Computer Engineering Program
Course Committee Outcomes Assessment Evaluation Form

Course Number and Title: ,
Term and Year:
Instructor:
Course Committee Participants: Emmanuel Momot

Date: Mon Dec 01 2014 12:14:46 GMT-0500 (EST)

I. Course Issues:

Syllabus: Does the syllabus reflect current content?	☑ YES ☐ NO
Are there topics that should be dropped from the course?	☑ YES ☐ NO
Are there topics that should be added to the course?	☑ YES ☐ NO
Textbook: Is the textbook working well?	☑ YES ☐ NO
Should changes be considered for the next academic year?	☐ YES ☑ NO
Are there new books available that should be evaluated?	☐ YES ☑ NO
Does the book map well onto the syllabus?	☑ YES ☐ NO
Do other assessments (performance/exit surveys,student feedback) indicate issues that need to be addressed?	☑ YES ☐ NO
Student Performance: Did students master the material?	☑ YES ☐ NO
Are there problems in the their knowledge of key concepts?	☑ YES ☐ NO

ACTIONS/RECOMMENDATIONS:
j

II. Program Issues:

Are the pre-requisites still appropriate for this course?	☑ YES ☐ NO
Does the course content satisfy the needs of follow-on courses?	☑ YES ☐ NO

ACTIONS/RECOMMENDATIONS:
j

III. Evaluation of Outcomes Assessments:

Recommendations for course improvement:
j

Recommendations to CEN program governance (e.g. curriculum committee):
j

Comments/Recommendations on this process:
j

COMPUTER ENGINEERING PROGRAM
SUMMARY OF COURSE COMMITTEE ANALYSIS
Course Number and Title: ,

Term and Year:
Instructor:
Course Committee Participants: Emmanuel Momot

Date: Mon Dec 01 2014 12:14:46 GMT-0500 (EST)

Outcome: **(a) math skills** **Number of students:**	**Evaluation:(satisfactory, unsatisfactory, weaknesses, identified, suggestedimprovements, remarks)**
1. Instruments Chosen	j
2. Likert Scale Threshold(s)	j
3. Sample Graded Student Work	j
4. Percentage of Students Achieving Outcome	j
5. Average Likert Value	j
6. Achievement of Outcome	j
7. Suggested Improvements on Achieving Outcome	j

Outcome: **(b) reading skills** **Number of students:**	**Evaluation:(satisfactory, unsatisfactory, weaknesses, identified, suggestedimprovements, remarks)**
1. Instruments Chosen	j
2. Likert Scale Threshold(s)	j
3. Sample Graded Student Work	j
4. Percentage of Students Achieving Outcome	j
5. Average Likert Value	j
6. Achievement of Outcome	j
7. Suggested Improvements on Achieving Outcome	j

Instructions to Course Evaluation Committe:

The purpose of this form is:

1. To perform *qualitative* analysis of the quantitative data of the outcomes assessed.
2. To document the participation of several faculty in the evaluation of those assessments.
3. To examine and evaluate the various quantitative criteria used, the instruments chosen, the Likert scale values, and sample student graded work.
4. To generate recommendations in three categories:

- **(a) Recommendations to future instructors.**
- **(b) Recommendations to curriculum governance.**
- **(c) Recommendations on improvement of the process.**

CEN PROGRAM OUTCOMES

(a) an ability to apply knowledge of mathematics, statistics, computer science, and electrical engineering as it applies to computer hardware and software
(b) an ability to design and conduct experiments, as well as to organize, analyze and interpret data.
(c) an ability to design hardware and software systems, components, or processes to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
(d) an ability to function on multi-disciplinary teams.
(e)an ability to identify, formulate, and solve hardware and software computer engineering problems, accounting for the interaction between hardware and software.
(f) an understanding of professional, legal, and ethical issues and responsibilities.
(g) an ability to communicate effectively in speech and in writing, including documentation of hardware and software systems.
(h) the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
(i) a recognition of the need for, and an ability to engage in life-long learning.
(j) a knowledge of contemporary issues.
(k) an ability to use the techniques, skills, and modern engineering tools necessary for computer engineering practice.
(l) an ability to apply engineering and management knowledge and techniques to estimate time and resources needed to complete a computer engineering project .