SCHOOL OF THE BUILT ENVIRONMENT

DEPARTMENT OF CONSTRUCTION MANAGEMENT

'Faculty - Course Self Evaluation' Assessment Report
Spring 2018

Dated: July 13, 2019

BOWLING GREEN STATE UNIVERSITY

ASSESSMENT PARTICULARS:

No. of Surveys Distributed:	Fourteen (14) Surveys
No. of Surveys Returned:	Eight (8) Surveys
No. of Courses Evaluated:	Eight (8) Courses
List of Courses Evaluated:	CONS 3180 - Construction Surveying CONS 3350 - Construction Materials and Testing CONS 3360 - Structural Design CONS 3380 - Steel, Concrete and Masonry Design CONS 4110 - Construction Safety and Health Management CONS 4350 - Construction Methods and Practices CONS 4420 - Construction Scheduling CONS 4700 - Construction Capstone
Assessment Criteria:	Overall level of preparation of students in the course against each of the ACCE student learning outcomes (SLO) listed by means of Likert Scale: - Very High (Assigned Score = 5.00) - High (Assigned Score =4.00) - Average (Assigned Score = 3.00) - Low (Assigned Score = 2.00) - Very Low (Assigned Score = 1.00)
ACCE SLO Reference:	See Appendix for SLO descriptions

CONS 3180 - Construction Surveying
Instructor: Joseph lavalette

ACCE SLO	SLO 1	SLO 11
Rating	3	3
Score	Average	Average

Improvements/recommendations (self-reflection) for next offering of course:
- Better engagement of individuals in team environment. Make P.M. responsible to create a more engaging atmosphere.

CONS 3350 - Construction Materials and Testing
Instructor: Robert Austin

ACCE SLO	SLO 15
Rating	3
Score	Average

Improvements/recommendations (self-reflection) for next offering of course:
- Continue building students writing skills by highly incentivizing adherence to specified formatting requirements, quality of written assignments and engaging library resources for a term length assignment on construction material of interest.
- Incorporating more field trips to concrete, quarry, commercial and state testing facilities, etc... v. Construction Materials laboratory assignments (in part due limited availability of graduate assistants).
- Revising sequence of presentation beginning with concrete to afford time for a semester end concrete Frisbee competition.
- Continue efforts to expand the course scope to capture timber, in addition to current topics of concrete, metals, soils and masonry - to provide students with some background on each.
- Find a better text. The one used this semester was an improvement from prior text - but, still wasn't ideal.

CONS 3360 - Structural Design
Instructor: Alan Atalah

ACCE SLO	SLO 19
Rating	4
Score	High

Improvements/recommendations (self-reflection) for next offering of course:
- The structural mechanics is about ensuring that the building are designed and constructed safely, but creating a safety plan is not part of the scope of this course.
- By the nature of understanding what the structural engineer goes through to design a structure, they learn and appreciate their roles in an indirect way.
- Accelerate the delivery of the math review part and the first chapter to create space for the bridge competition.
- Reach out to the math department to ensure that the students are better prepared mathematically.

CONS 3380 - Steel, Concrete and Masonry Design

Instructor: Joseph Lavalette

ACCE SLO	SLO 19
Rating	4
Score	High

Improvements/recommendations (self-reflection) for next offering of course:
- A few more power point/video clips to present concepts.

CONS 4110 - Construction Safety and Health Management
Instructor: Mark Prenzlin

ACCE SLO	SLO 1	SLO 3
Rating	3	4
Score	Average	High

Improvements/recommendations (self-reflection) for next offering of course:
- I will emphasize the importance of creating written communication that is well-organized and consists of correct spelling, grammar, and punctuation.
- I will instruct students of the importance of proof-reading their written communication and making appropriate corrections before sending.

CONS 4350 - Construction Methods and Practices
Instructor: Alan Atalah

ACCE SLO	SLO 8	SLO 13	SLO 14
Rating	4	5	4
Score	High	Very High	High

Improvements/recommendations (self-reflection) for next offering of course:
- Find ways to reduce use of cell phone and computers during the class.
- Make the class more interactive.
- We have a few writing assignments, but I need to increase the writing part to improve the communication skills of the students.
- Incorporate more site planning exercises.

CONS 4420 - Construction Scheduling
Instructor: Quinn Lawrence

ACCE SLO	SLO 5	SLO 16
Rating	5	4
Score	Very High	High

Improvements/recommendations (self-reflection) for next offering of course:

- I would like to incorporate the text Bob Austin had recommended into the course as a guide to the fundamentals of scheduling.

CONS 4700 - Construction Capstone
Instructor: Robert Austin

ACCE SLO	SLO 9
Rating	3
Score	Average

Improvements/recommendations (self-reflection) for next offering of course:
- Limit enrollment to not more than 20 students. In the event that there are more than 20 graduating seniors, offer multiple sections.
- Continue efforts with other faculty members to introduce fundamental CM skills, for example concept estimates, contingencies and risk analysis.
- More closely tie the project based learning deliverables to the class lectures through interim partial submissions.
- Introduce debate topic as part of lecture discussions (e.g., bid shopping, float ownership, scheduling methods, relational contracting, management structures).
- Explore on-line testing offered by the Construction Management Association of America.

SUMMARY OF SCORE / AVERAGE PER ACCE SLO:

ACCE SLO	SCORE / AVERAGE
1	**3.0**
2	
3	**4.0**
4	
5	**5.0**
6	
7	
8	**4.0**
9	**3.0**
10	
11	**3.0**
12	
13	**5.0**
14	**4.0**
15	**3.0**
16	**4.0**
17	
18	
19	**4.0**
20	

APPENDIX:

ACCE - STUDENT LEARNING OUTCOMES

1. Create written communications appropriate to the construction discipline.
2. Create oral presentations appropriate to the construction discipline.
3. Create a construction project safety plan.
4. Create construction project cost estimates.
5. Create construction project schedules.
6. Analyze professional decisions based on ethical principles.
7. Analyze construction documents for planning and management of construction processes.
8. Analyze methods, materials, and equipment used in construction processes.
9. Apply construction management skills as a member of a multidisciplinary team.
10. Apply electronic-based technology to manage the construction process.
11. Apply basic surveying techniques for construction layout and control.
12. Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.
13. Understand construction risk management.
14. Understand construction accounting and cost control.
15. Understand construction quality assurance and control.
16. Understand construction project control processes.
17. Understand the legal implications of contract, common, and regulatory law to manage a construction project.
18. Understand the basic principles of sustainable construction.
19. Understand the basic principles of structural behavior.
20. Understand the basic principles of mechanical, electrical and piping systems.