in your Program Plan and that you have the adequate background to succeed in the courses. Also be aware that instructor approval is needed for all graduate level courses.

## MINIMUM GPA

In order to remain in good academic standing with the major, you must maintain at least 2.0 major GPA (including lower division), and at least a 2.0 upper division major GPA. All students need to maintain an overall GPA of at least a 2.0. Failure to meet these requirements may result in academic probation placed by either the Statistics Department and/or the College of Letters & Science. Students who fail to increase their major GPA after one semester on probation or are having difficulty making progress (for example, needing to repeat multiple Statistics courses) may be dropped from the Statistics major.

## ACADEMIC DIFFICULTY

If you are experiencing academic difficulty, please schedule an appointment with Denise ([dyee@berkeley.edu](mailto:dyee@berkeley.edu) | 510-643-6131) or even an advisor in the College of Letters & Science (206 Evans Hall). We would like to assist you. Do not just submit your worksheet and expect an Advisor Code without speaking with an advisor.

## PRE-APPROVED APPLIED CLUSTER COURSE LIST

<http://statistics.berkeley.edu/programs/undergrad/approved-cluster-courses>

Students can select cluster courses from a comprehensive list of approved courses. Download here:

[http://statistics.berkeley.edu/sites/default/files/pages/docs/appliedclustercoursesv513\\_0.pdf](http://statistics.berkeley.edu/sites/default/files/pages/docs/appliedclustercoursesv513_0.pdf). If you have at least 2 courses from the same department and all three are on the approved list, you can simply submit the new cluster on your Tele-BEARS Advising Worksheet.

Students who want to propose a new cluster that includes 3 courses from 3 different departments must obtain approval for the change from the Undergraduate Faculty Advisor. Go the Special Advising Hours for Declared Majors with Prof. Adhikari 3/30, 3/31, or 4/1 and bring a print-out of the [Online F15 StatisticsTele-BEARS Advising Worksheet](#) and your transcript.

## REQUESTING APPROVAL OF APPLIED CLUSTER COURSES NOT ON PRE-APPROVED LIST

Courses not on the list, including Special Topics courses (e.g. UGBA 137), graduate courses from other departments, or new courses that were only recently added to the Berkeley Guide, must be evaluated by our Teaching Committee and must satisfy all general Cluster Course Criteria (see: <http://statistics.berkeley.edu/programs/undergrad/approved-cluster-courses> for general criteria). See Denise for instructions on how to request evaluation of a course not on the pre-approved cluster list.

## REGISTERING FOR STAT MAJOR COURSES – PHASE I

Register for Statistics Courses in Phase I. You are a Statistics major and should prioritize Stat courses by registering for them in Phase I. Due to the number of majors, it can be challenging to accommodate all majors in the most popular courses (especially 151A, 153, 154, 155, 157, and 159), even though reserve seats for Statistics majors. Many courses will fill by the end of Phase I. Graduating seniors on Waiting Lists will receive priority as space becomes available in the 15x-level courses but this still does not guarantee enrollment because we could potentially have a whole class filled with seniors and more on the waiting list. Only sign up for courses you truly wish to take. Drop courses you no longer wish to take as soon as possible. There will be other students trying to get into Stat courses.

## SUMMER 2015 SCHEDULE

Stat 133, 134, 135, 154, and 155 are offered in SUM15. You may enroll through Tele-BEARS and no Advisor Code is necessary for summer. Space is on a first come, first served basis.

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## Fall 2015 Upper Division Statistics Courses

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We are offering Stat 133 (2 Lects), 134 (2 Lects), 135 (2 Lects), 150, 151A, 153 (2 Lects), 154, 155, 157, and 159 in Fall 2015. See the [Online Schedule of Classes \(schedule.berkeley.edu\)](http://schedule.berkeley.edu) for the instructors and schedules.

- Stat 133 and 134 will have an additional hour of lab/discussion though the unit values will remain the same.
  - We do not yet know who will teach Stat 133 or one lecture of 134.
  - Stat 159 is a newly approved course on Reproducible and Collaborative Statistical Data Science.
    - The course is based on the Stat 157 that was offered in Fall 2013 and Fall 2014 (on the same topic).
    - It will be a 4-unit lab course which can be used to fulfill the Statistics Lab Elective.
    - The course will be taught by a graduate student, Jarrod Millman, but he is not officially listed.
    - Stat 159 will be a joint class with Stat 259. The lectures will be the same but some of the work required of the grad students taking 259 will be slightly different than that required of the undergrads taking Stat 159.
    - The course is not in the Schedule of Classes (we are still confirming the time with the grad program whose students would be taking 259). However, it is TENTATIVELY scheduled for TTh 9:30-11am Lec and Monday labs (Lab 101 10-12pm and Lab 102 12-2pm). Once we have confirmation about the time, the course will be posted on the Online Schedule of Classes.
  - Fall 2015 Stat 157 TOPIC: "Statistics and Finance." Pre-requisites: Stat 133, 134, and 135. These are pre-requisites, not co-requisites; you must have completed these courses *before* taking this course. The aim of the class is to introduce modern statistical techniques to students, by looking at applications in Finance. Students will learn about central ideas in Financial Engineering (time series, factor models, CAPM, option pricing, quantitative risk management, ...) and will learn to look at them (and the corresponding data) with a statistician's eye. This is a seminar course. Space is limited and the enrollment limit will not be increased.
  - Students do NOT enroll in the supplemental sections for Stat 150, or Stat 155. These are *supplemental* and not formal discussion sections. However, students enrolled in these courses are strongly encouraged to attend, as they will likely be helpful so you should account for the supplemental section in your schedule.
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