# Department of Statistics and Biostatistics, CSCI

## ASSESSMENT PLAN: MS Statistics

### Date Updated: 4/25/2019

| PROGRAM MISSION |
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| CSUEB Missions, Commitments, and ILOs, 2012 |

| PROGRAM LEARNING OUTCOMES (PLOs) | |
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| ***7. Assessment Instrument*** | Departmental Rubric for written communication |
| ***8. How data will be reported*** | Quantitatively, proportions of students in each category from 1-5 (5 mastered) |
| ***9. Responsible person(s)*** | STAT 632 Instructor, Assessment Rep |
| ***10. Time (which semester(s))*** | Spring 2019 |
| ***11. Ways of closing the loop*** | Included in end-of year report and internal assessment |
| **Year 2: 2019-2020** | |
| ***1. Which PLO(s) to assess*** | PLO 6 |
| ***2. Is it aligned to an ILO?*** | No |
| ***3. If yes, list ILO.*** | |
| ***4. Course name and number*** | STAT 692 – Comprehensive Exam |
| ***5. SLO from course*** | and theory, concepts, and terminology at a level that supports lifelong learning of related methodologies. |
| ***6. Assessment activity*** | Written Comprehensive Exam |
| ***7. Assessment Instrument*** | Grades from exam |
| ***8. How data will be reported*** | Quantitative, proportions of students in each category from 1-5 (5 mastered) |
| ***9. Responsible person(s)*** | STAT 692 instructor, Assessment Rep |
| ***10. Time (which semester(s))*** | Fall and Spring |
| ***11. Ways of closing the loop*** | Included in end-of year report and internal assessment of PLOs. |
| **Year 3: 2020-2021** | |
| ***1. Which PLO(s) to assess*** | PLO 1 |
| ***2. Is it aligned to an ILO?*** | Yes |
| ***3. If yes, list ILO.*** | Quantitative Reasoning |
| ***4. Course name and number*** | STAT 692 – Comprehensive Exam |
| ***5. SLO from course*** | statistical methodologies, including a) descriptive statistics and graphical displays, b) probability models for uncertainty, stochastic processes, and distribution theory, c) hypothesis testing and confidence intervals, d) ANOVA and regression models |
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| Year 4: 2021-2022 | |
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| ***1. Which PLO(s) to assess*** | PLO 2 & PLO 3 & 4 |
| ***2. Is it aligned to an ILO?*** | No |
| ***3. If yes, list ILO.*** | |
| ***4. Course name and number*** | ST. |
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