Department of Mathematics, CSCI

ASSESSMENT PLAN: M.S. in Computer Networks

Updated Date: Winter 2015 by Matt Johnson

PROGRAM MISSION

CSUEB Missions, Commitments, and ILOs, 2012

CSUEB Computer Networks Program Mission Statement

The mission of the Computer Science Department at California State University East Bay is to provide instruction and to model practices that encourage all students to become intelligent creators and users of computer software and applications, to think analytically and independently, and to stay current with technology by becoming life-long learners.

science to both majors and non-majors. It does this by providing (1) industry-specific

skills taught by faculty who are current with emerging technology, (2) quantitative and analytical reasoning

PROGRAM MISSION

SLO 5	Independently acquire new computer related skills through analysis of current computer science literature and industrial practices
ILO 1, 5, 6	

Year 1: 2013-2014

1. Which SLO(s) to assess	SLO 1
2. Assessment indicators	Multiple choice post-assessment exams, independent of coursework
3. Sample (courses/# of students)	CS 6260 Computation and Complexity CS 6330 Secure Software Development CS 6520 Cryptography and Data Security CS 6526 Security in Wireless and Mobile Computing CS 6575 Parallel Programming All graduate courses have a course capacity of 25.
4. Time (which quarter(s))	Post-assessment exams will be administered during each academic quarter
5. Responsible person(s)	Networks Graduate Coordinator (currently Dr. Leann Christianson)
6. Ways of reporting (how, to who)	An assessment report will be generated by the Networks Graduate Coordinator, and then delivered to the Networks Graduate Program Committee during the spring quarter. Each course aligned with this SLO will be assigned a numeric score between 0 and 10, representing the average student score on the course's post-assessment examinations during the previous academic year.
7. Ways of closing the loop	The Networks Graduate Program Committee will meet in spring quarter to analyze and discuss the assessment report for this PLO. If the score for a given course is below the 7 threshold, the committee will recommend what actions needs be taken. Such actions include (but are not limited to): modification of the assessment examination if the questions seem inappropriate; revision of teaching practices to support student achievement; and refinement of the course learning outcomes that are aligned with the given programmatic SLO. The Committee will then send an action report to the Department Chair for approval.

Year 2: 2014-2015

1. Which SLO(s) to assess	SLO 2
2. Assessment indicators	Multiple choice post-assessment exams, independent of coursework
3. Sample (courses/# of students)	CS 6110 Theory and Design of Compilers CS 6520 Cryptography and Data Security CS 6522 Advanced WWW Software Development CS 6660 Database Systems CS 6865 Topics in Graphical User Interface Programming All graduate courses have a course capacity of 25.
4. Time (which quarter(s))	Post-assessment exams will be administered during each academic quarter
5. Responsible person(s)	Networks Graduate Coordinator (currently Dr. Leann

PROGRAM MISSION

	Christianson)
6. Ways of reporting (how, to who)	An assessment report will be generated by the Networks Graduate Coordinator, and then delivered to the Networks Graduate Program Committee during the spring quarter. Each course aligned with this SLO will be assigned a numeric score between 0 and 10, representing the average student score on the course's post-assessment examinations during the previous

Year 4: 2016-2017

1. Which SLO(s) to assess	SLO 4
2. Assessment indicators	Multiple choice post-assessment exams, independent of coursework
3. Sample (courses/# of students)	CS 6591 Communication Networks Analysis and Design CS 6592 Network Management CS 6594 Broadband and Multimedia Networks CS 6596 Wireless and Mobile Network Architecture CS 6715 Data Compression All graduate courses have a course capacity of 25.
4. Time (which quarter(s))	Post-assessment exams will be administered during each academic quarter
5. Responsible person(s)	Networks Graduate Coordinator (currently Dr. Leann Christianson)
6. Ways of reporting (how, to who)	An assessment report will be generated by the Networks Graduate Coordinator, and then delivered to the Networks Graduate Program Committee during the spring quarter. Each course aligned with this SLO will be assigned a numeric score between 0 and 10, representing the average student score on the course's post-assessment examinations during the previous academic year.
7. Ways of closing the loop	The Networks Graduate Program Committee will meet in spring quarter to analyze and discuss the assessment report for this PLO. If the score for a given course is below the 7 threshold, the committee will recommend what actions needs be taken. Such