Program: <u>Bachelor of Science – Computer Information Systems</u>

Date: ____May 29, 2015

Completed by: Juyun (Joey) Cho

Assessment contributors (other faculty involved in this program's assessment): Rick Huff, Yoanna Long, Roberto Mejias, Wayne Martinez

Please complete this form for <u>each undergraduate</u>, <u>minor</u>, <u>certificate</u>, <u>and graduate program</u> (e.g., B.A., B.S., M.S.) in your department. Please copy any addenda (e.g., rubrics) and paste them in this document, and submit it to the dean of your college/school as per the deadline established. The dean will forward it to me as an email attachment before June 2, 2014. You'll also find the form at the assessment website at <u>http://www.colostate-pueblo.edu/Assessment/ResultsAndReports/Pages/default.aspx</u>.

Please describe the 2014-2015 assessment activities for the program in Part I. Use Column H to describe improvements planned for 2015-2016 based on the assessment process. In Part II, please describe activities engaged in during 2014-2015 designed to close-the-loop (improve the program) based on assessment activities and the information gathered in 2013-2014. Thank you.

I. Program student learning outcomes (SLOs) assessed in this cycle, processes, results, and recommendations.

| A. Which of the | B. When | C. What | D. Who was | E. What is | F. What | G. What were the | H. What |
|-----------------|-----------|------------------|---------------|---------------|----------------|----------------------|---------------------------|
| program SLOs | was this | method was | assessed? | the | were the | department's | changes/improvements |
| were assessed | SLO last | used for | Please fully | expected | results of the | conclusions about | to the <u>program</u> are |
| during this | assessed? | assessing the | describe the | achievement | assessment? | student | planned based on this |
| cycle? Please | Please | SLO? Please | student | level and | | performance? | assessment? |
| include the | indicate | include a copy | group(s) and | how many | | | |
| outcome(s) | the | of any rubrics | the number | or what | | | |
| verbatim from | semester | used in the | of students | proportion | | | |
| the assessment | and year. | assessment | or artifacts | of students | | | |
| plan. | | process. | involved. | should be at | | | |
| | | | | it? | | | |
| CIS learning | Spring, | Final project | 10 individual | Our | . For analysis | Student's | We will continure to |
| objective 1 - | 2014 | reports, slides, | students in | expected | goal, 100% | performance are at | emphasize the life cycle |
| Analyze, | | and | the 3 teams | achievement | of students | acceptable level in | of software development |
| design, | | applications | | level is that | evaluated | the all of the three | and continure to monitor |

| implement, | | collected from | | at least 70% | met | areas – analysis, | SLO in this area. |
|----------------|---------|------------------|---------------|---------------|----------------|----------------------|---------------------------|
| and maintain | | CIS 432, Senior | | of students | expectations | design, and | |
| an information | | professional | | are at either | | implementation | |
| system | | project | | the "meets | . For design | and maintenance. | |
| system | | 1) | | expectations | goal, 100% | However, student's | |
| | | | | " or | of students | performance in | |
| | | | | "exceeds | evaluated | theses areas still | |
| | | | | expectations | met either | has a room to be | |
| | | | | " levels. | "exceeds | improved. | |
| | | | | | expectations | inprovedi | |
| | | | | | " or "meets | | |
| | | | | | expectations | | |
| | | | | | ". | | |
| | | | | | . For | | |
| | | | | | implementat | | |
| | | | | | ion and | | |
| | | | | | maintenance | | |
| | | | | | goal, 100% | | |
| | | | | | of students | | |
| | | | | | evaluated | | |
| | | | | | met "meets | | |
| | | | | | expectations | | |
| | | | | | ". | | |
| CIS learning | Spring, | Final project | 12 individual | Our | . For subject | Students are | We will discuss how to |
| objective 2 - | 2014 | report and | students in | expected | matter | performing at | train our students to use |
| Communicate | | slides collected | the 3 teams | achievement | knowledge | acceptable levels in | proper citations and |
| clearly in | | from CIS 432, | | level is that | goal, 100% | the three areas – | references. |
| writing and | | Senior | | at least 70% | of students | subject matter | |
| speaking (only | | professional | | of students | exceeded | knowledge, | |
| the writing | | project | | are at either | expectations | literacy, and logic | |
| part was | | | | the "meets | | flow. However, we | |
| evaluated) | | | | expectations | . For literacy | consider the results | |
| | | | | " or | goal | that showed 100% | |
| | | | | "exceeds | (grammar, | of students did not | |

| | | an alling and | and the second sec | 1 |
|--|--------------|---------------|--|---|
| | expectations | spelling, and | mention clearly the | |
| | " levels. | punctuation) | source of proper | |
| | | , 100% of | references should | |
| | | students | be discussed and | |
| | | met either | improved. | |
| | | "exceeds | | |
| | | expectations | | |
| | | " or "meets | | |
| | | expectations | | |
| | | " | | |
| | | . For logic | | |
| | | flow goal, | | |
| | | 100% of | | |
| | | studetns | | |
| | | met either | | |
| | | "exceeds | | |
| | | expectations | | |
| | | " or "meets | | |
| | | expectations | | |
| | | . For proper | | |
| | | references | | |
| | | goal, 100% | | |
| | | of studetns | | |
| | | were | | |
| | | identified as | | |
| | | "needs | | |
| | | improvemen | | |
| | | ts" because | | |
| | | none of | | |
| | | students | | |
| | | clearly | | |
| | | specified the | | |
| | | source of | | |
| | | | | |
| | | references in | | |

| | | | | | their | | |
|--|-----------------|--|---------------------------|--|---|---|---|
| | | | | | reports. | | |
| CIS learning objective 3 - Work effectively as a team member for a common purpose | Spring, 2014 | Peer review reports collected from CIS 432, Senior professional project | 34 individual students | Our expected achievement level is that at least 70% of students are at either the "meets expectations " or "exceeds expectations " levels. | More than 82% of studetns met either "exceeds expecations" or "meets expectations " in the area of attending team meetings, participating in team discussions, participating in non- meeting discussions (email, online chatting, phone calls), understandi ng the project concepts, and contributing to the final deliverables. But, only | Majority of students are performing very well in all of the areas except for the leadership area. | Though more than 70% of our students met the acceptable performance level in the five areas, we will continue to look for some ways to improve in this learning goal. The leadership area is lower than our 70% goal in two years in a row and needs to be discussed the way to improve this area. |

| | 65% of | | |
|--|--------------|---|--|
| | students | | |
| | met our | | |
| | expecatation | 1 | |
| | s in the | | |
| | leadership | | |
| | area. | | |

Comments:

The CIS 432 (Senior professional project) class is a capstone course in our program. Students work as a team on a real-life project requested by our local community. Students have completed the nine projects this year including 1) Colorado Governor's OIT – ProTech Performance, 2) CSUP Admissions and Records - Skytronics, 3) CSUP Mass Communications – KEA Technology, 4) CSUP Propel STEM – Innovative Technologies, 5) CSUP Trio – Sangre De Cristo Software, 6) Pueblo City–County Library – Singularity Solutions, 7) Puelo Soup Kitchen – Hypertension Solutions, 8) Sangre de Cristo Hospice – Inconceivable Concepts, and 9) YMCA – Colorado Solutions.

We have conducted senior exit survey in spring 2015 (see senior exit survey and result files) and we will discuss the survey results in our CIS faculty meeting in fall, 2015 to look for some ways to improve the quality our program.

II. Follow-up (closing the loop) on results and activities from previous assessment cycles. In this section, please describe actions taken during this cycle that were based on, or implemented to address, the results of assessment from previous cycles.

| A. What SLO(s) | B. When was this | C. What were the | D. Were the | E. What were the results of the |
|------------------|---------------------|----------------------------|----------------------------|---------------------------------------|
| did you address? | SLO last assessed? | recommendations for change | recommendations for | changes? If the changes were not |
| Please include | Please indicate the | from the previous | change acted upon? If not, | effective, what are the next steps or |
| the outcome(s) | semester and year. | assessment? | why? | the new recommendations? |
| verbatim from | | | | |
| the assessment | | | | |
| plan. | | | | |

| Learning | Spring, 2014 | We decided to emphasize | Out of the four phases of a | As shown in section I of this report, |
|-------------------|--------------|----------------------------------|------------------------------|--|
| objective 1: | Spring, 2014 | more on the design | software development life | 100% of students evaluated met either |
| - | | techniques such as ER | cycle, design phase was | "exceeds expecations" or "meets |
| Analysis, design, | | | | • |
| and | | diagram and | emphasized in the object- | expectations". This certainly shows the |
| implementation | | functional/usability/reliability | oriented systems analysis | improvement in the design area if we |
| and | | /performance requirements | and design course. | consider the fact that the only 68% of |
| maintenance | | and continure to monitor | Students had an | students had met the expectation last |
| | | SLOs in this area. | opportunity to practice | year. |
| | | | design concepts in the | |
| | | | advanced Java | |
| | | | programming language | |
| | | | course through the design | |
| | | | of the class project using a | |
| | | | Microsoft Visio for the | |
| | | | graphical user interface. | |
| Learning | Spring, 2014 | We decided to discuss how | Through various class | Only 66% of student had met the |
| objective 2: | | we can improve SLO in the | projects in the upper level | literacy goal last year but 100% of |
| Communication | | literacy (grammar, spelling, | courses, students had | students met either "exceeds |
| | | and punctuation) area. | opportunities to reinforce | expectations" or "meets expectations" |
| | | | the grammar, spelling and | this year. This is a good improvement in |
| | | | punctuation as they wrote | this area. However, we need to |
| | | | final project reports and | educate our student how to use |
| | | | created power point slides. | citations and proper references. |
| Learning | Spring, 2014 | We decided to discuss how | Students had an | Only 57% of students evaluated either |
| objective 3: | | we can improve the | opportunities to be trained | met expectations or exceeded |
| Team skills | | leadership area. | to take a large part in | expectations last year but 65% of |
| | | - | setting group goals and | students either met expectations or |
| | | | agendas in various upper | exceeded expectation this year. This |
| | | | level class projects. | result shows some improvement but |
| | | | | still does not meet our 70% goal. We |
| | | | | need to educate our students more in |
| | | | | this field. |

Comments:

Due to the small number of sample size except for the learning objective 3 (Team skills), it is a bit difficult to determine whether our assessment results in the learning objective 1 and 2 are good enough to represent the whole CIS majors. Given this, we will discuss the effective way to evaluate more samples in the next CIS faculty meeting.

CIS Learning Objectives

At the conclusion of the CIS program, students will demonstrate the ability to:

Objective 1. Analyze, design, implement, and maintain an information system.

Objective 2. Communicate clearly in writing and speaking.

Objective 3. Work effectively as a team member for a common purpose.

Objective 4. Identify ethical issues and provide alternatives or solutions.

CIS Learning Objectives 1: Analyze, design, and implement and maintain an information system

April 16, 2013

Date: _____

Rater: _____

Course: _____ Student: _____

| Evaluation Criteria | Exceeds Expectations | Meets | Needs | Score |
|---------------------|-----------------------------|---------------------|--------------------|-------|
| | | Expectations | Improvement | |
| | | | | |
| Analysis | Shows strong ability to | Shows some ability | Often fails to | |
| | identify what an | to identify what an | identify what an | |
| | Information System | Information System | Information System | |
| | should do | should do | should do | |
| | | | | |
| Design | Shows strong ability to | Shows some ability | Often fails to | |
| | identify how | to identify how | identify how | |
| | components of an | components of an | components of an | |
| | Information System | Information System | Information System | |
| | should be implemented | should be | should be | |
| | and integrated | implemented | implemented | |
| Implementation | Shows strong ability to | Shows some ability | Often fails to | |
| and Maintenance | implement, test, debug, | to implement, test, | implement, test, | |
| | and deploy an error-free | debug, and deploy | debug, and deploy | |
| | & completely | implement an error- | an error-free & | |
| | functioning Information | free & completely | completely | |
| | System | functioning | functioning | |
| | - | Information System | Information System | |

CIS Learning Objectives 2: Communicate clearly in writing and speaking.

November 15, 2013

Date: _____

Rater: _____

Course: _____

Student: _____

Oral Communication Rubric

| KineticsPresenter's bodyBody language andBody language and(Bodylanguage and voicevoice tone reflect thevoice tone revealLanguage)tone demonstratespresenter's relativepresenter's discomforthigh confidence andcomfort and commandand lack of confidencecomfort with theof the subject matter inwith the subjectsubject matter.interacting with thematter.Presenteraddience.Presenter reveals ademonstrates highPresenter usesreluctance to interactconfidence, empathappropriate gestures andwith the audience.interaction with the audience.Presenter aggoedsiff.Presenter gestures are confident, relaxed and natural and match the content and purpose of the presentation.Presenter makes a goodPresenter makes an excellent delivery with a voice that projects enthusiasm, interest andPresenter sbody and natural and match the content and purpose of the presentation.Presenter's body and natural and match the content and purpose of the presentation.Presenter's body and natural and match the voice that projects enthusiasm, interest andPresenter's body and purpose of the bis of the presentation.Presenter makes an excellent delivery with a voice that projects enthusiasm, interest andPresenter's body and to understand.Presenter makes an excellent delivery with a voice that projects enthusiasm, interest andPresenter's body and to understand. |
|--|
| confidence. |

| Organization | Presenter follows a | Presenter follows a | Presenter offers no |
|--------------|--|---|---|
| Siguinzanon | very clear and logical | logical sequence in their | logical sequence of |
| | sequence in their | presentation but does | information. |
| | presentation that the | not provide any | |
| | audience can follow. | additional information. | Presenter does not |
| | authence can follow. | | provide clear |
| | Presenter focuses on | Presenter uses a | explanations and |
| | the defined and | "checklist" approach to | elaborations of the |
| | critical points of the | the presentation | subject matter. |
| | presentation and | material. | |
| | provides clear | | Presenter fails to |
| | explanations for each | Presentation structure is | focus on the critical |
| | point. | adequate and | points of the |
| | | mechanical but lacks | presentation. |
| | Presenter provides | strong definition and | Presenter does not |
| | clear and concise | emphasis. | provide clear and |
| | "takeways" and | | concise conclusions |
| | conclusions for the | | for the audience. |
| | audience. | | for the audience. |
| | | | |
| | | | |
| Subject | Presenter clearly | Presenter reflects a | Presenter is unclear |
| Matter | demonstrates | relative comfort with the | and not well informed |
| | | | |
| Knowledge | excellent and in- | subject matter. | with the subject |
| Knowledge | depth knowledge and | - | with the subject matter. |
| Knowledge | depth knowledge and confidence with the | Presenter demonstrates a | matter. |
| Knowledge | depth knowledge and | Presenter demonstrates a good understanding of | matter. The presenter appears |
| Knowledge | depth knowledge and confidence with the subject matter. | Presenter demonstrates a good understanding of the details and | matter. The presenter appears to be unsure and |
| Knowledge | depth knowledge and confidence with the subject matter. Presenter | Presenter demonstrates a good understanding of the details and interaction of the | matter. The presenter appears to be unsure and disorganized in their |
| Knowledge | depth knowledge and confidence with the subject matter. Presenter demonstrates a clear | Presenter demonstrates a good understanding of the details and interaction of the elements of the subject | matter. The presenter appears to be unsure and disorganized in their presentation of the |
| Knowledge | depth knowledge and confidence with the subject matter. Presenter demonstrates a clear understanding of the | Presenter demonstrates a good understanding of the details and interaction of the | matter. The presenter appears to be unsure and disorganized in their |
| Knowledge | depth knowledge and confidence with the subject matter. Presenter demonstrates a clear understanding of the details and | Presenter demonstrates a good understanding of the details and interaction of the elements of the subject | matter. The presenter appears to be unsure and disorganized in their presentation of the |
| Knowledge | depth knowledge and confidence with the subject matter. Presenter demonstrates a clear understanding of the details and interconnection links | Presenter demonstrates a good understanding of the details and interaction of the elements of the subject matter. | matter. The presenter appears to be unsure and disorganized in their presentation of the subject material. |
| Knowledge | depth knowledge and confidence with the subject matter. Presenter demonstrates a clear understanding of the details and interconnection links of the elements of the | Presenter demonstrates a good understanding of the details and interaction of the elements of the subject matter. Presenter addresses and | matter. The presenter appears to be unsure and disorganized in their presentation of the subject material. Presenter may just be |
| Knowledge | depth knowledge and confidence with the subject matter. Presenter demonstrates a clear understanding of the details and interconnection links | Presenter demonstrates a good understanding of the details and interaction of the elements of the subject matter. Presenter addresses and replies to most questions | matter. The presenter appears to be unsure and disorganized in their presentation of the subject material. Presenter may just be repeating facts |
| Knowledge | depth knowledge and confidence with the subject matter. Presenter demonstrates a clear understanding of the details and interconnection links of the elements of the | Presenter demonstrates a good understanding of the details and interaction of the elements of the subject matter. Presenter addresses and replies to most questions regarding the subject | matter. The presenter appears to be unsure and disorganized in their presentation of the subject material. Presenter may just be repeating facts without understanding |
| Knowledge | depth knowledge and confidence with the subject matter. Presenter demonstrates a clear understanding of the details and interconnection links of the elements of the subject matter. Presenter clearly and | Presenter demonstrates a good understanding of the details and interaction of the elements of the subject matter. Presenter addresses and replies to most questions regarding the subject | matter. The presenter appears to be unsure and disorganized in their presentation of the subject material. Presenter may just be repeating facts without understanding details or interaction |
| Knowledge | depth knowledge and confidence with the subject matter. Presenter demonstrates a clear understanding of the details and interconnection links of the elements of the subject matter. Presenter clearly and thoroughly addresses | Presenter demonstrates a good understanding of the details and interaction of the elements of the subject matter. Presenter addresses and replies to most questions regarding the subject | matter. The presenter appears to be unsure and disorganized in their presentation of the subject material. Presenter may just be repeating facts without understanding details or interaction with other elements of the subject matter. |
| Knowledge | depth knowledge and confidence with the subject matter. Presenter demonstrates a clear understanding of the details and interconnection links of the elements of the subject matter. Presenter clearly and thoroughly addresses questions from the | Presenter demonstrates a good understanding of the details and interaction of the elements of the subject matter. Presenter addresses and replies to most questions regarding the subject | matter. The presenter appears to be unsure and disorganized in their presentation of the subject material. Presenter may just be repeating facts without understanding details or interaction with other elements of the subject matter. Presenter cannot |
| Knowledge | depth knowledge and confidence with the subject matter. Presenter demonstrates a clear understanding of the details and interconnection links of the elements of the subject matter. Presenter clearly and thoroughly addresses | Presenter demonstrates a good understanding of the details and interaction of the elements of the subject matter. Presenter addresses and replies to most questions regarding the subject | matter. The presenter appears to be unsure and disorganized in their presentation of the subject material. Presenter may just be repeating facts without understanding details or interaction with other elements of the subject matter. |

| Articulation (Delivery) | Presenter makes a professional and thorough analysis and presentation to the audience. Presenter speaks clearly and loudly enough and for all in audience to hear, at a comfortable rate, makes no grammatical errors, and pronounces all terms correctly and precisely. Presenter is enthusiastic and engaging. Presenter is extemporaneous and | Presenter speaks clearly and loudly enough to be heard by most in audience, at an appropriate rate, (some/rare awkward pauses or halting delivery), makes few grammatical errors, and pronounces most terms correctly with fluid delivery overall. | the subject matter. Presenter mumbles, speaks too quietly to be heard by many in audience, mispronounces words, and makes serious and persistent grammatical errors throughout the presentation. Presenter loses train of thought and is tentative. |
|--|---|---|--|
| | natural. | | |
| Content Clarity and Completeness | Presenter handles all elements professionally. Presenter develops and supports ideas using well- chosen examples and creative details. | Presenter handles material competently and includes essential information which is factually correct. | Presenter misses two or more essential elements. Presentation contains major factual errors and mis- representations. |

Written Communication Rubric

| Evaluation | Exceeds Expectations | Meets Expectations | Needs Improvement | Score |
|--|--|--|--|-------|
| Criteria | | | | |
| Subject Matter Knowledge | Clearly demonstrates excellent and in-depth knowledge of the subject matter. Demonstrates an excellent understanding of the details and interconnection links of the elements of the subject matter. | Demonstrates fair knowledge of the subject matter. Demonstrates a fair understanding of the details and interconnection links of the elements of the subject matter. | Demonstrates poor/inadequate knowledge of the subject matter. Demonstrates a poor understanding of the details and fails to show interconnection links of the elements of the subject matter. | |
| Literacy (grammar, spelling, punctuation) | No grammar, spelling, punctuation errors and excellent word usage. Writing at expected grade level or above. | Has some grammatical errors, spelling and punctuation errors. Writing at one or two levels below current grade level. | Has many grammatical errors, spelling and punctuation errors. Writing at more than two levels below current grade level. | |
| Logical Flow | Demonstrates ability to produce professional quality documents (fully footnoted and referenced, with proper cover pages, headings, footings, and table of contents) | Produces documents with minimal professional elements (footnotes, references, cover pages, headings, footings, table of contents) | Produced documents are lacking significant professional elements (footnotes, references, cover pages, headings, footings, table of contents) | |
| Proper References | Expertly integrates relevant articles, uses correct citations, and references based on certain academic writing styles. | Fairly integrates relevant articles, has some correct citations and references. | Fails to integrate relevant articles, citations, or references. | |

CIS Learning Objectives 3: Work effectively as a team member for a common purpose

April, 19 2013

Date: _____

| Rater: | |
|--------|--|
|--------|--|

Course: _____

Student: _____

| Evaluation Criteria | Exceeds Expectations | Meets Expectations | Needs Improvement | Score |
|---|---|--|--|-------|
| Attending team meetings | Attends all team meetings without being late | Attends most team meetings. If likely to be absent or late, informs others ahead of time | Rarely attends team meetings Attendance record is haphazard and inconsistent; may be absent or late without notice | |
| Participating meeting discussions | Actively participates in discussion and asks questions | Participates in discussions, letting others provide the direction | Observes passively and says little or nothing | |
| Participating non- meeting discussions, i.e. emails, online chatting, or phone calls | Actively participates in or initiates discussions and project related communication | Participates in discussions, letting others provide the direction | Rarely responds to team project related discussions | |
| Leadership | Takes a large part in setting group goals and agendas | Takes some part in setting group goals and agendas | Let others set and pursue the agenda | |
| Understanding of project concepts | Listens actively and shows understanding by paraphrasing or by acknowledging and building on others' ideas | Occasionally introduces the information or asks questions | Has limited understanding of the project concepts | |

| Contributing to | Carries own share of the | Carries own share | Does not fulfill own | |
|--------------------|---------------------------|-------------------|----------------------|--|
| the final | group's responsibilities, | of the group's | share | |
| deliverables. i.e. | and organizes or helps | responsibilities | | |
| report, | organize final | | | |
| PowerPoint, etc. | deliverables | | | |
| | | | | |

CIS Learning Objectives 4: Identify ethical issues and provide alternatives or solutions

April 19, 2013

Date: _____

| Rater: | |
|--------|--|
|--------|--|

Course: _____

Student: _____

| Evaluation | Exceeds Expectations | Meets Expectations | Needs Improvement | Score |
|------------------------------------|--|----------------------------------|--------------------------------------|-------|
| Criteria | | | | |
| Identify ethical | Identifies critical and | Identifies the critical | Identifies no critical | |
| issues | any additional ethical | ethical issues | ethical issues | |
| | issues | | | |
| T1 //0 | | T1 | T1 | |
| Identify | Identifies multiple | Identifies an | Identifies no | |
| alternative | alternative solutions | alternative solution | alternative solutions | |
| solutions | | | | |
| Supply appropriate solutions | Provides multiple appropriate solutions | Provides an appropriate solution | Provides no appropriate solutions | |

CIS Senior Exit Survey Computer Information Systems Program Spring 2015

The Computer Information Systems (CIS) Department is interested in your perception of the utility of the education you have received from Colorado State University - Pueblo, specifically in the CIS program. The primary focus of this assessment is on the content and delivery of courses you completed in the CIS Department. Your responses to the following items will have a direct impact on the CIS program and CIS course offerings. The results of this survey will be summarized (your individual response will NOT be identified) and go directly to the CIS program coordinator and the CIS faculty for purposes of evaluation and possible improvements to the CIS curriculum and program.

CIS Program Learning Objectives

Please respond to each of the following items by circling your answer.

| Item | Strongly Agree | Somewhat Agree | Neutral | Somewha Disagree | t Strongly Disagree |
|--|-------------------|-------------------|---------|---------------------|------------------------|
| I feel my CIS degree has adequately taught/prepared me for the following areas: | | 8 | | | |
| Analyze, design, implement, and maintain an information system | 5 | 4 | 3 | 2 | 1 |
| Communicate clearly in writing and speaking | 5 | 4 | 3 | 2 | 1 |
| Work effectively as a team member for a common purpose | 5 | 4 | 3 | 2 | 1 |
| Identify ethical issues and provide alternatives or solutions | 5 | 4 | 3 | 2 | 1 |

Preparation for a Career in CIS

Please respond to each of the following items by circling your answer.

| Item | Strongly Agree | Somewhat Agree | Neutral | Somewhar Disagree | t Strongly Disagree |
|---|-------------------|-------------------|---------|----------------------|------------------------|
| I feel my CIS degree has adequately prepared me for a job in the CIS field. | 5 | 4 | 3 | 2 | 1 |
| I feel confident in my ability to be successful in a CIS job. | 5 | 4 | 3 | 2 | 1 |
| I have learned everything I need to know to be a good employee in a CIS job. | 5 | 4 | 3 | 2 | 1 |
| Overall, I feel I have the skills and abilities necessary for a successful career in CIS. | 5 | 4 | 3 | 2 | 1 |

Course Quality and Utility

Please circle your response in each category of Quality and Utility. If you did not take the course described, cross out the course description and leave the response blank.

| Course Description | Qualit The le course instru | y: vel e coi | of qualit ntent and n. | y ir d | 1 | Utility: The level of usefulness of the course content and instruction to your future career. | | | | |
|-----------------------------------|--------------------------------------|--------------------|------------------------------|-----------|----------------|---|---|-------------------|---|----------------|
| | High Quality | | Average Quality | | Low Quality | High Utility | , | Averag Utility | | Low Utility |
| Intro to Word & Windows | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| PowerPoint & Web Publishing | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Excel Spreadsheets | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| MS Access DBMS | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Computer Information Systems | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Intro to Java Programming | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| PC Architecture | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Object-Oriented Analysis & Design | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Adv. Program Design with Java | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Network Concepts | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Intro. to Web Development | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| UNIX Operating Systems | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Database Systems | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Senior Professional Project | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Senior Seminar | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Advanced Programming w/ C# | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| IT Security | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Network Systems Admin | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Internet Server-Side Programming | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| IT Security Management | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Computer Forensics | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Cooperative Education/Internship | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Other Courses: | | | | | | | | | | |
| Principles of Management | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Project Management | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |

| Business Communications | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
|-------------------------|---|---|---|---|---|---|---|---|---|---|
| Other (describe): | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Other (describe): | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Other (describe): | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Other (describe): | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| Other (describe): | 5 | 4 | 3 | 2 | 1 | 5 | 4 | 3 | 2 | 1 |
| | | | | | | | | | | |

Please respond to each of the following questions:

What were the most valuable things you received from your CIS education at CSU-Pueblo?

If you could change ONE thing about the CIS program/department/faculty to improve the quality of student learning or learning outcomes it delivers, what would it be?

Discuss any other improvements that you feel should be made to the CIS curriculum/program/faculty to improve the quality of the student learning experience:

Please list any topics/courses you feel should be included in the CIS program that are not currently taught, or any approaches to teaching you feel should be included:

THANKS for your feedback! Your perspective on the CIS program will have a direct and immediate impact on the quality of the program.