**STATISTICS Minor**

Name: ____________________________  CSUID: ____________________________  (STAQ)

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Program Coordinator: Katy Koehler  102 Statistics  Phone: 491-5269  E-mail: koehler@stat.colostate.edu

**REQUIRED COURSES -- One course from EACH of A, B, and D; BOTH courses in C. Must take 6 Elective credits from list provided or approved by Undergraduate Advisor in Statistics.**

Students in the biological sciences should take STAT 307 or ERHS 307 from A. Students in the social sciences should take STAT311 in A. Students with a calculus background should take STAT 315 from A. Everyone else should take STAT301. Students interested in statistical theory and methods should take STAT 420 from B and STAT 430 from D.

**GROUP A (Select one):**

- STAT 301 Intro to Statistical Methods (3 CR)
- STAT/ERHS 307 Introduction to Biostatistics (3 CR)
- STAT 311 Statistics for Behavioral Sciences I (3 CR)
- STAT 315 Statistics for Engineers and Scientists (3 CR)

**GROUP B (Select one)**

- STAT 321 Elem. Probabilistic-Stochastic Modeling (S) (3 CR)
- STAT 420 Probability & Mathematical Statistics I (F) (3 CR)

**GROUP C (Must take BOTH courses)**

- STAT 340 Multiple Regression Analysis (S) (3 CR)
- STAT 350 Design of Experiments (F) (3 CR)

**GROUP D (Select one):**

- STAT 305 Sampling Techniques (F) (3 CR)
- STAT 430 Probability & Mathematical Statistics II (S) (3 CR)
- STAT 460 Applied Multivariate Analysis (S) (3 CR)

**ELECTIVE COURSES -- This is not meant to be an all-inclusive listing of elective courses. The electives shown below represent a portion of those courses at the 300-400 level which are offered by other departments and which are acceptable in meeting the minor in Statistics. It is recommended that courses not listed below be pre-approved for acceptability by the Undergraduate Advisor in Statistics.**

- ECON 335 Intro to Econometrics (3 CR)
- ECON 435 Economic Forecasting (3 CR)
- ECE 311 Linear System Analysis I (3 CR)
- ECE 312 Linear System Analysis II (3 CR)
- MATH 369 Linear Algebra (3 CR)
- MATH 435 Projects in Applied Mathematics (3 CR)
- MATH 450 Intro to Numerical Analysis I (3 CR)
- MATH 451 Intro to Numerical Analysis II (3 CR)
- MECH 417 Control Systems (3 CR)
- MGT 301 Supply Chain Management (3 CR)
- MGT 475 Int'l Business Management (1 CR)
- NR 421 Natural Resources Sampling (3 CR)
- NR 422 CIS Applications in Natural Resource Management (4 CR)
- PSY 317 Social Psychology Lab (2 CR)
- PSY 370 Psychological Measurement/Testing (3 CR)
- PSY 371 Psychological Measurement/Testing Lab (1 CR)
- SOCR 414 Agricultural Experimental Design (3 CR)
- STAT 305 Sampling Techniques* (F) (3 CR)
- STAT 321 Elementary Probabilistic-Stochastic Modeling** (S) (3 CR)
- STAT 312 Statistics for Behavioral Sciences II (3 CR)
- STAT 372 Data Analysis/Database Management Tools (F) (3 CR)
- STAT 420 Probability & Mathematical Statistics I** (F) (3 CR)
- STAT 430 Probability & Mathematical Statistics II* (S) (3 CR)
- STAT 460 Applied Multivariate Analysis* (S) (3 CR)
- STAT 472 Statistical Consulting (S) (3 CR)

* If not used as a Group D Course
** If not used as a Group B Course

**GRADUATION REQUIREMENTS (21 credits minimum)**

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<th>Course</th>
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<td>Total REQUIRED Credits</td>
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<td>Total ELECTIVE Credits</td>
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<td>Total STATISTICS Credits</td>
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<td>Total UPPER-DIVISION Credits</td>
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**NOTE:** Minimum grade of C must be obtained in REQUIRED courses. In accordance with University requirements, at least 12 credits must be in courses offered by the Statistics Department and at least 12 credits must be numbered 300 or higher. Any deviations from the requirements must be proposed in writing by the student and approved by the Statistics Undergraduate Advisor or the Statistics Department Chairperson.

All 500-600 level courses in Statistics/Other Pre-Approved

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REVISED 01/16/14