Course Assessment Report - 4 Column

Great Basin College

Courses (MATH) - Statistics

Course Outcomes	Means of Assessment & Criteria / Tasks	Results	Action & Follow-Up
STAT 152- DU - Intro to Statistics - Statistics Basics, Sampling, Experimental Designs - Statistics Basics, Sampling, Experimental Designs. Organizing qualitative and quantitative data, graphs. **Next Assessment:** 2018-2019 **Start Date:** 06/23/2014 **Course Outcome Status:** Active	**Assessment Measure:** Test one **Assessment Measure Category:** Exam **Criterion:** 80% students with score above 60%	12/17/2014 - Average 82.7%, median 86.8% 43 attended, rate 95.6%; 2 students not 93.0% students score above 60% **Criterion Met:** Yes **Reporting Period:** 2013-2014	12/17/2014 - Comparing to the last spring, the average is 2.5% lower. Students are doing well. It appears no actions may need.
STAT 152- DU - Intro to Statistics - Measure of center, variation, boxplot - Measure of center, variation, boxplot **Next Assessment:** 2018-2019 **Start Date:** 06/23/2014 **Course Outcome Status:** Active	**Assessment Measure:** Test two **Assessment Measure Category:** Exam **Criterion:** 80% students with score above 60%	12/17/2014 - Average 83.4% , median 90.4% 44 attended, rate 97.8%; 1 student not 90.9% students score above 60% **Criterion Met:** Yes **Reporting Period:** 2013-2014	12/17/2014 - Comparing to the last spring, the average is 1.4% higher. Students are doing well. It appears no actions may need.
STAT 152- DU - Intro to Statistics - Probability basics, events, rules of probability, contingency tables, condition probability, the multiplication rule, independence. - Probability basics, events, rules of probability, contingency tables, condition probability, the multiplication rule, independence. **Next Assessment:** 2018-2019 **Start Date:** 06/23/2014 **Course Outcome Status:** Active	**Assessment Measure:** Test three **Assessment Measure Category:** Exam **Criterion:** 80% students with score above 60%	12/17/2014 - Average 83.9%, median 87% 43 attended, rate 95.6%; 2 students not 95.3% students score above 60% **Criterion Met:** Yes **Reporting Period:** 2013-2014	12/17/2014 - Comparing to the last spring, the average is 4.1% lower. Students are doing well. It appears not actions may need.
STAT 152- DU - Intro to Statistics - Discrete variables and probability distributions, mean and standard deviation of discrete random variable, binomial distribution. - Discrete variables and probability distributions, mean and standard deviation of discrete random variable, binomial distribution. **Next Assessment:** 2018-2019 **Start Date:**	**Assessment Measure:** Test four **Assessment Measure Category:** Exam **Criterion:** 75% students with score above 60%	12/17/2014 - Average 65%, median 65.1% 38 attended, 84.4%;7 students not 71.1% students score above 60% **Criterion Met:** No **Reporting Period:** 2013-2014	12/17/2014 - Comparing to the last spring, the average is the same. The probability part is a difficult part to learn. More effort needs to put in teaching this part.

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06/23/2014 **Course Outcome Status:** Active			
STAT 152- DU - Intro to Statistics - Hypothesis tests - Hypothesis tests for one population mean. Critical value approach, P-value approach, hypothesis tests with sigma known and with sigma unknown **Next Assessment:** 2018-2019 **Start Date:** 06/23/2014 **Course Outcome Status:** Active	**Assessment Measure:** Test nine **Assessment Measure Category:** Exam **Criterion:** 75% students with score above 60%	12/17/2014 - Average 74.5%, median 75.2% 35 attended, rate 77.8%; 10 students not 85.7% students score above 60% **Criterion Met:** Yes **Reporting Period:** 2013-2014	12/17/2014 - The average is 0.5% lower than that in last spring. Last spring, there were 80% students score above 60%. This spring, the rate of students scoring above 60% is 5.7% higher. It appears my effort takes effect. Keep the good work.
STAT 152- DU - Intro to Statistics - Analysis of variance, F-distribution, one-way ANOVA logic, one-way ANOVA precedure - Analysis of variance, F-distribution, one-way ANOVA logic, one-way ANOVA precedure **Next Assessment:** 2018-2019 **Start Date:** 06/23/2014 **Course Outcome Status:** Active	**Assessment Measure:** Test fifteen **Assessment Measure Category:** Exam **Criterion:** 75% students score above 60%	12/17/2014 - Average 82.8%, median 85.4%. 32 attended, rate 68.9%; 13 students not 96.9% scores above 60%. **Criterion Met:** Yes **Reporting Period:** 2013-2014	12/17/2014 - The average is 5.8% higher than that in last spring. Good work needs to be kept. **Follow-Up:** 12/17/2014 - A 7 A- 1 B+ 10 B 4 B- 1 C+ 1 C 6 C- 0 D+ 0 D 0 D- 0 F 6 W 9 Total 45 There are a total of forty five students in the class. The average grade is close to C+. Thirty students complete the class with C or above. The rate is 66.78%. The percentage of students scoring above B+ is 40%. Some students can do really well in the online classes. In contrast, the percentage of students scoring F and W is 33.5%. This probably tells me that online classes may not be really for everyone. From the above assessment table, the analysis shows probability part seems a hard part for students to learn. I think more video clips need to be made in helping students to

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			Follow-Up: learn this part. This semester I have added more video clips in helping students doing the assignments. Student scores have significantly improved. Last spring, 80% students score above 60% in test fifteen. This year, the rate is 96.9%. The data shows the hard work rewards.