



Faculty Senate

TO: Members of the Faculty Senate & Guests **DATE:** October 1, 2012
FROM: Paul Farrell, Chair of Faculty Senate
SUBJECT: Agenda and Materials for the October 8, 2012 Faculty Senate Meeting

Attached you will find the agenda and the materials for the October 8th Faculty Senate meeting. As always, we will meet in the Governance Chambers at 3:20 p.m. Please join us, if you can, for a few minutes of informal conversation prior to the meeting.

1. Call to Order
2. Roll Call
3. Approval of the September 10, 2012 Faculty Senate Meeting Minutes
4. Provost's Remarks
5. Introduction of the Co-Chairs of the Academic Affairs Strategic Planning Committee, Stanley Wearden (Dean, Communication & Information) and Carey McDougall (Associate Professor - Art, Stark Campus)
6. Chair's Remarks
7. Report: New Plagiarism/Cheating Policy and Form (Linda Williams)
8. EPC Items:
 - a. Action Item: College of Applied Engineering, Sustainability & Technology: Establishment of a Construction Management major within the Bachelor of Science degree. There currently exists a Construction Management concentration in the BS in Technology program, which will be inactivated upon approval of this new major. Minimum total credit hours toward program completion are 121. Effective Fall 2013.
 - b. Discussion Item: Establishing and charging an ad hoc subcommittee of the EPC to review Kent State's academic policies and how they align with student success.
9. New Business:
 - a. Faculty Senate endorses the recommendation of the "Report of the Faculty Senate Commission Established to Evaluate Current Methods of Assessing Teaching Quality at Kent State University" that comparative data currently

referred to on the current SSI as the "norming group" should be expanded for courses taught at regional campuses based on more varied criteria.

- b. Faculty Senate authorizes the Faculty Senate Chair and Executive Committee to appoint an ad-hoc committee to examine the suitability of the current Student Survey of Instruction (SSI) and the alternative one proposed by the "Report of the Faculty Senate Commission Established to Evaluate Current Methods of Assessing Teaching Quality at Kent State University" for courses taught by alternative methods of instruction such as fully or partly online courses and courses utilizing methods such as the Mathematics Emporium, and to recommend whether the SSI form needs to be different for such courses and, if so, to recommend changes for such courses.

10. Announcements / Statements for the Record

11. Faculty Senate Meeting Adjournment



FACULTY SENATE

Minutes of the Meeting

September 10, 2012

Senators present: Patti Baller, Madhav Bhatta, David Dees, Vanessa Earp, Paul Farrell, Rick Feinberg, Mary Ferranto, Steve Fountain, Lee Fox-Cardamone, Kimberly Garchar, George Garrison, Mack Hassler, Min He, Barb Hipsman, Susan Iverson, Thomas Janson, Robert Kairis, Deborah Knapp, Tracy Laux, Ralph Lindeman, Richard Mangrum, Stephen Minnick, Stephen Paschen, David Riccio, Daniel Roland, Susan Roxburgh, Vilma Seeberg, Jonathan Selinger, Deborah Smith, Fred Smith, John Stoker, Jarrod Tudor, James Tyner, Terry Uber, Roberto Uribe-Rendon, Will Ward, Christopher Was, Susan Weaver, Donald White, Linda Williams

Senators not present: Ann Abraham, Brian Baer, Kim Winebrenner

Ex-Officio Members present: President Lester Lefton; Provost & Senior V.P. for Academic Affairs Todd Diacon; Vice President Iris Harvey; Executive Director Deborah Huntsman; Deans: James Bracken, Simon Shin-Min, Doug Steidl, Wanda Thomas, Mary Ann Haley for Timothy Chandler, Ralph Lorenz for John Crawford; Director Robert Walker

Observers present: Michael Allen (GSS), Larry Osher (Podiatric Medicine), Myra West (Emeritus Professor), Breanne Yonkof (USS)

Guests present: Shaheen Abdulkareem, Ahmed Al Abdawi, Sudad S. Ahmed, Sue Averill, Alicia Balog, Khder Chalabi, Fashaad Crawford, Audrey Fletcher, Ameer Hadi, Haider Al Hadrawi, Kameran H. Ismail, Greg Jarvie, Tess Kail, Karen Keenan, Eric Mansfield, Isaac Richmond Nettey, Zainab Al Rubaye, Arden Ruttan, Jennifer Sandoval, Denise Seachrist, Ahmed Al Sultani, Melody Tankersley, Therese Tillett

1. Call to Order

Chair Farrell called the meeting to order at 3:25 p.m. in the Governance Chambers, second floor, Kent Student Center.

2. Roll Call

Secretary Earp called the roll.

3. Approval of the Faculty Senate Meeting Minutes of July 16, 2012

Chair Farrell called for corrections to the minutes of the Faculty Senate meeting of July 16, 2012.

Senators Roxburgh and Janson had minor corrections. The minutes of the July 16, 2012 meeting as amended were approved unanimously (Janson/Uribe).

4. President's Remarks

- a. President Lefton commented that he believed the student enrollment report would show that Kent State was the second largest institution in the state of Ohio. He also stated that the freshman class was the best the Kent Campus has ever enrolled; 70% of these students had a GPA at 3.0 or higher and an average ACT score between 22 and 23.

- b. The President encouraged the faculty to attend their department, school and college faculty meetings this year. He will be attending these meetings to learn what faculty are concerned about and what they see as opportunities and challenges.
- c. President Lefton thanked everyone who attended that First Look Expo in the student center. Over 1,300 people attended the expo to learn about the planned projects as well as the overall vision of the major regional renaissance that is occurring on and around the campuses of Kent State University. The President expected the Board of Trustees to approve the plan at their upcoming meeting.

The four major construction projects for the Kent Campus are: major renovations and a multidisciplinary addition to the science buildings; a new building for architecture and environmental design; a complete overhaul of the art building and the art annex; and a new building for applied engineering, sustainability, and technology. Later in the fall semester UCM will be launching a new website that will contain information about the various projects and construction updates.

- d. President Lefton thanked Laura Davis and Carole Barbato for their work on the May 4th Visitor's Center. The President would like to schedule a time for the Faculty Senate to tour the May 4th Visitor's Center as a group.
- e. Questions for President Lefton:
 - i. Senator Jason asked if the President could provide some preliminary enrollment numbers. The president replied that he thought the entering freshmen class would be approximately 4,168 students. The Kent Campus enrollment will be around 28,600.
 - ii. Senator Garrison asked if there was any information available on what impact the increase of quality among the entering class was having on the demographic make-up of the class. President Lefton replied that our enrollment mirrors the exact same thing as the total enrollment. He stated we are down a few students in all groups, including AALANA groups, however the quality of the new students is better than in the past.
 - iii. Senator Hipsman expressed concern over the lack of communication between student services and the faculty in term of visiting students. She would like to see faculty and deans take a more active role in recruitment of students. President Lefton stated that he knew of prospective students who were meeting with deans and directors. Vice President Greg Jarvie stated that he would look into this issue. President Lefton stated that he would have David Garcia look into getting faculty more involved before the students actually visit campus.

5. Chair's Remarks [attached]

Chair Farrell read his remarks.

6. Welcome to the Fulbright Scholars [attached]

Dr. Nettey introduced the scholars.

7. Report: University Council on Technology – Dr. Arden Ruttan

Dr. Ruttan stated the function of the University Council on Technology is to provide a forum to address issues related to selection, configuration, deployment of equipment and software provided by the university to students, faculty and staff. Information about their meetings and agendas can be found at www.kent.edu/utc.

Some issues that the University Council on Technology dealt with last year are: they reviewed the plans for the conversion to the combined communication system (email and phone services), reviewed plans to upgrade and improve the university search engine, investigated ways to build an online forum for people to ask questions about technology, planned focus groups to gather information on a particular aspect of technology, investigated how computer security issues are addressed, and had a discussion with Director Huntsman and Provost Rubin to look at the future plans for online teaching tools.

Possible plans for the upcoming year include: looking at how the student response system (clickers) is being used or could be used on campus, investigate support and use of mobile devices on campus, management of large data sets, and support for synchronous remote teaching.

8. Elections

The following elections were held at the meeting. The results were sent out via email after the meeting:

- a. Ohio Faculty Council:
 - i. **Elected:** Mack Hassler
 - ii. **Alternate:** Ralph Lindeman
- b. Committee on Administrative Officers:
 - i. Senate Member(s)
 - 1. **Elected:** Tom Janson
 - 2. **Alternate:** Terrence Uber
 - ii. Non-Senate Member(s)
 - 1. **Elected:** Ellen Glickman
 - 2. **Alternate:** Daniel Fuller
- c. Faculty Ethics Committee:
 - i. **Elected:** Linda Williams (2-year term) and David Dees (1-year term)
 - ii. **Alternates:** Will Ward, Fred Smith, and Ann Abraham
- d. Call for Nominations for FaSBAC (Faculty Senate Budget Advisory Committee)

Senator Seeberg requested that in the future that information on each committee and each candidate be provided to the senators prior to the elections. Chair Farrell replied that the executive committee would discuss that issue.

9. New Business: University Policy Regarding Administration of Student Conduct

Vice President Greg Jarvie went over the proposed changes in the policy, which he felt were mostly to change names and make sure the correct offices were listed. One substantive change is that the student appeal will now also go to a board of faculty members that will look at the appeal and make a recommendation to the Vice President's office. This is a new step.

Senator Deb Smith expressed concern over the removal of the word complaint from section D3. After discussion it was decided to leave the word complaint in section D3.

Senator Deb Smith proposed different language for section L1B regarding the appointment of a faculty or staff member to the hearing panel. There was confusion of the use of the phrase "and/or." Her recommended wording was "Faculty members shall be appointed by the Faculty Senate, and staff members shall be appointed by the Vice President for Enrollment Management and Student Affairs." This proposed change was accepted by Vice President Jarvie.

Senator Hassler asked about the removal of asking student government for a representative and instead having the office appoint a student. Vice President Jarvie replied that they do ask the student government for a representative; however the office must officially appoint the student. He agreed to leave in the language regarding student government.

Vice President Jarvie will make the suggested changes and bring the policy back to the Faculty Senate at a later date.

10. Announcements / Statements for the Record

None.

11. Adjournment

Chair Farrell adjourned the meeting at 5:15 p.m.

Respectfully Submitted,
Vanessa J. Earp, Secretary Faculty Senate

attachments

Faculty Senate Meeting of September 10, 2012

Chair Farrell's Remarks

Welcome to the September meeting, the first meeting of the 2012-13 Fall session of Faculty Senate. At the July meeting, I welcomed the newly elected members of Faculty Senate to the first official meeting of their terms. For those who may not have been present, allow me to extend that welcome again. Recall that, at the July meeting, we voted to include observers from the College of Podiatric Medicine on both Senate and EPC.

These have now been elected and I'd particularly like to welcome Larry Osher, who was the Chair of the OCPM Faculty Senate, and was elected as the first observer from the College of Podiatric Medicine on Kent State's Faculty Senate.

Recall also that Provost Diacon and I both mentioned at the July meeting the intent to create a Strategic Plan for Academic Affairs during this academic year. The Faculty Senate Executive, among others, has been supplied the names of faculty who might serve on the steering committee for this endeavor. I'd like to thank all of you who volunteered to your names included in that list. The Provost intends to constitute the committee and have it commence its activities in the very near future.

At the last meeting I mentioned that among the issues on which there was substantive agreement between the Executive and the President and Provost were the policy on distinguished rank, which has been pending for nearly 3 years. I have sent this back to the Professional Standards Committee for review, and anticipate bringing it back to Senate at the October or November meetings. I also expect to bring before one of those meetings, revisions to the Charter and Bylaws that have been pending for some time.

I would also like to briefly mention some further discussions and analysis proceeding on the study of implementation of online SSIs in line with the pilot study authorized by Faculty Senate last year. A technical committee has been constituted by Deb Huntsman and myself to examine the issues in linking the SSIs to access to grades, and also to look at other improvements which might increase the response rate. The committee invitation

includes representatives of the Colleges of Nursing and Business, Brian DeHoff and Paul Creed who developed the current system, and representatives of the registrar's office, and IT services. I have also discussed the pilot with Provost Diacon, and he is generally supportive of moving the SSIs online both for environmental reasons and to reduce the staff time spent in preparing the SSI and processing the responses. He would prefer, however, that the implementation not involved penalties for students such as delayed access to grades. The committee has heard from the Registrar's office about possibly difficulties in linking access to final grades to completion of the SSI, and also from various members on other strategies to increase response rates, and is also in the process of contacting other Universities on the technical details of their implementations. Suggestions we are implementing in some of the evaluations of courses to be carried out in the next few weeks include refining the addressing, subject and content of the emails. Some other suggestions such as requiring a link to the SSI in all syllabuses would require the approval of Senate. An observation which has arisen before at Chairs and Directors and in discussions with various faculty teaching fully online course, is that the current questionnaire contains questions which are inappropriate or irrelevant for such classes. Some students have remarked on this in their comments, but there is at the moment no statistical evidence that this has a substantial effect on response rates. A similar but more serious discrepancy arises in the case of other methods of delivery such as the Math Emporium. I will consider bringing this issue back to Senate during this academic year.

On a broader issue, I hope some of you had an opportunity to visit the sneak peek at the plans for *renovations* both here and at the other campuses of Kent State, and in the city and the region. I am amazed at the progress in the construction downtown and also the beginnings of the additional renovations and construction on campus. I know the expenditure on those on campus has created some controversy. I too was for quite a while ambiguous in my feelings, since I am hesitant to burden today's students with the cost of construction which they might not benefit from. But I realized that in national terms, I am very critical of the failure to invest in vital infrastructure such as bridges, roads and public transport. I believe one must invest in such projects to ensure that the environment is better rather than worse for our children. Sacrifices are always required of us to ensure a better future for our children or those of our friends and family. It seems to me at least somewhat hypocritical to advocate this at the national level, yet criticize a similar forward looking

approach at the institutional level. If we are to create a university that will serve students for the next 20 years, we need to invest now.

We should do this now for 2 reasons. First because many of our buildings are frankly overdue for renovation and are far less than optimal to promote learning, and secondly because, thanks in part to the fiscally conservative policies of the previous administration, and in particular Vice President Creamer we have reserves that enable us, when interest rates are low, to borrow the necessary funding at extremely favorable rates. If we are to do it, now is the time. I believe that we and our students will benefit from being part of a vital and inviting campus and college town. And additionally this investment in the region will create jobs and help our region recover and thrive.

At this stage let me summarize the agenda for today:

Report: University Council on Technology (Dr. Arden Ruttan)

Elections:

- a. Ohio Faculty Council ~ Faculty Senate Representative and Alternate
- b. Committee on Administrative Officers ~ One Senator and One Non-Senator (and Alternate for each)
- c. Faculty Ethics Committee ~ Two Senators and Alternates
- d. Call for Nominations for FaSBAC (Faculty Senate Budget Advisory Committee)

New Business: University Policy Regarding Administration of Student Conduct

Finally I would like to take this opportunity to welcome some special guests at this Faculty Senate meeting. These are nine science and technology scholars who are visiting Kent State as part of the 2012 Fulbright Visiting Scholar Program for Iraq. In addition to scholarly work in science and technology with their assigned mentors, the Fulbright Iraq scholars will engage in a wide range of cultural and civic activities, including visits to the Ohio Statehouse, the Ohio Board of Regents, local city council proceedings, and other events including this Faculty Senate meeting.

Dr. Nettey will now introduce each of the Fulbright Visiting Scholars:

- Ms. Shaheen Abdulkareem, Computer and Information Sciences, University of Dohuk
- Dr. Ahmed Al Abdawi, College of Medicine, Alnahrain University
- Dr. Suadad Al Bassam, Director of Physics, Baghdad University
- Dr. Haider Al Hadrawi, Department of Surgery/Radiology, University of Kufa
- Ms. Zainab Al Rubaye, Computer Science Department, University of Baghdad
- Dr. Ahmed Al Sulttani, Geography Department, Al Mustansiriyah University
- Dr. Khder Chalabi, Instructor, Biology, College of Education/Scientific Departments, Salahaddin University
- Mr. Ameer Hadi, College of Science, Computer Science Department, University of Babylon
- Dr. Kameran Ismail, Community Medicine, Hawler Medical University

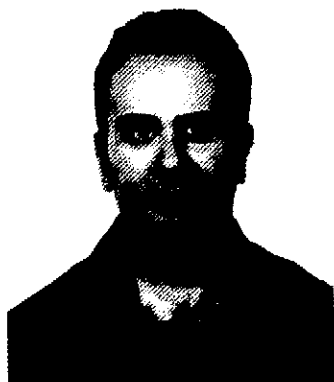
Let me conclude by extending a welcome to them on behalf of Faculty Senate and the faculty at Kent State.

Biographies for 2012 Kent State Fulbright Iraq Scholars Program in Science and Technology

Ms. Shaheen Abdulkareem
Assistant Lecturer
University of Dohuk

Professor Abdulkareem holds a Master of Science in Information Sciences from Twente University in the Netherlands and is an Assistant Lecturer at the University of Dohuk. Her areas of academic specialization are computer organization and architecture, computer microprocessors and assembly language, C++, OOP languages, and computer data structures. Her areas of research interest throughout the Fulbright Program are Integration of technology into the classroom and updated methodology of teaching artificial intelligence. Her faculty mentor will be Dr. Hassan Peyravi from the Computer Science Department. She lives in Dohuk City, Iraq, and speaks Kurdish, Arabic, and English.

Dr. Ahmed Al Abdawi
Lecturer, College of Medicine
Alnahrain University



Dr. Al Abdawi holds a Ph.D. in Medical Sciences from Alnahrain University and is a Lecturer in Medical Microbiology at Alnahrain University. His areas of academic specialization are medical microbiology, laboratory sessions and lectures in bacteriology, virology, and molecular biology. His areas of research interest throughout the Fulbright Program are building new bases of enhanced, modern, and practicable teaching approaches and research potential, DNA and RNA chips microarrays, molecular biology in the field of stem cells, bacteriophage biotechnology, recent advances in the manipulation of cell cultures for viral studies, and use of molecular assays for the direct detection of viruses in human beings. His faculty mentors will be Dr. Colleen Novak and Dr. Derek Damron from the Biological Sciences Department. He lives in Baghdad, Iraq, and speaks Arabic, English, and some French.

Dr. Suadad Al Bassam
Assistant Professor and Director of Physics
Baghdad University

Dr. Al Bassam holds a Ph.D. in Physics and Astronomy from Baghdad University and is an Assistant Professor and Director of Physics at Baghdad University. Her areas of academic specialization are optical fiber communication, fiber-optics and applications, optical fiber reflectivity sensors, characterization of the laser source of the DWDM system, laser pulse compression with optical fiber Bragg Grating, and ultrashort laser pulse generation using optical fiber Bragg Gratings. Her areas of research interest throughout the Fulbright Program are design of electro-optical systems in nano-dimensions such as sensors, wires, solar cells, etc., use of optical fiber Bragg Gratings in optical sensors, and preparations of nano-material to use as an efficient solar cell. Her faculty mentors will be Dr. Darwin Boyd from the College of Applied Engineering, Sustainability, and Technology and Dr. Grant McGimpsey from Research and Sponsored Programs. She lives in Baghdad, Iraq, and speaks Arabic and English.

Dr. Haider Al Hadrawi
Lecturer, Department of Surgery/Radiology
University of Kufa

Dr. Al Hadrawi holds an M.D. and is a Lecturer in the Department of Surgery and Radiology at the University of Kufa. His areas of academic specialization are neuroradiology, imaging in neurological, musculoskeletal, and abdominal diseases, lectures in neuroanatomy, physics, radiologic anatomy of the brain and skull, and Clinical Radiology sessions. His areas of research interest throughout the Fulbright Program are classroom management methods such as small group/large group interactions, methods of attracting and retaining student interest, and student-centered learning. His faculty mentor will be Dr. Roberto Uribe-Rendon from the College of Applied Engineering, Sustainability, and Technology. He lives in Najaf, Iraq, and speaks Arabic and English.

Ms. Zainab Al Rubaye
Assistant Lecturer, Computer Science Department
University of Baghdad



Professor Al Rubaye holds an M.S. in Computer Science from the University of Baghdad and is an Assistant Lecturer in the Computer Science Department at the University of Baghdad. Her areas of academic specialization are software aspects that make up a computer's operating system, including libraries of functions, system services, drivers for printers and other hardware, system preferences, and other configuration files. Her areas of research interest throughout the Fulbright Program are increasing interactive laboratory study methods and implementation of American experimental methods in Iraqi universities. Her faculty mentor will be Dr. Denise Bedford from the School of Library and Information Sciences. She lives in Baghdad, Iraq, and speaks Arabic, English, and some German.

Dr. Ahmed Al Sulttani
Instructor, Geography Department
Al Mustansiriyah University



Dr. Al Sulttani holds a Ph.D. in Geography from Al-Mustansiriyah University and is an Instructor at Al-Mustansiriyah University. His areas of academic specialization are applied geomorphology, GIS and remote sensing studies, hydrology, and researching and mapping of groundwater potential zones and land desertification. His areas of research interest throughout the Fulbright Program are learning new prospecting techniques and methodology used in prospecting and management of groundwater, training on geophysical instruments, and in field data interpretation. His faculty mentor will be Dr. Joe Ortiz from the Geology Department. He lives in Baghdad, Iraq, and speaks Arabic and English.

Dr. Khder Chalabi
Instructor, Biology, College of Education/Scientific Departments
Salahaddin University

Dr. Chalabi holds a Ph.D. in Biological Sciences from Kursk State University in Russia and is an Instructor in Biology at Salahaddin University. His areas of academic specialization are parasitology and intestinal parasites such as *Entamoeba histolytica* and *Giardia lamblia*. His areas of research interest throughout the Fulbright Program are educational administration, faculty development, and modern methodology in scientific research and teaching. His faculty mentor will be Dr. Gail Bromley from the College of Nursing. He lives in Erbil, Iraq, and speaks Kurdish, Arabic, English, and Russian.

Mr. Ameer Hadi
Lecturer, College of Science, Computer Science Department
University of Babylon

Professor Hadi holds an M.S. in Computer Science from Baghdad University of Technology and is an Assistant Lecturer in the Computer Science Department at the University of Dohuk. His areas of academic specialization are network security, system security, intrusion/anomaly detection, malware detection/analysis/defense, web and social network security. His areas of research interest throughout the Fulbright Program are curriculum development, educational leadership, use of technology in the classroom, and training programs to implement technology in the classroom. His faculty mentors will be Dr. Gordon "Joe" Murray from the College of Communication and Information and Dr. Gus Samba from the College of Applied Engineering, Sustainability, and Technology. He lives in Hilla, Iraq, and speaks Arabic and English.

Dr. Kameran Ismail
Lecturer, Community Medicine
Hawler Medical University

Dr. Ismail holds a Ph.D. in Public/Global Health from Hawler Medical University and is a Lecturer in Community Medicine at Hawler Medical University. His areas of academic specialization are environmental and air pollution, effects of war on the environment in Iraq, such as air pollution, land destruction, and water pollution, and creation of public awareness about the hazards of environmental health problems. His areas of research interest throughout the Fulbright Program are research regarding environmental health protection and ways of approaching air/environmental pollution, and exploration of availability of special research instruments/materials required to conduct research in environmental protection. His faculty mentor will be Dr. Xiaozhen "Jen" Mou in the Biological Sciences Department. He lives in Erbil, Iraq, and speaks Kurdish, Arabic, and English.



Board of Regents

John R. Kasich, Governor
Jim Petre, Chancellor

University System of Ohio

Request for Approval
Submitted By:

Kent State University

Establishment of a
Bachelor of Science Degree on
Construction Management

13 December 2012
(anticipated date of submission)



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REQUEST

Date of submission: 13 December 2012 (*anticipated date of submission*)

Name of institution: Kent State University

Degree/degree program title: Bachelor of Science degree in Construction Management

Primary institutional contact for the request

Name: Therese E. Tillett
Title: Director of Curriculum Services
Office of the Provost
Phone number: 330-672-8558
E-mail: ttillet@kent.edu

Delivery site(s): Kent Campus

Date request was approved by the governing board: Approved by the Kent State University Board of Trustees on 12 December 2012 (*anticipated date of approval*)

Proposed start date: Fall 2013

Date Institution established: 1910

Institution's programs: Degree programs at the associate, bachelor's, master's, post-master's and doctoral level; undergraduate and graduate certificates

Educator Preparation Programs:

Program lead to licensure: No
Program lead to endorsement: No

SECTION 1: INTRODUCTION

1.1 Brief summary of the request

Kent State University proposes to establish the major Construction Management within the Bachelor of Science degree, to replace an existing Construction Management concentration in the BS degree in Technology. The proposed degree program will be administered by the university's College of Applied Engineering, Sustainability and Technology¹, which houses BS degrees in Aeronautics, Applied Engineering and Technology, and the Master of Technology degree. Elevating the Construction Management concentration to major status will be beneficial to seeking national accreditation (e.g., American Council for Construction Education).

The Construction Management program has completed its fifth year of existence and has grown to more than 100 students enrolled. It is anticipated that the program will continue to grow for the foreseeable future. Moving to major status will expose the program to more students, create a more powerful tool to attract support from the construction industry, and put the program on the same level as many other Construction Management programs across the state and country.

¹ Effective summer 2012, the name of Kent State's College of Technology changed to the College of Applied Engineering, Sustainability and Technology.

SECTION 2: ACCREDITATION

2.1 Regional accreditation

Original date of accreditation: 1915
Date of last review: 2007-2008
Date of next review: 2014-2015

2.2 Results of the last accreditation review

Kent State University was reaccredited by the North Central Association Higher Learning Commission on 28 February 2008.
(www.kent.edu/aqip/upload/reaffirmation-of-accreditation-2008.pdf)

2.3 Notification of appropriate agencies

The Association of Technology, Management and Applied Engineering (ATMAE) has been notified by the college's former dean, Donald Bubenzer, of the plan to bring Construction Management forward for ATMAE accreditation in 2014. See Appendix A for ATMAE letter.

SECTION 3: LEADERSHIP—INSTITUTION

3.1 Mission statement

The mission of Kent State University is to discover, create, apply and share knowledge, as well as to foster ethical and humanitarian values in the service of Ohio and the global community. As an eight-campus educational system, Kent State offers a broad array of academic programs to engage students in diverse learning environments that educate them to think critically and to expand their intellectual horizons while attaining the knowledge and skills necessary for responsible citizenship and productive careers.

(www.kent.edu/president/mission-statement.cfm)

3.2 Organizational structure

The academic leadership for Kent State University can be found at
www.kent.edu/provost/administration/upload/org-chart-provost-office_2012_july-3.pdf

The administrative leadership and organizational structure for Kent State University can be found at www.kent.edu/president/upload/administrative-leadership-and-divisions-org-chart-2012-april_2.pdf.

SECTION 4: ACADEMIC LEADERSHIP—PROGRAM

4.1 Organizational structure

Describe the organizational structure of the proposed program. In your response, indicate the unit that the program will be housed within and how that unit fits within the context of the overall institutional structure. Further, describe the reporting hierarchy of the administration, faculty, and staff for the proposed program.

The proposed BS degree in Construction Management—much like the current Construction Management concentration within the Technology major—will be administered by the College of Applied Engineering, Sustainability and Technology, one of 12 colleges at Kent State University. The Construction Management program coordinator reports to the dean of the college who, in turn, reports to the provost and senior vice president for academic affairs. See Appendix B for the college's organizational structure.

Provide the title of the lead administrator for the proposed program and a brief description of the individual's duties and responsibilities. Include this individual's CV/resume as an appendix item.

The lead administrator of the proposed program is Assistant Professor Darwin Boyd, PhD (see Appendix C for curriculum vitae). Assistant Professor Boyd functions as the coordinator for the applied science and technology program areas within the college.

Describe any councils, committees or other organizations that support the development and maintenance of the proposed program. In your response, describe the individuals (by position) that comprise these entities, the terms of their appointment and the frequency of their meetings.

Excepting the Kent State University Board of Trustees and Faculty Senate, the key committees within the college and university that support the program are the following:

College's Applied Science and Technology Faculty Advisory Committee: This committee is composed of all full-time tenure-track and non-tenure-track faculty in the relevant program areas. This committee approved the Construction Management major on August 14, 2012.

College Curriculum Committee. This committee reviews and votes on all curricular proposals within the College of Applied Engineering, Sustainability and Technology. Membership includes faculty representatives from each of the divisions within the college. This committee meets monthly. Terms of appointment are one year although representatives may serve successive years. The College Curriculum Committee approved establishment of the Construction Management major on August 23, 2012.

Educational Policies Council: Co-chaired by the provost and Faculty Senate chair, the council comprises university deans and representation from Faculty Senate and the individual college curriculum committees. It is a sub-body of the Faculty Senate and is charged with curricular oversight for the university. The council meets approximately nine times a year; senators and college curriculum committee members are appointed annually. The council approved establishment of the Construction Management major on 17 September 2012 (*anticipated date*).

4.2 Program development

Describe how the proposed program aligns with the institution's mission.

Kent State's mission is to offer a broad array of academic programs to engage students in diverse learning environments that educate them to think critically and to expand their intellectual horizons while attaining the knowledge and skills necessary for responsible citizenship and productive careers. The Construction Management program allows students to prepare for a challenging career in the construction industry through relevant curriculum, project- and team-based learning and internship opportunities.

Describe how the program aligns with the chancellor's strategic plan for higher education in Ohio.

The proposed Construction Management major will also provide a greater visibility of the program as a result of being an independent major instead of a concentration in the Technology major. This will enable Northeast Ohio students and their parents to make a more fully informed choice when deciding where to attend college. At this time, some students are going out of state to pursue education in construction management. Among recent Kent State graduates are students who initially attended an out-of-state college and later returned to Ohio to study construction management at Kent State; some of these students reported becoming aware of the program when home during semester breaks to visit family in the area. Thus, a greater awareness of the program as a result of becoming an independent major will help to not only help to keep more of Ohio's graduates in state, but this greater visibility is likely to also attract more students from out of state. The program will also attract students from Pennsylvania and other surrounding states.

Indicate whether the institution performed a needs assessment/market analysis to determine a need for the program. If so, briefly describe the results of those findings. If completed, submit the full analysis as an appendix item.

The Construction Management concentration within the BS degree in Technology was established in fall 2007. Enrollment has grown tremendously over the past five years—a 641-percent increase between fall 2007 and fall 2011—as reported in the table below. A Construction Management minor was added in fall 2009, and its enrollment is also showing steady growth. The minor is open to all Kent State students (not optional for students declared in the Construction Management concentration) and is proving popular for students in the Architecture, Business and Technology majors, among others.

		fall 2007	fall 2008	fall 2009	fall 2010	fall 2011
Construction Management concentration	enrollment	17	48	86	102	109
	graduation	n/a	4	9	18	23 *
Construction Management minor	enrollment	n/a	n/a	2	4	8

* Number does not include graduates in summer 2012.

According to the Ohio Department of Job and Family Services², construction managers have high employment prospects in Ohio for 2018, with an average hourly wage in 2009 of nearly \$48, and a 10 percent increase in jobs from 2008 to 2018 with 277 job openings a year. Ohio is the fifth largest state in the country and has the highest employment level in construction management.³

At the national level, the Bureau of Labor Statistics⁴ reports that employment in the construction management field is growing about as fast as average, with a 17 percent increase between 2010 and 2020. Jobseekers who combine construction experience with a bachelor's degree in construction science, construction management or civil engineering should enjoy the best job prospects. National employment in 2010 was approximately 523,000, with nearly 86,600 new jobs expected to be created over between 2010 and 2020.

Results from a 2012 salary survey by the National Association of Colleges and Employers, showed that new graduates with a bachelor's degree in construction science or construction management saw a 1.9 percent increase to their median salary, receiving job offers averaging \$54,700 a year⁵.

Indicate whether the institution consulted with advisory groups, business and industry, or other experts in the development of the proposed program. If so, briefly describe the involvement of these groups in the development of the program.

The Construction Management Advisory Board was formed in June 2010 to assist in the development of the program as a stand-alone degree. The board worked to align the program and curriculum to the standards of the American Council for Construction Education (ACCE) for future accreditation. Members have unlimited term and meet four times annually. Current members are the following:

Name	Association, Title
Jeff Abke	Turner Construction Company, Project Manager
George Bigham	Kent State University, Lecturer
Amanda Comunale	S.A. Comunale Company, Vice President, Operations Support
Danny Ganim	Salvaggi Construction, Owner
Joseph Karpinski	Kent State University, Assistant Professor
John Kellamis	Lake Erie Electric Inc., Akron Office, Vice President
Jeff Klie	The Smith and Oby Company, Vice President, Estimating and Sales
Todd Shafer	Kent State Architect's Office, Project Manager
Marty Snode	Hummel Construction Company, Vice President
Carmine Torio	Home Builders Association of Portage and Summit Counties, Executive Vice President

² Ohio Department of Job and Family Services, *Occupations with High Employment Prospects in Ohio*. Retrieved from <http://ohiolmi.com/proj/projections/ohio/HighOccupationProspects.pdf>.

³ Bureau of Labor Statistics (May 2011), U.S. Department of Labor, *Occupational Employment and Wages*. Retrieved from <http://www.bls.gov/oes/current/oes119021.htm>.

⁴ Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook, 2012-13 Edition*. Retrieved from <http://www.bls.gov/ooh/management/construction-managers.htm#tab-6>.

⁵ National Association of College and Employers (April 2012), *Starting Salaries for New College Graduates*. Retrieved from <http://www.nacweb.org/salary-survey-april-2012-executive-summary.pdf>.

The following organizations provide educational and prospective job opportunities for Construction Management students and graduates:

Organization	Opportunities
Mechanical Contractors Association of, Cleveland (Tom Wanner, executive director)	<ul style="list-style-type: none"> • Sponsors Kent State Construction Management Student Organization • Provides funds for six to eight students to attend the annual MCAA Student Summit and MCAA National Conference • Participating mechanical companies provide student internships and job opportunities for graduates
Construction Specifications Institute of Akron-Canton (Bryan Corbin, president)	<ul style="list-style-type: none"> • Provides learning opportunities for students at monthly dinner meetings which include topics related to construction specifications. • Provides yearly scholarships for students • Provides financial support for Kent State Construction Management Student Organization
National Association of Home Builders of Summit/Portage Counties (Carmin Torio, executive vice president)	<ul style="list-style-type: none"> • Provides national student competition project yearly for students. Students who participate in the project during the fall semester present the project at the annual national conference in the spring. • Provides financial support for the student participants to attend NAHB National Conference
Association of General Contractors, Akron (Aaron Hall, executive director)	<ul style="list-style-type: none"> • Sponsors Kent State Construction Management Student Organization • Provides internship and job opportunities for students and graduates of the program
Associated Builders and Contractors, Northern Ohio Chapter (Ryan Martin, president/CEO)	<ul style="list-style-type: none"> • Sponsors Kent State Construction Management Student Organization • Provides student internships and job opportunities for graduates • Provides national student competition project yearly for students to participate in and provides financial support for students to attend the national conference in the spring

Indicate whether the proposed program was developed to align with the standards of a specialized or programmatic accreditation agency.

The proposed degree program was developed to align with the standards of the American Council for Construction Education (ACCE) and the Association of Technology, Management and Applied Engineering (ATMAE). The College of Applied Engineering, Sustainability and Technology plans to pursue ATMAE accreditation for the program at its next accreditation review, in 2014. The college will pursue ACCE accreditation within the next two-to- five years. The college's Applied Engineering and Technology degree programs are ATMAE accredited.

4.3 Collaboration with other Ohio institutions

Indicate whether any USO institution within a 30-mile radius of your institution offers the proposed program. If so, list the institutions that offer the proposed program and provide a rationale for offering an additional program at this site.

Only three Ohio institutions offer a four-year Construction Management undergraduate degree program: Bowling Green State University, the Ohio State University and the University of Cincinnati. Kent State University will fill the need in Northeast Ohio for a Construction Management degree program. Northeast Ohio has hundreds of construction companies and

construction management firms looking for construction management degreed candidates to fill the existing need for construction managers.

Several two-year institutions in Northeast Ohio offer associate degree programs in construction engineering/management/trades technology (Stark State College, Lorain Community College, Lakeland Community College, Cuyahoga Community College and Eastern Gateway Community College). Currently, Kent State is developing articulation agreements with Lakeland Community College and Cuyahoga Community College. Kent State will also pursue articulation agreements with the other mentioned two-year institutions above.

Indicate whether the proposed program was developed in collaboration with another institution in Ohio. If so, briefly describe the involvement of each institution in the development of this request and the delivery of the program.

The proposed program was not developed in collaboration with another Ohio institution.

SECTION 5: STUDENT SERVICES

5.1 Admissions policies and procedures

Describe the admissions requirements for the program. In your response, highlight any differences between the admission requirements for the program and for the institution as a whole.

The current and future admission requirements for the Construction Technology program are the same as for the institution as a whole for the baccalaureate. Admission requirements are outlined in the University Catalog: www.kent.edu/catalog/2012/info/policies/ad-ug.

Describe the transfer credit policies for the proposed program, including the use of credit transfer review committees and the maximum number of hours that can be transferred into the program. In your response, specifically address the credit that may be transferred (a) according to the Board of Regents' Transfer Assurance Guide and Career Technical Credit Transfer initiatives; and (b) other types of transfer credit awarded toward major program requirements (e.g., AP, life experience, CLEP).

Kent State's Transfer Center reviews and applies transfer coursework where appropriate as determined by state policies and faculty review. Kent State's residence policy requires that transfer students complete a minimum 30 semester hours (including 9 semester hours of upper-division coursework in the major) at Kent State to be awarded a bachelor's degree. The majority (91 percent) of courses in the Kent Core (general education requirements) are approved as Ohio Transfer Module courses. Advanced Placement, CLEP and Kent State's Credit-by-Exam are awarded for general education requirements and electives.

Kent State University is in the process of creating articulation agreements with Lakeland Community College and Cuyahoga Community College. A committee from the College of Applied Engineering, Sustainability and Technology—consisting of construction management faculty, coordinator of the applied science and technology program areas, academic advisors and assistant college dean—are working with each community college representatives in this

initiative to determine the appropriate transfer credit of all courses not handled by the above mentioned Ohio Transfer Module courses and Kent State's Transfer Center.

In addition, the university has formed tech prep agreements for the Construction Management program with over 20 career and technical schools in Northeast Ohio and will be reviewing others. For the Secondary Career-Technical Alignment Initiative, Kent State Assistant Professor Joseph Karpinski is serving as a panel expert for the construction technologies career field. See Appendix D for articulation agreements.

5.2 Student administrative services

Indicate whether the student administrative services (e.g., admissions, financial aid, registrar, etc.) currently available at the institution are adequate to support the program. If new or expanded services will be needed, describe the need and provide a timeline for acquiring/implementing such services.

As the proposed major is an existing program, the student administrative services currently available are adequate to support the program change from a concentration to a major.

5.3 Student academic services

Indicate whether the student academic services (e.g., career services, counseling, tutoring, ADA, etc.) currently available at the institution are adequate to support the program. If new or expanded services will be needed, describe the need and provide a timeline for acquiring/implementing such services.

The student academic services currently available at Kent State are adequate to support the program change from a concentration to a major.

SECTION 6: CURRICULUM

6.1 Introduction

Provide a brief description of the proposed program as it would appear in the catalog.

The Bachelor of Science degree in Construction Management focuses on how to apply a professional-service approach based on current research in management to the oversight of construction projects in both the office and field. The program requires the student to become proficient in the major aspects of building construction from inception to completion, with an emphasis on a broad introduction to materials and methods and specialized courses that enable graduates to estimate costs, schedule work, oversee construction-worksite activities and manage projects.

The presence of major construction companies and large architect/engineering firms in the region provides ample co-operative opportunities. The migration to green technology emphasis and increasingly sophisticated construction projects require stronger project management emphasis, making this program viable well into the future.

[2012 catalog copy for the Construction Management concentration within the BS degree in Technology: www.kent.edu/catalog/2012/at/ug/tech.]

6.2 Program goals and objectives

Describe the goals and objectives of the proposed program. In your response, indicate how these are operationalized in the curriculum.

The goal of the Bachelor of Science degree in Construction Management is to prepare students for professional careers in the management of construction projects.

Learning Outcomes: Upon graduation, students will be able to:

1. Demonstrate an understanding of construction materials, methods and processes;
2. Be competent in reading and understanding construction drawings and specifications;
3. Control and manage the scope of work for a construction jobsite;
4. Maintain a safe work environment;
5. Prepare quantity takeoffs and cost estimates;
6. Understand the scheduling process and use computer software to create construction schedules;
7. Believe in and uphold ethical and professional standards;
8. Use critical thinking and problem solving skills to analyze and perform functions within construction projects;
9. Have strong communication skills needed to operate effectively in a construction management environment; and
10. Have an understanding of construction laws, codes and regulations.

The above learning outcomes will be measured through the student's participation in a required co-operative education experience (TECH 33092), during which students will be evaluated by their direct supervisor for the company as well as the faculty assigned to monitor and evaluate the co-op experience.

Students will also be required to take the Construction Capstone course (CMGT 42110), which will include all learning outcomes listed above in the participation and completion of the course.

Finally, all students will be required to take the American Institute of Constructors Construction Professional Certification Level 1 exam, which will provide feedback regarding competency in all of the above learning outcomes.

6.3 Course offerings/descriptions

Complete the following table to indicate the courses that comprise the program. Please list courses in groups by type (e.g., major/core/technical, general education, elective) and indicate if they are new or existing courses.

Course (number/name)	Cr hrs	Major/ Tech/ Business	General Education (Kent Core)	Elective	OTM TAG CTAG	New/ Existing Course
CONSTRUCTION MANAGEMENT COURSES * (39 credit hours)						
CMGT 10001 Introduction to Construction Management	3	■				New
CMGT 11044 Construction Safety (name and level change)	3	■				Existing/ Updated
CMGT 11071 Construction Materials and Methods I	3	■				New
CMGT 21071 Construction Materials and Methods II (name change)	3	■				Existing/ Updated
CMGT 22200 Construction Document Reading	3	■				Existing
CMGT 31023 Construction Surveying	3	■				Existing
CMGT 31033 Mechanical Systems	3	■				Existing
CMGT 31040 Electrical Systems for Construction Managers	3	■				New
CMGT 41040 Construction Estimating I	3	■				Existing
CMGT 41041 Construction Estimating II	3	■				Existing
CMGT 42105 Construction Contracts and Law (name change)	3	■				Existing/ Updated
CMGT 42107 Construction Scheduling	3	■				Existing
CMGT 42110 Construction Management Capstone	3	■				New
TECHNOLOGY COURSES (13 credit hours)						
TECH 13580 Engineering Graphics I	3	■				Existing
TECH 21021 Survey of Electricity and Electronics	4	■				Existing
TECH 33092 Cooperative Education–Professional Development (new course number) <i>Writing Intensive and Experiential Learning Requirement</i>	3	■				Existing
TECH 33111 Strength of Materials	3	■				Existing
BUSINESS COURSES ** (12 credit hours)						
ACCT 23020 Introduction to Financial Accounting	3	■			TAG	Existing
MIS 24053 Introduction to Computer Applications	3	■			TAG	Existing
MIS 24163 Principles of Management	3	■				Existing
MKTG 25010 Principles of Marketing	3	■			TAG	Existing
KENT CORE / ADDITIONAL REQUIREMENTS (57 credit hours)						
Kent Core Composition	6		■		OTM	Existing
Kent Core Humanities and Fine Arts	9		■		OTM	Existing
Kent Core Social Sciences	3		■		OTM	Existing
Kent Core Basic Sciences	3		■		OTM	Existing
ECON 22060 Principles of Microeconomics (Kent Core Social Sciences)	3	■	■		OTM TAG	Existing
ECON 22061 Principles of Macroeconomics (Kent Core Additional)	3	■			OTM TAG	Existing
ENG 20002 Introduction to Technical Writing	3	■				Existing
MATH 11010 Algebra for Calculus (Kent Core Mathematics and Critical Reasoning)	3		■		OTM	Existing

Course (number/name)	Cr hrs	Major/ Tech/ Business	General Education (Kent Core)	Elective	OTM TAG CTAG	New/ Existing Course
MATH 11022 Trigonometry (Kent Core Additional)	3		■		OTM	Existing
PHY 13001 General College Physics I (Kent Core Basic Sciences)	4		■		OTM	Existing
PHY 13021 General College Physics Laboratory I (Kent Core Basic Sciences)	1		■		OTM	Existing
US 10097 Destination Kent State: First Year Experience	1		■			Existing
General Electives (9 upper-division hours required) recommended COMM 15000 Introduction to Human Communication; recommended TECH 10001 Information Technology; recommended FIN 36053 Business Finance to complete Business minor)	15			■		Existing
Total Credit Hours		121				

- * Existing construction management (CMGT) courses were formerly under the course subject TECH.
 ** Courses comprise the Business minor. Students wishing to declare the minor may use these courses plus
 elective FIN 36053 to fulfill the requirements.

Provide a brief description of each course in the proposed program as it would appear in the course catalog. In your response, include the name and number of the course. Submit course syllabi as appendix items.

See Appendix E for construction management course syllabi.

- NEW** CMGT 10001 INTRODUCTION TO CONSTRUCTION MANAGEMENT (3)
 Serves to introduce the basic terms, concepts, procedures and current trends in the construction industry. Prerequisite: none.
- CMGT 11044 CONSTRUCTION SAFETY (3)
 The theories and principles of construction safety and health applied to real-world setting. Upon completion of course materials and required attendance hours, students receive their OSHA 30 certification. Prerequisite: none.
- NEW** CMGT 11071 CONSTRUCTION MATERIALS AND METHODS I (3)
 An introduction to principles of building construction including preparation for the structures and environmental control sequences. It may also include a more detailed and systematic look at wood light frame construction. Prerequisite: none.
- CMGT 21071 CONSTRUCTION MATERIALS AND METHODS II (3)
 This course ties together steel and concrete structural systems and the integration of building service systems with a focus on the construction and detailing of building enclosure systems. Prerequisite: CMGT 11071.
- CMGT 22200 CONSTRUCTION DOCUMENT READING (3)
 The reading and understanding of the drawings that are used to communicate information about commercial and residential buildings. Prerequisite: none.
- CMGT 31023 CONSTRUCTION SURVEYING (3)
 The study of surveying including fieldwork using state of the art equipment and its relationship to the construction documents. Prerequisite: CMGT 22200.

CMGT 31033 MECHANICAL SYSTEMS (3)

An overview of mechanical systems in commercial and residential buildings. Prerequisite: none.

NEW

CMGT 31040 ELECTRICAL SYSTEMS FOR CONSTRUCTION MANAGERS (3)

An overview of electrical systems in commercial and residential buildings. Prerequisite: TECH 21021

CMGT 41040 CONSTRUCTION ESTIMATING I (3)

Introduction to estimating and the quantity takeoff process needed to complete accurate estimates for all types of construction projects. Prerequisite: CMGT 22200.

CMGT 41041 CONSTRUCTION ESTIMATING II (3)

Putting costs to the project, finalizing the bid, incorporating the estimate into the schedule, buying out the project, bidding ethics and using computer spreadsheets including Excel to automate estimating functions. Prerequisite: CMGT 41040.

CMGT 42105 CONSTRUCTION CONTRACTS AND LAW (3)

The fundamentals of construction contracts and law, the impact of information technology on contracts and contracting, and the effect of contracts and law on the management, administration, and the costs of construction work. Prerequisite: none.

CMGT 42107 CONSTRUCTION SCHEDULING (3)

The traditional theory of planning, scheduling and controlling construction projects. Current industry standard computer applications for scheduling will be utilized. Prerequisite: none.

NEW

CMGT 42110 CONSTRUCTION MANAGEMENT CAPSTONE (3)

The application of all previous construction management courses and experiences to ensure all major learning objectives have been obtained and that these learning objectives can be applied to performance similar to industry practices. Prerequisite: senior standing.

TECH 13580 ENGINEERING GRAPHICS I (3)

Technique of engineering drawing, lettering, instrument use, freehand drawing, orthogonal projection, sections, single and double auxiliaries, dimensioning, screw threads, charts and graphs. Prerequisite: none.

TECH 21021 SURVEY OF ELECTRICITY AND ELECTRONICS (4)

Survey of DC and AC circuits, electronic devices, amplifiers, sensors and transducers, digital circuits, motors generators and controls. Includes laboratory. Not intended for Applied Engineering-Computer and Electronics (AENG) majors. Corequisite: MATH 11022.

TECH 33092 COOPERATIVE EDUCATION-PROFESSIONAL DEVELOPMENT (3)

(Repeatable for maximum 6 hours) Supervised work-study experience in approved business or industrial environment relative to the student's major. The 3 credit hour co-op experience must be for a period of at least 12 consecutive weeks at 40 hours per week, or 30 hours per week for 15 weeks, totaling not less than 450 hours. Most co-ops occur during the summer. Students can earn up to an additional 3 credit hours (one to three per co-op – 150 work hours per credit hour) over the course of their college career as long as each co-op has a different focus. Prerequisites: sophomore standing and 2.25 GPA and special approval.

TECH 33111 STRENGTH OF MATERIALS (3)

An analytical study of the relaxation between the external forces applied to elastic materials and the resulting deformations and stresses. Prerequisite: PHY 13001.

ACCT 23020 INTRODUCTION TO FINANCIAL ACCOUNTING (3)

(Equivalent to ACTT 11000) Introduction to principles of accounting as they relate to financial accounting and the preparation of financial statements. Prerequisite: none.

MIS 24053 INTRODUCTION TO COMPUTER APPLICATIONS (3)

(Equivalent to COMT 11000) Develop competency in the operation of contemporary software and hardware applications. To develop an appreciation for the contribution of computers, software and the Internet to society. Prerequisite: none.

MIS 24163 PRINCIPLES OF MANAGEMENT (3)

(Equivalent to BMRT 11009) Introductory course in management and organizational design. The leading contributions in the area are reviewed and practical implications are developed. The course covers the principles that most management professors have come to expect in an introductory course: planning, organizing, leading, and controlling. In addition, the students need to be aware of critical issues managers must be aware of to succeed: diversity, globalization, ethics, technology, among them. The course serves as an introduction to many upper level business courses. Prerequisite: minimum sophomore standing.

MKTG 25010 PRINCIPLES OF MARKETING (3)

(Equivalent to BMRT 21050) An overview of the processes, activities, and problems associated with the conception, planning, and execution of the pricing, promotion, and distribution of ideas, goods and services to create exchange values in the market. Offered both as an in-class and online course. Prerequisite: ECON 22060.

ECON 22060 PRINCIPLES OF MICROECONOMICS (3)

Principles and policies affecting prices, including factor incomes, under alternative market structures. Tools developed to examine social problems, including poverty, crime, pollution and international relations. Prerequisite: MATH 10007 or one course from MATH 10023-49999; or ALEKS math upper-level minimum score of 30; or ALEKS math single assessment score of 45.

ECON 22061 PRINCIPLES OF MACROECONOMICS (3)

Principles and policies affecting aggregate production, consumption, investment and government expenditures. Includes role of money, the banking system, inflation, unemployment and economic growth. Prerequisite: ECON 22060.

ENG 20002 INTRODUCTION TO TECHNICAL WRITING (3)

Introduction to communication practices within technical communities. Planning, drafting, revising and editing. Process descriptions, object descriptions, instructional texts, technical correspondence, problem reports, critical reflection. Prerequisite: ENG 11011 or HONR 10197.

MATH 11010 ALGEBRA FOR CALCULUS (3)

Study of elementary functions and graphs, including polynomial, exponential and logarithmic functions; complex numbers; binomial theorem. No credit earned for this course if student earned credit for MATH 11011 or 12001. Prerequisite: minimum C (2.0) grade in MATH 10007 or MATH 10024; or ALEKS math upper-level minimum score of 40; or ALEKS math single assessment minimum score of 55.

MATH 11022 TRIGONOMETRY (3)

Solution of triangles, trigonometric equations and identities. Prerequisite: minimum C (2.0) grade in MATH 11010 (may be a corequisite); or ALEKS math upper-level minimum score of 50; or ALEKS math single assessment minimum score of 67.

PHY 13001 GENERAL COLLEGE PHYSICS I (4)

Principles of mechanics, heat and sound. Three-hour lecture, one-hour recitation. Pre- or corequisite: MATH 11022 or 12002 or 12021. Corequisite: PHY 13021.

PHY 13021 GENERAL COLLEGE PHYSICS LABORATORY I (1)

Introductory lab to accompany PHY 13001 or PHY 13011. Corequisite: PHY 13001 or PHY 13011.

US 10097 DESTINATION KENT STATE: FIRST YEAR EXPERIENCE

(Equivalent to US 10002 and 20007) Assists student in making a successful academic transition to the university through experiential or intellectually engaging discipline-based content. Required of all first year students. Not required of transfer students with 25 or more credit hours. Prerequisite: none.

6.4 Program sequence

See semester-by-semester sequencing (“roadmap”) in Appendix F

6.5 Alternative delivery options (please check all that apply):

- ☐ More than 50% of the program will be offered using a fully online delivery model
- ☐ More than 50% of the program will be offered using a hybrid/blended delivery model
- ☐ More than 50% of the program will be offered using a flexible or accelerated delivery model

Not applicable at this time for the BS degree in Construction Management.

6.6 Off-site program components (please check all that apply):

- ☒ Co-op/Internship/Externship
- ☐ Field Placement
- ☐ Student Teaching
- ☐ Clinical Practicum
- ☐ Other

Course TECH 33092 Cooperative Education–Professional Development, a required course in the program, is a supervised work-study experience in an approved construction environment relative to the student’s Construction Management major. Students will be required to intern at least one time throughout their college career. The co-op experience must be for a period of at least 12 consecutive weeks at 40 hours per week, or 30 hours per week for 15 weeks, totaling not less than 450 hours. Most co-ops occur during the summer. Students can earn up to an additional 3 credit hours (one to three per co-op – 150 hours per credit hour) over the course of their college career as long as each co-op has a different focus. The additional co-op hours can be used to satisfy the elective requirements.

SECTION 7: ASSESSMENT AND EVALUATION

7.1 Program assessment

Name of the unit/position responsible for directing assessment efforts.

The College of Applied Engineering, Sustainability and Technology will be responsible for directing assessment efforts.

Description of the measurements used. Description of any committees or groups that assist the unit. Frequency of data collection and data sharing. Describe how results are used to inform the institution and the program.

The following policies and procedures are in place to assess and evaluate the proposed program. These evaluations are instigated, performed, and reviewed by the program faculty and the Advisory Board. As the data is collected, the information is used to modify and revise the curriculum as appropriate.

- Establishing curriculum and program to meet and achieve American Council for Construction Education (ACCE) accreditation. Continuously collecting this data and implementing the requirements into the program.
- Class evaluations: collected upon completion of each class.
- Construction Management Advisory Board meetings: meet quarterly.
- Graduate exit survey: requested from students in the final semester of their classwork.
- Graduate industry surveys: requested from graduates one year, and then five years, after graduation.
- Graduate employer surveys: requested from graduates' employers one year, and then five years, after graduation.
- Employment placement statistics: collected at the end of each semester from graduates from the past two semesters.
- Passage of the American Institute of Constructors Construction Professional Certification Level 1: exam taken at the end of last semester for by graduating seniors. Will be required as part of Construction Capstone Management course (CMGT 42110).
- Information on retention/transfer/new students: collected at beginning of each semester.
- AQIP: use of WEAVEonline application to collect and store data to improve the program.

7.2 Measuring student success

Name of the unit/position responsible for directing assessment efforts.

Full-time Construction Management faculty will be responsible for directing assessment efforts.

Frequency of data collection and data sharing. Describe the results used to inform the student as they progress through the program. Description of any committees or groups that assist the unit. Description of the measurements used. Initiatives used to track student success after program completion.

The following policies and procedures are in place to assess and evaluate the student's success. These evaluations are instigated, performed, and reviewed by the program faculty and the Advisory Board. As the data is collected, the information is used to modify and revise the curriculum as appropriate. This information is also used to communicate to the student on their progression and success in the program.

- Passage of the American Institute of Constructors Construction Professional Certification Level 1: exam taken at the end of last semester for by graduating seniors. Will be required as part of Construction Management Capstone course (CMGT 42110).

- Completion of Construction Management Capstone course (CMGT 42110): all graduating seniors must successfully complete this course as a requirement of graduation.
- Cooperative education: all students will be required to participate in a minimum of 400 hour co-op experience with a survey provided by the student and the employer upon completion.
- Graduate exit survey: requested from graduates in the final semester of their classwork.
- Graduate industry surveys: requested from graduates one year, and then five years, after graduation.
- Graduate employer surveys: requested from graduates' employers one year, and then five years, after graduation.
- Student competitions: students are encouraged to participate at annual competitions around the country.
- Community service: students are encouraged to complete 20 hours of service each semester.
- AQIP: use of WEAVEonline application to collect and store data to improve the program.

SECTION 8: FACULTY

8.1 Faculty appointment policies

Describe the faculty designations available (e.g., professor, associate professor, adjunct, instructor, clinical, etc.) for the proposed program's faculty. In your response, define/describe the differences between the designations. Describe the credentialing requirements for faculty teaching in the program (e.g., degree requirements, special certifications or licenses, experience, etc.).

Faculty Rank	Required Degree for Initial Hire/Appointment	Degree Required for Tenure	Terminal Degree
NTT - Lecturer	Bachelors	NA	Master's
NTT - Associate Lecturer	Master's	NA	Doctorate
NTT - Senior Lecturer	Master's	NA	Doctorate
NTT - Assistant Professor	Master's	NA	Master's
NTT - Associate Professor	Doctorate	NA	Doctorate
NTT - Professor	Doctorate	NA	Doctorate
TT - Instructor	Master's	NA	Master's
TT - Assistant Professor	Master's	Doctorate	Doctorate
TT - Associate Professor	Doctorate	Doctorate	Doctorate
TT - Professor	Doctorate	Doctorate	Doctorate

Determination of academic rank is a function of the combination of earned academic credentials and demonstrable experience and achievement appropriate to the level of appointment.

The basic definitions of faculty ranks at Kent State are the following:

1. Non-Tenure-Track (NTT) Ranks

- a. **Lecturer.** This rank is intended for persons initially hired as full-time NTT faculty who do not possess the terminal degree in their discipline or a related field, and may not have the credentials to qualify as an associate lecturer or senior lecturer. Full-time NTT

lecturers are hired by the college dean in consultation with the College Advisory Committee and the associated academic program area coordinator. Full-time NTT lecturers may vote and serve on some college committees.

- b. **Associate Lecturer.** Hire to or promotion to this rank is based upon academic achievement, professional development, performance, professional experience, and university citizenship according to the criteria defined by the college for the associate lecturer rank. Persons assigned to this rank do not hold the terminal degree in their discipline or a related field.
- c. **Senior Lecturer.** Promotion to this rank requires credentials and achievements beyond those required for promotion to associate lecturer. This rank is reserved for senior faculty members who have achieved significant recognition in and impact on their discipline, and on academic achievement, professional development, performance, professional experience, and university citizenship according to the criteria defined by the college for the senior lecturer rank. Persons assigned to this rank do not hold the terminal degree in their discipline or a related field.
- d. **Assistant Professor.** This rank is normally the entry level rank for full-time NTT faculty holding the terminal degree in an appropriate discipline, and who may not have the credentials to qualify as an NTT associate professor or NTT professor.
- e. **Associate Professor.** Hire to or promotion to this rank is based upon possession of the terminal degree in an appropriate discipline, and significant academic achievement, professional development, performance, professional experience, and university citizenship according to the criteria defined by the college for the NTT associate professor rank.
- f. **Professor.** Promotion to this rank requires credentials and achievements beyond those required for promotion to NTT associate professor rank, and is reserved for senior faculty members who have achieved significant recognition in and impact on their discipline. Promotion is based upon possession of the terminal degree, and on academic achievement, professional development, performance, professional experience and university citizenship according to the criteria defined by the college for the NTT professor rank.

2. Tenure-Track (TT) Ranks

- a. **Instructor.** This rank is intended for persons initially hired with a master's degree. Full-time instructors are hired by the college dean in consultation with the College Advisory Committee. Ideally these faculty members would have the terminal degree in an appropriate discipline; however, individuals with a master's degree and an appropriate level of experience, can also be considered. Full-time TT lecturers may vote and serve on some college committees.
- b. **Assistant Professor.** This rank is normally the entry level rank for TT faculty holding the terminal degree in an appropriate discipline, and whose professional experience and/or demonstrated academic performance warrants this rank according to the criteria defined by the college for the TT assistant professor rank.
- c. **Associate Professor.** Hire to or promotion to this rank is based upon possession of the terminal degree in an appropriate discipline, and significant academic achievement, professional development, professional experience, and university citizenship according to the criteria defined by the college for the TT associate professor rank.
- d. **Professor.** Promotion to this rank requires credentials and achievements beyond those required for promotion to TT associate professor, and is reserved for senior faculty members who have achieved significant recognition in and impact on their discipline and

on academic achievement, professional development, professional experience, and university citizenship according to the criteria defined by the college for TT professor rank.

Describe the institution's load/overload policy for faculty teaching in the proposed program.

Faculty contracts stipulate that a tenure-track faculty appointment carries with it a teaching load of 12 credit hours per instruction semester (total of 24 hours for the academic year). Non-tenure-track faculty is assigned 15 credit hours per instruction semester (total of 30 hours for the academic year).

Indicate whether the institution will need to identify additional faculty to begin the proposed program. If additional faculty members are needed, describe the appointment process and provide a timeline for hiring such individuals.

One additional full-time non-tenure-track faculty member was hired in December 2011. Additional full-time faculty will not be needed until enrollment grows to at least 125 students.

8.2 Program faculty

Number of existing Construction Management faculty members available to teach in the proposed program.

Full-time: 2

Less than full-time: 6

Estimate of the number of Construction Management faculty members to be added during the first two years of program operation.

Full-time: 1

Less than full-time: 2

8.3 Expectations for professional development/scholarship

Describe the institution's general expectations for professional development/scholarship activities by the proposed program's faculty. In your response, describe any differences in the expectations for tenure-track vs. non tenure-track faculty and for full-time vs. part-time faculty. Indicate the financial support provided for such activities. Include a faculty handbook outlining the expectations and documenting support as an appendix item.

See Appendix G for the Faculty Handbook of the College of Applied Engineering, Sustainability and Technology.

8.4 Faculty matrix

Complete a faculty matrix for the proposed program. A faculty member must be identified for each course that is a required component of the curriculum. If a faculty member has not yet been identified for a course, indicate that as an “open position” and describe the necessary qualifications in the matrix (as shown in the example below). A copy of each faculty member’s CV must be included as an appendix item.

Below are faculty members teaching the Construction Management courses. Other required coursework in the program are required or electives in other university programs, using faculty from those respective academic departments. Faculty CV is provided in Appendix H.

Name of instructor	Rank or title	Full or part time	Terminal degree title, discipline, institution, year	Years teaching/ experience	Course(s) individual will teach in the program	# courses taught/ year at all campuses
George F. Bigham	Lecturer (NTT)	FT	Master of Construction Science and Management, Clemson University, 1998	.5 years teaching; 16 years in construction management	CMGT 10001 Introduction to Construction Management; CMGT 41040 Construction Estimating I; CMGT 41041 Construction Estimating II; CMGT 42107 Construction Scheduling; CMGT 42110 Construction Management Capstone	5
Michael J. Gallagher	Adjunct Instructor	PT	Bachelor of Mechanical Engineering, University of Dayton, 1979	4 years teaching; 30+ years in mechanical contracting	CMGT 31033 Mechanical Systems	1
Joseph Karpinski	Assistant Professor (NTT)	FT	Master of Technology, Kent State University, 2005	34 years teaching; 30+ in residential construction	CMGT 11071 Construction Materials and Methods I; CMGT 21071 Construction Materials and Methods II; CMGT 22200 Construction Document Reading; CMGT 42105 Construction Contracts and Law	5
John Kellamis	Adjunct Instructor	PT	Master of Business Administration, Walsh University, 2007	4 years teaching; 26 years in mechanical and electrical contracting	CMGT 31040 Electrical Systems	1
Brent W. Redeker	Adjunct Instructor	PT	BS Construction, University of Akron, 1994	3 years teaching; 10+ years in construction	CMGT 31023 Construction Surveying	1
Sharonda Sammons	Adjunct Instructor	PT	Bachelor of General Studies, Kent State University, 1999	3 years teaching; 5+ years in OSHA safety	CMGT 11044 Construction Safety	1

SECTION 9: LIBRARY RESOURCES AND INFORMATION LITERACY

9.1 Library resources

Describe the institution's intent to incorporate library orientation and/or information literacy into the proposed program. In your response, describe any initiatives (e.g., seminars, workshops, orientations) that the institution uses or intends to use for faculty and students in the program. Describe the library resources in place to support the proposed program (e.g., print, digital, collections, consortia, memberships, etc.). Describe any additional library resources that will be needed to support the request and provide a timeline for acquiring/implementing such services. Where possible, provide a list of the specific resources that the institution intends to acquire, the collaborative arrangements it intends to pursue and monetary amounts the institution will dedicate to the library budget to support and maintain the proposed program.

Kent State University Libraries has a dedicated subject librarian for the College of Applied Engineering, Sustainability and Technology. This librarian works with the faculty in the programs to assess current information resources and determine needs for any additional resources for this program. The yearly monograph allocation for the College of Applied Engineering, Sustainability and Technology is \$4,460.35, and the serials allocation is \$13,303.80.

University Libraries has a collection of approximately 2.4 million volumes, with an annual circulation of approximately 600,000 transactions. Out of a \$4.4 million collection allocation, \$2.028 million is spent on ongoing electronic resources. \$3.3 million is spent on serials, both print and electronic, and about \$1 million is spent on monographs. Kent State University Libraries is a member library of the Association of Research Libraries, a founding member of OhioLINK and a member of the Center for Research Libraries.

The Kent State University Libraries' online public access catalog, KentLINK, offers searching of the holdings of all of Kent State University eight campuses. Additionally, the Kent State University Libraries are a federal repository for government documents.

9.2 Information literacy

Describe additional resources (e.g., classrooms, laboratories, technology, etc.) that will be needed to support the proposed program and provide a timeline for acquiring/implementing such resources.

Kent State University Libraries' Instructional Services strive to educate students on finding and using information effectively and ethically. In the 21st century, this includes not only the skills and critical thinking associated with information literacy, but also the skills and reasoning related to technology and media fluency.

University Libraries work toward these educational goals by collaborating with faculty and teaching assistants across the university, by working with students one-on-one and in classes, and by offering engaging and innovative courses. Its information literacy plan guides efforts to help students become savvy and effective information users. University Libraries has created systematic approaches to some of the more important curricular programs and needs of the university, including first-year experience, college writing (skill modules), high school outreach, distance learning and plagiarism education.

The subject librarian for the College of Applied Engineering, Sustainability and Technology will continue to work with faculty to assess and further integrate information literacy instruction into the Construction Management program.

SECTION 10: BUDGET, RESOURCES, AND FACILITIES

10.1 Resources and facilities

Describe additional resources (e.g., classrooms, laboratories, technology, etc.) that will be needed to support the proposed program and provide a timeline for acquiring/ implementing such resources.

As Construction Management is an existing program, current facilities are adequate to support the change to major status. In the near future, facilities for programs within the College of Applied Engineering, Sustainability and Technology will be upgraded and expanded.

10.2 Budget/financial planning

Complete the table on the following page to describe the financial plan/budget for the first three years of program operation.

Fiscal Impact Statement for the BS Degree in Construction Management

	Year 1	Year 2	Year 3	Year 4
I. Projected Enrollment				
Head-count full time				
Head-count part time				
Full-time equivalent (FTE) enrollment	100	118	135	152
II. Projected Program Income				
Tuition (paid by student or sponsor)				
Expected state subsidy	\$ 423,032	\$ 488,010	\$ 559,198	\$ 635,883
Externally funded stipends, as applicable				
Other income				
Total projected program income	\$ 338,839	\$ 390,885	\$ 447,905	\$ 509,328
III. Program Expenses				
New Personnel				
▪ Instruction (technical, professional, general education)				
Full: 1	\$ 59,272	\$ 60,457	\$ 61,666	\$ 62,899
Part Time: 1.5 to 2	\$ 4,500	\$ 4,500	\$ 6,000	\$ 6,000
▪ Non-instruction (indicate roles in narrative section)				
Full: 0				
Part time: 0				
New facilities/building/space renovation (if applicable)				
Scholarship/stipend support (if applicable)				
Additional library resources (if applicable)	\$ 2,000	\$ 2,060	\$ 2,121	\$ 2,184
Additional technology or equipment needs (if applicable)	\$ 10,000	\$ 10,300	\$ 10,609	\$ 10,927
Other expenses (if applicable)	\$ 9,663	\$ 40,803	\$ 41,951	\$ 43,120
Total projected expense	\$ 103,435	\$ 105,760	\$ 109,617	\$ 112,019

Budget Narrative:

Tuition and subsidy are estimated from fiscal year 2011 actual rates per course using typicals for students in the existing Construction Management concentration within the Technology major. Both tuition and subsidy are assumed to escalate at three percent annually over the period.

Enrollment headcount is projected using current fiscal year 2011 fall headcount. Full-time equivalency (FTE) assumes 0.8 FTE of the headcount. Growth is projected assuming 20 new entering freshmen and an annual attrition rate of 10 percent. The 20 new annual freshmen assumes a contribution of one student per high school with whom Kent State will have tech prep articulation agreements for the high school construction programs.

No part-time enrollment is estimated; rather the line shown as full-time head count reflects all head count, and a factor of 0.8 is used to adjust for a portion of the total being part time.

Full-time faculty salaries are based on current full-time faculty. One existed as full time during the startup of the Construction Management concentration, and the second joined the faculty in spring 2012. Thus, faculty pay levels are well defined for full time. Annual escalation is assumed at two percent.

Part-time faculty salaries are based on current levels for fiscal year 2011. Escalation is assumed at three percent annually plus a growth rate equal to the projected headcount growth over the period. Therefore, part-time faculty salaries are well established with consideration for growth.

Benefits are based on methods used by the Kent State Office of the Provost for RCM (responsibility centered management) forecasting. The cost of medical coverage for full time faculty is assumed to escalate five percent annually.

Considerations are included for library costs (\$2,000 base funding in first year), equipment costs (\$10,000 base funding in first year), and a modest amount of seed funds for research, professional and program development (\$10,000 base funding in first year). Escalation is included at three percent annually for each of these costs over the period.

Other revenues arise from course fees. Since these are typically used to address course consumables and special annual costs such as student software licenses, these revenues and the related expenses they address are assumed to be approximately equal on an annual basis. Since the net impact is essentially zero, the course fee revenues and corresponding expenses are not included in the financial model of the program.

Other expenses are as follows:

Research, professional development and program development seed support	\$ 10,000	\$ 10,300	\$ 10,609	\$ 10,927
Benefits	\$ 29,663	\$ 30,503	\$ 31,342	\$ 32,193
RCM overhead	—	—	—	—
Total other expenses	\$ 39,663	\$ 40,803	\$ 41,951	\$ 43,120

The level of precision for the calculations—i.e., to the nearest \$1 or to the nearest student in headcount—are artifacts of the spreadsheet methods used and should not be considered indicative of the accuracy of the forecasts. In general, enrollment projects are not better than +/- 10 percent, and income and expenses are more typically accurate to the nearest \$1000, or +/- five percent.

APPENDICES

Appendix Description

- A Letter to the Association of Technology, Management and Applied Engineering
- B Organizational structure of the College of Applied Engineering, Sustainability and Technology
- C Curriculum vitae for Darwin Boyd, program lead administrator
- D Articulation Agreements
- E Construction Management courses syllabi
- F Semester-by-semester sequencing (“roadmap”) for the program
- G Faculty handbook for the College of Applied Engineering, Sustainability and Technology
- H Curricula vitae for the faculty in the program

Kent State University is committed to continual support of the delivery of the Construction Management undergraduate degree program. If Kent State decides in the future to close the program, the university will provide the necessary resources and means for matriculated students in the program to complete their degree.

Kent State University verifies that the information in the application is truthful and accurate.

Respectfully,

Todd A. Diacon, PhD
Provost and Senior Vice President for Academic Affairs
Kent State University

PROPOSED Kent State University Catalog 2013 - 2014

Construction Management - B.S.

COLLEGE: College of Applied Engineering, Sustainability and Technology
119 Van Deusen Hall
E-mail: cotinfo@kent.edu
Tel: 330-672-2892
Fax: 330-672-2894
Web: www.kent.edu/caest

DESCRIPTION: The Bachelor of Science degree in Construction Management is a professional-service approach that applies effective management techniques and oversight to the building of construction projects. The major includes learning construction of a project from inception to completion, including emphasis on construction materials and methods to enable graduates to estimate costs, schedule work, oversee construction work site activities and manage projects. The presence of major construction companies and large architect/engineering firms in the region provides ample co-operative opportunities. The migration to green technology emphasis and increasingly sophisticated construction projects require stronger project management emphasis, making this program viable well into the future.

CAREER OPPORTUNITIES: Employment of construction managers is projected to increase by 17 percent between 2010 and 2020, about as fast as the average for all occupations. National employment in 2010 was approximately 523,000, with nearly 86,600 new jobs expected to be created over between 2010 and 2020. Approximately two-thirds are self-employed, many as owners of general or specialty trade construction firms. Most salaried construction managers were employed in the construction industry—11 percent by specialty trade contractor businesses (for example, plumbing, heating, air-conditioning, and electrical contractors), nine percent in nonresidential building construction, five percent in building equipment construction, five percent in residential building construction and four percent in heavy and civil engineering construction. Others were employed by architectural, engineering, and related services firms. (Source: Bureau of Labor Statistics.)

ADMISSION REQUIREMENTS: **General Admission for Freshman Students:** Students most likely to be admitted and succeed at the Kent Campus are those who have graduated with at least 16 units of the recommended college preparatory curriculum in high school, who have achieved a cumulative high school grade point average of 2.5 or higher (on a 4.0 scale), and whose composite ACT score is 21 or better (980 combined critical reading and math SAT score). For more information on admissions, visit the [Admissions website for new freshmen](#).

General Admission for Transfer Students: Generally, a transfer applicant who has taken 12 or more semester hours with a college cumulative GPA of at least 2.0 on a 4.0 scale may be admitted. An applicant who has taken fewer than 12 semester hours will be evaluated on both collegiate and high school records. For more information on admissions, visit the [Admissions website for transfer students](#).

GRADUATION REQUIREMENTS: Minimum 2.000 GPA overall, 2.250 GPA in major, 121 total credit hours and 39 upper-division hours required for graduation.

STUDY ABROAD/AWAY OPPORTUNITIES: There are many study abroad/away opportunities, for more information contact the [Office of Global Education](#).

PROGRAM FEE: None

STUDENT ORGANIZATIONS: Construction Management Student Organization

ADVANCED DEGREE PROGRAMS: [Technology \(M.T.E.C.\)](#), [Business Administration \(M.B.A.\)](#)

PROPOSED Kent State University Catalog 2013 - 2014

Construction Management - B.S. Program Requirements

Type Legend: DD Diversity—Domestic; DG Diversity—Global; ELR Experiential Learning; KAD Kent Core Additional; KBS Kent Core Basic Sciences; KCM Kent Core Composition; KFA Kent Core Fine Arts; KHU Kent Core Humanities; KMC Kent Core Mathematics and Critical Reasoning; KSS Kent Core Social Sciences; WIC Writing Intensive

I. DESTINATION KENT STATE: FIRST YEAR EXPERIENCE (1 credit)				
	US	10097	Destination Kent State: First Year Experience	1
II. MAJOR PROGRAM REQUIREMENTS (52 credits) <i>Courses count in major GPA</i>				
	CMGT	10001	Introduction to Construction Management (NEW)	3
	CMGT	11004	Construction Safety (formerly TECH 31044 Construction Occupational Safety and Health)	3
	CMGT	11071	Construction Materials and Methods I (NEW)	3
	CMGT	21071	Construction Materials and Methods II (formerly TECH 21071 Construction Materials, Methods and Technology)	3
	CMGT	22200	Construction Document Reading (formerly TECH 22200)	3
	CMGT	31023	Construction Surveying (formerly TECH 31023)	3
	CMGT	31033	Mechanical Systems (formerly TECH 31033)	3
	CMGT	31040	Electrical Systems for Construction Managers (NEW)	3
	CMGT	41040	Construction Estimating I (formerly TECH 41040)	3
	CMGT	41041	Construction Estimating II (formerly TECH 41041)	3
	CMGT	42105	Construction Contracts and Law (formerly TECH 42105 Construction Contracts)	3
	CMGT	42107	Construction Scheduling (formerly TECH 42017)	3
	CMGT	42110	Construction Management Capstone (NEW)	3
	TECH	13580	Engineering Graphics I	3
	TECH	21021	Survey of Electricity and Electronics	4
WIC ELR	TECH	33092	Cooperative Education—Professional Development * (formerly TECH 33056; increased credits by 1)	3
	TECH	33111	Strength of Materials	3
III. ADDITIONAL PROGRAM REQUIREMENTS (68 credits)				
	ACCT	23020	Introduction to Financial Accounting	3
	ENG	20002	Introduction to Technical Writing	3
KMC	MATH	11010	Algebra for Calculus	3
KAD	MATH	11022	Trigonometry	3
KSS	ECON	22060	Principles of Microeconomics	3
KAD	ECON	22061	Principles of Macroeconomics	3
	MIS	24053	Introduction to Computer Applications	3
	MIS	24163	Principles of Management	3
	MKTG	25010	Principles of Marketing	3
KBS	PHY	13001	General College Physics I	4
KBS	PHY	13021	General College Physics Laboratory I	1
	Kent Core Composition			6-8
	Kent Core Humanities and Fine Arts (minimum one course from each)			9
	Kent Core Social Sciences (cannot be an ECON course)			3
	Kent Core Basic Sciences (total hours in this category must be 8 for this major)			3
	General Elective (upper-division) <i>Number of credits required depends on meeting minimum 121 credit hours and 39 upper-division hours. Recommended FIN 36053 Business Finance to complete the Business minor**. Also recommended is COMM 15000 Introduction to Human Communication.</i>			15
MINIMUM TOTAL				121

* A minimum C grade must be earned to fulfill the writing-intensive requirement.

** Students planning to declare the Business minor should review its admission and graduation criteria in the University Catalog.



This roadmap is a recommended semester-by-semester plan of study for this major. However, courses and milestones designated as critical (in boldface and shaded areas) must be completed in the semester listed to ensure a timely graduation.

Course Subject and Title	Credit Hours	Upper Div.	Min. Grade	Major GPA	Important Notes
Semester One: [16 Credit Hours]					
TECH 13580 Engineering Graphics I	3			■	
US 10097 Destination Kent State: First Year Experience	1				Not required for transfer students with 25 credits
Kent Core Requirement	3				See Kent Core Summary on page 2
Kent Core Requirement	3				See Kent Core Summary on page 2
Kent Core Requirement	3				See Kent Core Summary on page 2
Semester Two: [15 Credit Hours]					
CMGT 11044 Construction Safety	3			■	
MATH 11010 Algebra for Calculus	3				Enrollment based on placement; fulfills Kent Core Mathematics and Critical Reasoning
Kent Core Requirement	3				See Kent Core Summary on page 2
Semester Three: [14 Credit Hours]					
CMGT 31033 Mechanical Systems	3	■		■	
ENG 20002 Introduction to Technical Writing	3				
PHY 13001 General College Physics I	4				
PHY 13021 General College Physics Laboratory I	1				
Kent Core Requirement	3				
Semester Four: [15 Credit Hours]					
CMGT 21071 Construction Materials and Methods II	3			■	
ECON 22060 Principles of Microeconomics	3				Fulfills Kent Core Social Sciences
Kent Core Requirement	3				
Kent Core Requirement	3				See Kent Core Summary on page 2
Semester Five: [16 Credit Hours]					
ACCT 23020 Introduction to Financial Accounting	3				
CMGT 31023 Construction Surveying	3	■		■	
TECH 21021 Survey of Electricity and Electronics	4			■	
TECH 33111 Strength of Materials	3	■		■	
General Elective (upper division)	3	■			Should fulfill diversity requirement if not satisfied earlier
Semester Six: [15 Credit Hours]					
CMGT 31040 Electrical Systems for Construction Managers	3	■		■	
MIS 24163 Principles of Management	3				
MKTG 25010 Principles of Marketing	3				
General Elective (lower or upper division)	6				COMM 15000 Introduction to Human Communication is recommended
Semester Seven: [15 Credit Hours]					
CMGT 42107 Construction Scheduling	3	■		■	
ECON 22061 Principles of Macroeconomics	3				Fulfills Kent Core Additional
MIS 24053 Introduction to Computer Applications	3				
TECH 33092 Cooperative Education—Professional Development	3	■	C	■	Fulfills writing intensive course and experiential learning requirements



Critical requirements are boldface in shaded areas

Course Subject and Title	Credit Hours	Upper Div.	Min. Grade	Major GPA	Important Notes
Semester Eight: [15 Credit Hours]					
CMGT 41041 Construction Estimating II	3	■		■	
CMGT 42105 Construction Contracts and Law	3	■		■	
CMGT 42110 Construction Management Capstone	3	■		■	
General Elective (upper division)	6	■			FIN 36053 Business Finance is recommended for those who want to declare the Business minor (see note below); also recommended is COMM 15000 Introduction to Human Communication number of credits required depends on meeting minimum 121 hours and 39 upper-division hours

Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours	Minimum Kent Core Hours	Global / Domestic Diversity Course	Writing-Intensive	Experiential Learning	Minimum Major GPA	Minimum Overall GPA
121	39	36	Kent Core or General Electives	TECH 33092	TECH 33092	2.250	2.000

Kent Core Summary

Kent Core Categories	Important Notes	Remaining Credit Hours
Composition (6-8 credit hours) <i>ENG 11002, 11011, 21011; HONR 10197, 10297</i>	Enrollment based on placement test	6-8
Mathematics and Critical Reasoning (3-5 credit hours)	Fulfilled in this major with MATH 11010	0
Humanities and Fine Arts (9 credit hours) <i>Minimum one course from humanities in Arts and Sciences and minimum one course from fine arts</i>	May fulfill domestic and/or global diversity requirement	9
Social Sciences (6 credit hours) <i>Must be selected from two curricular areas</i>	3 credits fulfilled in this major with ECON 22060	3
Basic Sciences (6-7 credit hours) <i>Must include one laboratory</i>	5 credits fulfilled in this major with PHY 13001 and 13021; minimum 8 credit hours in this category required for this major	3
Additional (6 credit hours) <i>Must be selected from two Kent Core categories</i>	Fulfilled in this major with ECON 22061 and MATH 11022	0

Note: Students planning to declare the Business minor should review its admission and graduation criteria in the *University Catalog*.

Kent Core

Students must complete a minimum 36 credit hours of the Kent Core. Certain courses required in programs and in student's major field may also fulfill the Kent Core. Honors equivalents shall satisfy the Kent Core. None of the courses on the Kent Core list may be taken with a pass/fail grade. Visit www.kent.edu/catalog/kent-core for course list.

Diversity Course Requirement

Students must complete a two-course diversity requirement, consisting of one with a domestic (U.S.) focus and one with a global focus. One course must come from the Kent Core. The second course may be taken as a second Kent Core, within a major or minor, or as a general elective; or, with dean's approval, by completing one semester of study in another country. Visit www.kent.edu/catalog/diversity for course list.

Writing-Intensive Course Requirement

Students must complete a one-course writing-intensive requirement in their major and earn minimum C (2.000) grade. Visit www.kent.edu/catalog/wic for course list.

Experiential Learning Requirement (ELR)

To provide students with direct engagement in learning experiences that promote academic relevance, meaning, and an understanding of real-world issues, students must complete this requirement at Kent State, either as a for-credit course or as a non-credit, non-course experience approved by the appropriate faculty member. Visit www.kent.edu/catalog/elr for course list.

Upper-Division Requirement

Students must complete a minimum 39 upper-division (numbered 30000 to 49999) credit hours of coursework. Programs in the College of Arts and Sciences require a minimum of 42 hours of upper-division coursework.



Name: Lisa N Delaney
Organization: Provost's Office

Submission Date: 9/11/2012



Course Catalog Update

<< Go back to Course Catalog Update form

Print

Basic Course Data		
Change type: Establish		
Faculty member submitting this proposal: Joe Karpinski		
Requested Effective Term: 201380		
Campus: Kent		
College: AT-College of Applied Engineering, Sustainability and Technology		
Department: AEST-Applied Engineering, Sustainability and Technology		
Course Subject: CMGT-Construction Management		
Course Number: 10001		
Course Title: Introduction to Construction Management		
Title Abbreviation: Intro to Construction Mgmt		
Slash Course and Cross-list Information:		
Credit Hours		
Minimum Credit/Maximum Credit: 3 to 3		
Contact Hours: Lecture - Minimum Hours/Maximum Hours: 3 to 3		
Contact Hours: Lab - Minimum Hours/Maximum Hours:		
Contact Hours: Other - Minimum Hours/Maximum Hours:		
Attributes		
Is this course part of the LER, WIC or Diversity requirements: No		
If yes, course attributes: 1. 2. 3.		
Can this course be repeated for credit: No Repeat	Course Limit:	OR Maximum Hours:
Course Level: Undergraduate	Grade Rule: B-Standard letter	
Rationale for an IP grade request for this course (if applicable):		
Schedule Type(s): 1. LEC-Lecture 2. 3.		
Credit by Exam: N-Credit by exam-not approved		
Prerequisites & Descriptions		
Current Prerequisite/Corequisite/Catalog Description:		
Catalog Description (edited): Serves to introduce the basic terms, concepts, procedures and current trends in the construction Industry.		
Prerequisites (edited): None		
Corequisites (edited): None		
Registration is by special approval only: No		
Content Information		
Content Outline:		
Content Hours per Course Topic	Topic Description	
3	Introduction to Construction Industry	
3	Construction Projects	
3	Project Participants	
3	Sequence of Construction Projects	
3	Teambuilding	
3	Project Delivery Methods	
3	Communication	
3	Construction Specifications	
6	Estimating Fundamentals	
6	Project Planning and Scheduling	

3	Safety
3	Leadership
3	Construction Ethics
Display/Hide Delimited Course Outline	
Total Contact Hours: 45	
Textbook(s) used in this course: Introduction to Construction Management, Custom Edition Author: Daphne Koch ISBN-13: 978-1-256-36690-4 Pearson Learning Solutions Copyright 2011 (This is a compilation of various management books)	
Writing Expectations: The students will be expected to provide short paragraph answers, create power point presentations, written proposals and estimates, and term paper.	
Instructor(s) expected to teach: Approved Construction Management faculty	
Instructor(s) contributing to content: George Bigham and Joe Karpinski	
Proposal Summary	
Explain the purpose for this proposal:	
Beginning Fall 2013 the Construction Management concentration under the BS in Technology will be changed to a major and become a BS in Construction Management. Along with this move to a major the Construction Management curriculum is being upgraded to be on track for American Council of Construction Education accreditation. This new course is a requirement for the curriculum to become accredited by ACCE.	
Explain how this proposal affects program requirements and students in your unit:	
This course will be a requirement for students beginning with Catalog Year 2013-14 majoring in Construction Management.	
Explain how this proposal affects courses, program requirements and student in other units:	
This proposal will not affect students outside of Construction Management. Only students entering in Catalog year 2013-14 and beyond will be affected by this proposal.	
Explain how this proposal affects enrollment and staffing:	
No effect on enrollment or staffing.	
Units consulted (other departments, programs or campuses affected by the proposal):	
None. There is no effect on other departments, programs, or campuses.	
Curriculum Services Information:	
Approved by EPC:	Curriculum Bulletin:
Cross-list Banner Code:	OBR Course Level: 3
OBR Program Code: 94	OBR Subsidy Code: 09
CIP Code: 460000	Term Start:
	Term End:

Comments (500 Character Maximum):

NOTE: Please do not use the following restricted characters: (~ * / \ --)

Comments:

Date	User	Comment
8/27/2012	Joseph Karpinski	
8/27/2012	Roberto M Uribe-Rendon	Joe, the title of this course is Introduction to Construction Project Management, however in the requirement sheet and in the OBR proposal it is listed as Introduction to Construction Management. Which title is correct then? Please update accordingly and submit again

History:

Date	User	Status
8/27/2012	Isaac R Nettey	Approved
8/27/2012	Roberto M Uribe-Rendon	Approved
8/27/2012	Joseph Karpinski	Submitted
8/27/2012	Roberto M Uribe-Rendon	Returned For Edit
8/16/2012	Joseph Karpinski	Submitted
8/15/2012	Roberto M Uribe-Rendon	Returned For Edit
7/11/2012	Joseph Karpinski	Submitted
5/3/2012	Roberto M Uribe-Rendon	Returned For Edit
4/26/2012	Joseph Karpinski	Submitted



Name: Lisa N Delaney
Organization: Provost's Office

Submission Date: 9/11/2012



Course Catalog Update

<< Go back to Course Catalog Update form

Print

Basic Course Data		
Change type: Establish		
Faculty member submitting this proposal: Joe Karpinski		
Requested Effective Term: 201380		
Campus: Kent		
College: AT-College of Applied Engineering, Sustainability and Technology		
Department: AEST-Applied Engineering, Sustainability and Technology		
Course Subject: CMGT-Construction Management		
Course Number: 11071		
Course Title: Construction Materials and Methods I		
Title Abbreviation: Construction Materials I		
Slash Course and Cross-list Information:		
Credit Hours		
Minimum Credit/Maximum Credit: 3 to 3		
Contact Hours: Lecture - Minimum Hours/Maximum Hours: 3 to 3		
Contact Hours: Lab - Minimum Hours/Maximum Hours:		
Contact Hours: Other - Minimum Hours/Maximum Hours:		
Attributes		
Is this course part of the LER, WIC or Diversity requirements: No		
If yes, course attributes: 1. 2. 3.		
Can this course be repeated for credit: No Repeat	Course Limit:	OR Maximum Hours:
Course Level: Undergraduate	Grade Rule: B-Standard letter	
Rationale for an IP grade request for this course (If applicable):		
Schedule Type(s): 1. LEC-Lecture 2. 3.		
Credit by Exam: N-Credit by exam-not approved		
Prerequisites & Descriptions		
Current Prerequisite/Corequisite/Catalog Description:		
Catalog Description (edited): An introduction to principles of building construction including preparation for the structures and environmental control sequences. Includes a more detailed and systematic look at wood light frame construction.		
Prerequisites (edited): NONE		
Corequisites (edited):		
Registration is by special approval only: No		
Content Information		
Content Outline:		
Content Hours per Course Topic	Topic Description	
3	Building delivery system	
3	Governmental constraints on construction; Loads on buildings	
3	Load resistance - structural properties of materials	
3	Thermal properties of materials; Air leakage and water vapor control	
3	Fire-related properties; Acoustical properties of materials	

3	Principles of joints and sealants; principles of sustainable construction
3	Soils - foundation and basement construction
6	Materials for wood construction
6	Materials for light frame construction
3	Structural insulated panel system
3	Stairs
3	Steel and structural steel construction
3	Light-gauge steel construction
Display/Hide Delimited Course Outline	
Total Contact Hours: 45	
Textbook(s) used in this course: Building Construction Principles, Materials, and Systems 2009 Update Madan Mehta, Walter Scarborough, Diane Armpriest ISBN: 0-13-506476-7 Pearson Prentice Hall Copyright August 2010	
Writing Expectations: Short answer question, technical report and or presentation	
Instructor(s) expected to teach: Joe Karpinski and/or approved CAEST faculty	
Instructor(s) contributing to content: Joe Karpinski and George Bigham	
Proposal Summary	
Explain the purpose for this proposal:	
Beginning Fall 2013 the Construction Management concentration under the BS in Technology will be changed to a major and become a BS in Construction Management. Along with this move to a major the Construction Management curriculum is being upgraded to be on track for American Council of Construction Education accreditation. This new course is a requirement for the curriculum to become accredited by ACCE.	
Explain how this proposal affects program requirements and students in your unit:	
This course will be a requirement for students beginning with Catalog Year 2013-14 majoring in Construction Management.	
Explain how this proposal affects courses, program requirements and student in other units:	
This proposal will not affect students outside of Construction Management. Only students entering in Catalog year 2013-14 and beyond will be affected by this proposal.	
Explain how this proposal affects enrollment and staffing:	
No effect on enrollment or staffing.	
Units consulted (other departments, programs or campuses affected by the proposal):	
None. There is no effect on other departments, programs, or campuses.	
Curriculum Services Information:	
Approved by EPC:	Curriculum Bulletin:
Cross-list Banner Code:	OBR Course Level: 3
OBR Program Code: 94	OBR Subsidy Code: 09
CIP Code: 46000	Term Start:
	Term End:

Comments (500 Character Maximum):

NOTE: Please do not use the following restricted characters: (~ * / \ --)

Comments:

Date	User	Comment
8/16/2012	Joseph Karpinski	No comments available.

History:

Date	User	Status
8/31/2012	Shin-Min Song	Approved
8/23/2012	Roberto M Uribe-Rendon	Approved
8/16/2012	Joseph Karpinski	Submitted



Name: Lisa N Delaney
 Organization: Provost's Office

Submission Date: 9/11/2012



Course Catalog Update

<< Go back to Course Catalog Update form

Print

Basic Course Data		
Change type: Establish		
Faculty member submitting this proposal: Joe Karpinski		
Requested Effective Term: 201380		
Campus: Kent		
College: AT-College of Applied Engineering, Sustainability and Technology		
Department: AEST-Applied Engineering, Sustainability and Technology		
Course Subject: CMGT-Construction Management		
Course Number: 31040		
Course Title: Electrical Systems for Construction Managers		
Title Abbreviation: Electrical Systems		
Slash Course and Cross-list Information:		
Credit Hours		
Minimum Credit/Maximum Credit: 3 to 3		
Contact Hours: Lecture - Minimum Hours/Maximum Hours: 3 to 3		
Contact Hours: Lab - Minimum Hours/Maximum Hours:		
Contact Hours: Other - Minimum Hours/Maximum Hours:		
Attributes		
Is this course part of the LER, WIC or Diversity requirements: No		
If yes, course attributes: 1. 2. 3.		
Can this course be repeated for credit: No Repeat	Course Limit:	OR Maximum Hours:
Course Level: Undergraduate	Grade Rule: B-Standard letter	
Rationale for an IP grade request for this course (if applicable):		
Schedule Type(s): 1. LEC-Lecture 2. 3.		
Credit by Exam: N-Credit by exam-not approved		
Prerequisites & Descriptions		
Current Prerequisite/Corequisite/Catalog Description:		
Catalog Description (edited): An overview of electrical systems in commercial and residential buildings.		
Prerequisites (edited): TECH 21021 Survey of Electricity and Electronics		
Corequisites (edited): None		
Registration is by special approval only: No		
Content Information		
Content Outline:		
Content Hours per Course Topic	Topic Description	
3	Electrical Principles, Tools, and Safety	
3	OSHA, NFPA 70E and Personal Protective Equipment	
3	Electrical Plans and Connections; Residential Electrical Estimation and Construction	
3	Switches and Receptacles; Nonmetallic-Sheathed Cable, Metallic-Sheathed Cable, & Conduit	
3	Service Entrances	
3	Transformers	
6	Commercial Circuits	

6	Commercial Electrical Estimation and Construction
3	Solar, Wind, and Renewable Energies
3	Lighting Equipment and Systems
3	Noise and vibrations in electrical systems
6	Communications, Life Safety, and Security Systems

Display/Hide Delimited Course Outline

Total Contact Hours: 45

Textbook(s) used in this course: Mechanical & Electrical Systems in Buildings, 4E, Richard R. Janis & William K.Y. Tao, ISBN-10: 0135130131 Publisher: Prentice Hall Copyright: 2009 Mechanical and Electrical Systems for Construction Managers ISBN: 978-0-8269-9357-1 2007

Writing Expectations: Short answer test questions, technical reports

Instructor(s) expected to teach: Approved Construction Management faculty

Instructor(s) contributing to content: Joe Karpinski, George Bigham, John Kellamis

Proposal Summary

Explain the purpose for this proposal:

Beginning Fall 2013 the Construction Management concentration under the BS in Technology will be changed to a major and become a BS in Construction Management. Along with this move to a major the Construction Management curriculum is being upgraded to be on track for American Council of Construction Education accreditation. This new course is a requirement for the curriculum to become accredited by ACCE.

Explain how this proposal affects program requirements and students in your unit:

This course will be a requirement for students beginning with Catalog Year 2013-14 majoring in Construction Management.

Explain how this proposal affects courses, program requirements and student in other units:

This proposal will not affect students outside of Construction Management. Only students entering in Catalog year 2013-14 and beyond will be affected by this proposal.

Explain how this proposal affects enrollment and staffing:

An additional adjunct faculty will be required to teach this course. Enrollment in this course will be equivalent to all other upper division Construction Management courses.

Units consulted (other departments, programs or campuses affected by the proposal):

None. There is no effect on other departments, programs, or campuses.

Curriculum Services Information:

Approved by EPC:	Curriculum Bulletin:
Cross-list Banner Code:	OBR Course Level: 3
OBR Program Code: 94	OBR Subsidy Code: 09
CIP Code: 46000	Term Start:
	Term End:

Comments (500 Character Maximum):

NOTE: Please do not use the following restricted characters: (~ * / \ --)

Comments:

Date	User	Comment
8/24/2012	Joseph Karpinski	

8/23/2012	Roberto M Uribe-Rendon	Joe: Please add authors for the textbook listed.
8/16/2012	Joseph Karpinski	
7/23/2012	Joseph Karpinski	
4/29/2012	Roberto M Uribe-Rendon	From the discussion in the AST meeting it gave me the impression that TECH 21021 should be a prerequisite for this course. Please update accordingly or comment why this should not be

History:

Date	User	Status
8/27/2012	Isaac R Nettey	Approved
8/27/2012	Roberto M Uribe-Rendon	Approved
8/24/2012	Joseph Karpinski	Submitted
8/23/2012	Roberto M Uribe-Rendon	Returned For Edit
8/16/2012	Joseph Karpinski	Submitted
8/15/2012	Roberto M Uribe-Rendon	Returned For Edit
7/23/2012	Joseph Karpinski	Submitted
4/29/2012	Roberto M Uribe-Rendon	Returned For Edit
4/26/2012	Joseph Karpinski	Submitted



Name: Lisa N Delaney
Organization: Provost's Office

Submission Date: 9/11/2012



Course Catalog Update

<< Go back to Course Catalog Update form

Print

Basic Course Data		
Change type: Establish		
Faculty member submitting this proposal: George F. Bigham		
Requested Effective Term: 201380		
Campus: Kent		
College: AT-College of Applied Engineering, Sustainability and Technology		
Department: TECH-Technology		
Course Subject: CMGT-Construction Management		
Course Number: 42110		
Course Title: Construction Management Capstone		
Title Abbreviation: Construction Capstone		
Slash Course and Cross-list Information:		
Credit Hours		
Minimum Credit/Maximum Credit: 3 to 3		
Contact Hours: Lecture - Minimum Hours/Maximum Hours: 3 to 3		
Contact Hours: Lab - Minimum Hours/Maximum Hours:		
Contact Hours: Other - Minimum Hours/Maximum Hours:		
Attributes		
Is this course part of the LER, WIC or Diversity requirements: No		
If yes, course attributes: 1. 2. 3.		
Can this course be repeated for credit: No Repeat	Course Limit:	OR Maximum Hours:
Course Level: Undergraduate	Grade Rule: B-Standard letter	
Rationale for an IP grade request for this course (if applicable):		
Schedule Type(s): 1. LEC-Lecture 2. 3.		
Credit by Exam: N-Credit by exam-not approved		
Prerequisites & Descriptions		
Current Prerequisite/Corequisite/Catalog Description:		
Catalog Description (edited): The application of all previous construction management courses and experiences to ensure all major learning objectives have been obtained and that these learning objectives can be applied to performance similar to industry practices.		
Prerequisites (edited): Senior standing		
Corequisites (edited):		
Registration is by special approval only: No		
Content Information		
Content Outline:		
Content Hours per Course Topic	Topic Description	
3	Introduction	
3	Marketing	
6	Estimating	
3	Owner Contract	
6	Buyout of Subcontracts and Purchase Orders	
6	Construction Schedule	
3	Construction Safety	
6	Job Site Project Management	
9	Construction Ethics and Scenarios	

Display/Hide Delimited Course Outline	
Total Contact Hours: 45	
Textbook(s) used in this course: Construction Operations Manual of Policies & Procedures, latest edition, Andrew M. Civitello, Jr., McGraw-Hill	
Writing Expectations: Effective written communication expected on all areas of course content.	
Instructor(s) expected to teach: George F. Bigham	
Instructor(s) contributing to content: Joe Karpinski, George F. Bigham	
Proposal Summary	
Explain the purpose for this proposal:	
To add a final capstone course to the construction management major. Beginning Fall 2013 the Construction Management concentration under the BS in Technology will be changed to a major and become a BS in Construction Management. Along with this move to a major, the Construction Management curriculum is being upgraded to be on track for American Council of Construction Education accreditation. This new course is a requirement for the curriculum to become accredited by ACCE.	
Explain how this proposal affects program requirements and students in your unit:	
Will better equip them with the experiences necessary and expected to be successful construction managers in the industry. This course will be a requirement for students beginning with catalog Year 2013-2014 majoring in Construction Management.	
Explain how this proposal affects courses, program requirements and student in other units:	
Will not affect students outside of the Construction Management Major.	
Explain how this proposal affects enrollment and staffing:	
No effect on enrollment or staffing.	
Units consulted (other departments, programs or campuses affected by the proposal):	
None	
Curriculum Services Information:	
Approved by EPC:	Curriculum Bulletin:
Cross-list Banner Code:	OBR Course Level: 3
OBR Program Code: 94	OBR Subsidy Code: 09
CIP Code: 460000	Term Start:
	Term End:

Comments (500 Character Maximum):

NOTE: Please do not use the following restricted characters: (~ * / \ --)

Comments:

Date	User	Comment
8/17/2012	George F Bigham	No comments available.

History:

Date	User	Status
8/27/2012	Isaac R Nettey	Approved
8/23/2012	Roberto M Uribe-Rendon	Approved
8/17/2012	George F Bigham	Submitted
5/3/2012	Roberto M Uribe-Rendon	Returned For Edit
4/26/2012	George F Bigham	Submitted

Report of the Faculty Senate Commission Established to Evaluate Current Methods of Assessing Teaching Quality at Kent State University – 1.9

Comparative data currently referred to on the current SSI as the "norming group" should be expanded for courses taught at regional campuses based on more varied criteria. Currently, the entire regional campus is the only norming group used. These should be augmented to include additional data for similar courses taught on the Kent campus and by the corresponding department on the Kent campus (i.e., upper division psychology courses taught at the Kent campus would be an additional optional "norming group" for one taught on a regional campus). Current data do show that disciplines have significantly different average course/instructor scores with humanities & foreign languages > social sciences > "hard sciences." Criteria for inclusion should be discussed with regional campus and departmental representatives.



Faculty Senate Executive Committee Minutes of the Meeting

August 27, 2012

Present: Paul Farrell (Chair), Don White (Vice Chair), Vanessa Earp (Secretary), David Dees (Appointed), Lee Fox-Cardamone (Appointed), Tess Kail (Office Secretary)

Not Present: George Garrison (At-Large)

Guests: President Lester A. Lefton; Todd Diacon, Provost and Senior Vice President for Academic Affairs; Greg Jarvie, Vice President for Enrollment Management and Student Affairs

1. Call to Order

Chair Farrell called the meeting to order at 3:30 p.m. in the Urban Conference Room.

2. Approval of Minutes

A motion (Dees/White) to approve the minutes of the August 22, 2012 Executive Committee with corrections was approved.

A motion (Dees/White) to approve the minutes of the July 16, 2012 Faculty Senate Meeting with corrections was approved.

3. Committee Nominations

The executive committee discussed which committees needed representation from Faculty Senate and how those elections would be held at the September 10th Faculty Senate Meeting.

4. Finalize Agenda for September Faculty Senate Meeting

The agenda for the September 10, 2012 Faculty Senate Meeting was confirmed.

5. University Policy Regarding Administration of Student Conduct

Greg Jarvie reported on the changes to the University Policy Regarding Administration of Student Conduct. Many of the changes were to clean up terminology and were not substantive. There was some concern over the removal of L1.d, however Greg explained that the chair of the hearing panel will be a person from the Student Conduct office and will be a non-voting member of the panel. He would like the item to be brought up at the September 10th Faculty Senate Meeting.

6. Provost Diacon

- a. Provost Diacon discussed meeting with Chair Farrell about faculty to serve on the steering committee for the Academic Affairs Strategic Plan. The Provost would like the committee to complete their work by the end of the 2012-2013 academic year. He asked that Faculty Senate send him the names of both TT and NTT faculty who are interested in serving.
- b. Provost Diacon provided an update the executive committee on the status of the 3 dean searches.
 - He has requested that CAO submit names of faculty members to serve on the Arts and Sciences Dean search. He would like the committee to start working this fall and have on-campus interviews in the spring.
 - The committee for the College of Business Dean has started and interviews are expected to be concluded by the end of semester.
 - The search for the Honors College Dean is on hold.
- c. The Provost addressed the upcoming construction on campus. He provided the executive committee an update on the progress. He asked that Faculty Senate encourage faculty to attend the campus wide program being held on Aug. 29 that will provide detailed information about the plans going forward and how this will impact and improve the university and downtown.

7. Faculty Senate Fall Retreat

The executive committee discussed the details of the upcoming Faculty Senate Fall Retreat scheduled for September 21.

8. Committee Appointments

The executive resumed discussion of committees needing faculty nominees.

9. Adjournment

Chair Farrell adjourned the meeting at 5:25 p.m.

Respectfully submitted by Vanessa J. Earp,
Secretary of Faculty Senate

Next Meetings: Faculty Senate Meeting
Monday, September 10, 2012
3:20 pm, Governance Chambers

Executive Committee Meeting
Wednesday, September 19, 2012
3:30 pm, Faculty Senate Office