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| **Course title:**  Intro to Statistics  Level I/ need another crs | **Recommended Course Number:**  161 |
| **Recommended Credit Hours:** 3 | **Recommended Course Prerequisites and/or Co-requisites:**  Basic Algebra/ Intermediate algebra too much? |
| **Next Course in Sequence:**  Stats II |

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| **Purpose of Course:**  Literacy  Concept of Prob  Data Collection  Surveys  Citizenship  Prep for further Study  Support for Applied Programs |
| **Intended Audience:**  Business Adm  Forensics  Criminal Justice  Nursing  Human Services  Education  Engineering  All  Maybe not Construction |
| **Course Description:** |
| **Course Major Units:**   * Methods of data collection * Probability concepts * Graphing, tables, (understanding) * Distribution (discrete & normal continuous) * Calculating estimates of populations from a sample * Correlation & regression * Confidence Intervals |
| **Learning Outcomes:**   * Explain use of data collection and statistics as tools to reach reasonable conclusions * Analyze data and compute measures of center, variance, and position * Compute and interpret empirical and theoretical probabilities * Explain role of probability in statistics * Examine, analyze, and compare various sampling distributions for both discrete and continuous random variables * Describe and compute confidence levels * Perform hypothesis |
| **Comments:**  Name matters- how do we not scare off students? The word Stats or Statistics is scary to many Smiling Face with No Fill  Developmental stats or prerequisite instead?  Non-transferable stats topics put in QR course  There should be only one college level, transferable course.  Psychology majors, mental health, liberal studies  ECE? CUL?  Seems too broad  Do engineers need this?  At NM 200level course only (mostly) liberal studies students take it. List is close to what is currently taught.  How many units is this?  I samp or 2 samp? For what? Mean, prop, std. dev? |