

Quality Improvement Plan 2019/2020
For
The Construction Science and Management Program

Introduction: The Construction Science and Management Program has set four (4) major Program Goals for its Quality Improvement Plan (QIP). These goals are:

- I. Program Improvements
- II. Faculty
- III. Facilities
- IV. Industry

Under these four Goals are list objective as to how these goals are to be accomplished. The stated objectives are complimented by additional objectives as needed. At the beginning of each academic year, Program Objectives are set under the four program Goals. The at the end of the academic year, they are summarized, and new or modified Program Objectives are set for the next academic year.

GOAL I: PROGRAM IMPROVEMENTS

Undergraduate

- 1) Complete and submit the 2nd year, Undergraduate ACCE Progress Report.
 - Submitted on Nov 1, 2019.
 - Returned because “Summary Comments.” section not completed and was resubmitted on time.
 - Accepted at the ACCE July 2020 conference.
- 2) AIC-AC Exam
 - a. Seek sponsors to fund the students \$165 registration fee.
 - SpawGlass, through Joel Stone, agreed to pay the fee for the top ten (10) students that pass the exam.
 - Rogers O’Brien, through Cisco Hobbs, agreed to pay \$100 for the next ten (10) students who passed the exam.
 - b. Seeking methods to improve the pass rate on the AIC-AC Certification Exam.
 - Plan underway to assign portions of the AIC-AC Study Guide to the appropriate course and instructor(s), who then will incorporate the identified content into their course.
 - A plan is currently under development. Note Spring 2020 AIC-AC Exam cancelled due to COVID-19.

Curriculum

- 3) Implement the new Residential Concentrations beginning Fall of 2019.
- 4) Teach one of the two new residential courses, CSM 3369: Residential II: Business Practices.
 - Taught during the Spring 2020 semester by Mr. Holder, our new Residential Professor of Practice. (Note: CSM 4370 Residential Capstone to be taught Fall 2020 for the first time.)

- 5) Teach the new ‘CSM 4368 Construction Finance’ course for the first time as an alternative to CIS 3317 E-Business, for the required Business Administration Minor.
 - Course taught for the first time during the Fall 2019 semester and we plan on offering one section for 40 students every semester. Currently taught by Mr. Holder our Residential Professor of Practice who has an MBA.
(Note: Would like to make this course a requirement for all CSM majors in place of CIS 3317, when we have enough faculty to staff the course. Currently we can only staff two courses of 40 each year, but we would need to staff four sections per year to accommodate all 560 CSM majors.)
- 6) Changes to existing courses
 - Require CSM 2360, Residential Construction Systems as a co-requisite for CSM 3361, Commercial Building Construction System. This change is necessary because many CSM majors were taking this sophomore course later in their program and the information gained from CSM 2360 would help them in their junior and senior level courses
 - Change to be submitted during the Fall 2020 curriculum cycle
- 7) Removing one hour required lab from CSM 3369: Residential Construction II: Business Practices.
 - Change to be submitted during the Fall 2020 curriculum cycle to change the course to a three (3) hour lecture per week from its current two (2) hour lecture plus two (2) hour lab per week format
- 8) Consider increasing the current required overall GPA in the 30 hours of Pre-Construction courses from its current 2.5 to 2.75-3.0. The reason is to get a better qualified student into the major and to increase the pass rate on the AIC-AC Exam
 - Drs. Talley and Spencer are researching the problem and considering applying for a grant to further investigate the issue.

Graduate Construction Management Master’s Degree

- 9) Obtain final approvals for the new Master of Science in Construction Management (CM) Degree.
 - Approval obtained during the summer of 2020.
- 10) Offer first CM Master Courses online for the Fall of 2020
 - These courses offered and taught.
- 11) Work towards ACCE Accreditation for CM Master’s Degree.
 - Will work towards accreditation in 5-8 years with a serious effort made in 3-5 years after the program is established.

GOAL II: FACULTY

Undergraduate

- 1) Seek a replacement hire for Dr. Smith, Professor of Practice, who unexpectedly resigned two weeks before the start of the Fall 2019 semester.
 - Write position description. (Done)
 - Obtain position approval. (Done)
 - Interview candidates. (Done)
 - Interviewed two (2) candidates during the Spring 2020 semester.

- Make an offer to the top candidate. (Done)
 - Mr. John Casstevens, former President of Joeris General Contractors Ltd., accepted the position and began teaching in the Fall 2020 semester.
- 2) Mentor Dr. Spencer who will replace Dr. Winek as CSM Program Director beginning Fall 2020.
 - Have scheduled meetings during the 2019/2020 Academic Year to bring her up-to-speed on the responsibilities of the position. (Done)
 - Dr. Winek to move from RFM 2240D to RFM 2240F during summer of 2020. (Done)
 - Appropriate files and ACCE documents to be transferred to Dr. Spencer. (Done)
 - Transfer management and signature authority to Dr. Spencer for:
 - Construction Discretionary fund
 - Career Fair Discretionary fund
 - Sunbelt account
 - 3) Assign a new CS and CAWIC Faculty Advisor to replace Dr. Smith, who resigned.
 - Dr. Talley selected as replacement. (Done)
 - 4) Seek a Senior Lecturer to replace the position vacated by Dr. Vivek Sharma who accepted a position at Clemson.
 - The position was filled by Dr. Selen Hatipkarasulu, a Civil Engineer from UTSA. (Done)
 - 5) Seek a Lecturer to replace Mrs. Harnish Sharma who taught several Architectural Design classes and left with her husband when he accepted the job at Clemson.
 - The position was filled by Vatsalya Sharma, who recently completed his Master's through our Department. (Done)

Graduate

- 1) Hire two new Assistant/Associate Professors to staff the positions that were associated with the new Master's in Construction Management.
 - Hired Dr. Krishna Kisi as an Assistant Professor. (Done)
 - Promoted Dr. Hyunhwan Kim from CM Program Lecturer to an Assistant Professor. (Note: His Lecturer's Position, unfortunately, was not filled due to University Budget cuts partly related to the Pandemic. (Done)

III. FACILITIES

- 1) Move the Computer Lab located in room RFM 1240 to remodeled room RFM 1239, which was vacated by The Engineering Department's move to Ingram Hall during Summer/Fall of 2019.
 - Done in record-breaking time in August 2019.
 - Room painted and carpet installed.
 - Four 72" monitors were installed.
 - Thirty-seven new Dell Engineering Workstations installed, which were funded through an ACC internal grant.
 - Furniture from RFM 1240 transferred to RFM 1239.

- 2) New Computer Lab: completely demolish, reconfigure and install a dust collection system, electrical and compressed air ceiling drops in the former computer lab RFM 1240, which is now RFM 1235. (Completed)
 - Attended weekly design meetings with the Architects and Contractors as needed.
 - Worked with our Collin Payne, our Lab Technician, to monitor progress.
 - Transfer and connect all stationary machinery.
 - Lab was operational during the Fall 2020 semester.
- 3) Plan for expansion of the capacity of RFM 4236 from 24 to 48 computers.
 - Existing returns on tables removed to create more space.
 - Estimates were obtained to:
 - Add additional cabling for added computers.
 - Add two 72" monitors at either end of the RFM 4236 lab.
 - Add additional computers.
 - Seek funding for this project from the University in Fall 2020.
 - Apply for the Academic Computer grant through the University for the 2020/21 cycle for the additional 24 computers.
(Note: This item is continuing into the 2020/21 Academic Year and will depend on funds becoming available since the University has had to make budget cuts due to the Pandemic.)

IV. INDUSTRY

- 1) Rename the Construction Industry Advising Board (CIAC) to the Construction Advisory Board (CAB). (Done)
- 2) Select interim Faculty Director at the CAB to replace the departure of the former Faculty Advisor, who resigned at the beginning of the year. (Done)
 - Dr. Winek served from 2019/2020.
- 3) Hold a Fall and Spring meeting for the Board. (Done)
 - One meeting convened each semester on the Wednesday preceding the Construction and Concrete Career Fair held in both Fall and Spring.
- 4) Reestablish CAB committees and select Committee Chairs with associated members. (Done)