STATISTICS

To: Senate Executive Committee

From: E. James Harner, Chair

Re: Proposal for a Revised Minor in Statistics

Previous listing in “Academic Minors at West Virginia University” Document

2000-01 copy with old numbers:

Statistics: STAT 261 or 361, and 12 additional hours selected from STAT 201, 212, 213, 231, 262 or 362, 341. A grade of "C" or above in all courses counted toward the minor is required. MATH 16 is a prerequisite for STAT 261. MATH 17 is a prerequisite for STAT 361. Minor Code: U034

Conversion of previous copy to new numbers:

Statistics: STAT 461 or 661, and 12 additional hours selected from STAT 215, 312, 313, 421, 331, 462 or 662, 541. A grade of "C" or above in all courses counted toward the minor is required. MATH 156 is a prerequisite for STAT 461. MATH 251 is a prerequisite for STAT 661. Minor Code: U034

Proposed New Copy:
(Using new numbers)

Statistics: Students may choose from two minor tracks. A grade of "C" or higher in each course counted toward the minor is required. MATH 156 is a prerequisite for STAT 215. MATH 251 is a prerequisite for STAT 461. Mathematical Statistics Track: STAT 215 and 461, and nine hours from STAT 217, 312, 313, 316, 331, 421, 445, 462. Applied Statistics Track: STAT 211 or 215, and twelve hours from STAT 217, 312, 313, 316, 331, 421, 445, 461, 462. Completion of either track will be posted as a minor in Statistics. Minor Code: U034

Rationale:
Currently, the Minor in Statistics is close to the proposed Mathematical track. Students had to take Stat 461 (Theory of Probability). This proposed change would open this minor to a much larger number of students (by using the Applied Track) who do not have the background for Stat 461 (or Stat 215).

Previously, a 500-level course (Stat 541) was part of the list of courses in the second item above for the old minor. This was dropped (along with Stat 661 and 662) and replaced by two new undergraduate courses, Stat 217 (Industrial
Statistics) and Stat 316 (Forensic Statistics). Thus we now have a minor based only on undergraduate courses.

This proposal was submitted previously as two Statistics minors. In order to have a single minor in Statistics, this proposal combines the previously proposed minors into a single minor with two tracks. This arrangement is parallel to previously approved minor tracks in mathematics.