

General Education Review Committee Agenda

1:00-1:30

February 24, 2012

ADM 204

I. Call to Order

Roll

() Vacant	UAB/COH	Social Sciences
() Utpal Dutta	UAB/SOE	
() Kevin Keating	UAB/Library	
() Kathryn Hollis-Buchanan	UAB	
() Vacant	UAB	
() Suzanne Forster	CAS	Humanities
() Len Smiley	CAS	Quantitative Skills
() Marcia Stratton	CAS	Oral Communication
() Walter Olivares	CAS	Fine Arts
() Robert Capuozzo	COE	
() Sandra Pence	CTC/COH/Chair	
() Kyle Hampton	CBPP	Social Sciences
() Deborah Fox	Mat-Su	Written Communication
() Hilary Davies	UAB	Ex officio/UAB Chair
() Bart Quimby	UAB	Ex officio/OAA
() Vacant	Student	

II. Approval of Agenda (pg. 1)

III. Approval of Summary (pg. 2)

IV. Report from Interim Vice Provost for Curriculum and Assessment Bart Quimby

V. Chair's Report – Sandra Pence

VI. Course Action Requests

Chg CE A438 Design of Civil Engr Systems (4 cr)(4+0)(pg. 3-5)

VII. Old Business

VIII. New Business

A. GER Purge List (pg. 6)

IX. Informational Items and Adjournment

General Education Review Committee Summary

12:30-1:30

February 17, 2012

ADM 204

I. Call to Order

Roll

() Vacant	UAB/COH	Social Sciences
(x) Utpal Dutta	UAB/SOE	
(e) Kevin Keating	UAB/Library	
(x) Kathryn Hollis-Buchanan	UAB	
() Vacant	UAB	
(x) Suzanne Forster	CAS	Humanities
(x) Len Smiley	CAS	Quantitative Skills
(x) Marcia Stratton	CAS	Oral Communication
(x) Walter Olivares	CAS	Fine Arts
(x) Robert Capuozzo	COE	
(x) Sandra Pence	CTC/COH/Chair	
(x) Kyle Hampton	CBPP	Social Sciences
(x) Deborah Fox	Mat-Su	Written Communication
(e) Hilary Davies	UAB	Ex officio/UAB Chair
(x) Bart Quimby	UAB	Ex officio/OAA
() Vacant	Student	

II. Approval of Agenda (pg. 1)

Motion to move BOR policies above the GER Equivalency Table.

Approved

III. Approval of Summary (pg. 2)

The committee began looking at BOR policies

Approved

IV. Report from Interim Vice Provost for Curriculum and Assessment Bart Quimby

Bart and Suzanne are attending the AAC&U conference in New Orleans

31,000 courses were transferred over three years – The most common course transferred is ENG 111 from Fairbanks

Courses did not always transfer as the same class for students

Regents continue to be concerned about the consistency of general education across the three MAUs

V. Chair's Report – Sandra Pence

VI. Course Action Requests

A. GER Equivalency Table (pg. 3)

COMM F330X should go under humanities and HUM F201 should be in fine arts

The Board wants definitive language to accompany the table in the catalog and to better identify lab courses

VII. Old Business

A. BOR Policies (pg. 4-10)

Motion to approve the recommended reexamining of 10.04.040 and 10.04.062

Approved

B. Develop recommendation for OAA regarding GER assessment process (pg. 11)

VIII. New Business

A. Review Faculty Senate Bylaws governing GERC

B. Future plans: Work on committee goals

a. GER classifications: review/revise objectives → new templates
(work with AA assessment coordinators for each classification)

IX. Informational Items and Adjournment



Course Action Request University of Alaska Anchorage Proposal to Initiate, Add, Change, or Delete a Course

1a. School or College EN SOENGR		1b. Division No Division Code		1c. Department Civil Engineering	
2. Course Prefix CE	3. Course Number A438	4. Previous Course Prefix & Number	5a. Credits/CEUs 4	5b. Contact Hours (Lecture + Lab) (3+0)	

6. Complete Course Title
Design of Civil Engineering Systems
 Design of Civil Eng. Sys.
 Abbreviated Title for Transcript (30 character)

7. Type of Course Academic Preparatory/Development Non-credit CEU Professional Development

8. Type of Action: <input type="checkbox"/> Add or <input checked="" type="checkbox"/> Change or <input type="checkbox"/> Delete If a change, mark appropriate boxes: <table style="width:100%; border:none;"> <tr> <td><input type="checkbox"/> Prefix</td> <td><input type="checkbox"/> Course Number</td> </tr> <tr> <td><input checked="" type="checkbox"/> Credits</td> <td><input checked="" type="checkbox"/> Contact Hours</td> </tr> <tr> <td><input type="checkbox"/> Title</td> <td><input type="checkbox"/> Repeat Status</td> </tr> <tr> <td><input type="checkbox"/> Grading Basis</td> <td><input type="checkbox"/> Cross-Listed/Stacked</td> </tr> <tr> <td><input checked="" type="checkbox"/> Course Description</td> <td><input checked="" type="checkbox"/> Course Prerequisites</td> </tr> <tr> <td><input type="checkbox"/> Test Score Prerequisites</td> <td><input type="checkbox"/> Co-requisites</td> </tr> <tr> <td><input type="checkbox"/> Other Restrictions</td> <td><input checked="" type="checkbox"/> Registration Restrictions</td> </tr> <tr> <td><input type="checkbox"/> Class <input checked="" type="checkbox"/> Level</td> <td></td> </tr> <tr> <td><input type="checkbox"/> College <input type="checkbox"/> Major</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other (please specify)</td> <td></td> </tr> </table>	<input type="checkbox"/> Prefix	<input type="checkbox"/> Course Number	<input checked="" type="checkbox"/> Credits	<input checked="" type="checkbox"/> Contact Hours	<input type="checkbox"/> Title	<input type="checkbox"/> Repeat Status	<input type="checkbox"/> Grading Basis	<input type="checkbox"/> Cross-Listed/Stacked	<input checked="" type="checkbox"/> Course Description	<input checked="" type="checkbox"/> Course Prerequisites	<input type="checkbox"/> Test Score Prerequisites	<input type="checkbox"/> Co-requisites	<input type="checkbox"/> Other Restrictions	<input checked="" type="checkbox"/> Registration Restrictions	<input type="checkbox"/> Class <input checked="" type="checkbox"/> Level		<input type="checkbox"/> College <input type="checkbox"/> Major		<input type="checkbox"/> Other (please specify)		9. Repeat Status No # of Repeats Max Credits <hr/> 10. Grading Basis <input checked="" type="checkbox"/> A-F <input type="checkbox"/> P/NP <input type="checkbox"/> NG <hr/> 11. Implementation Date <small>semester/year</small> From: Spring/2013 To: 99/9999 <hr/> 12. <input type="checkbox"/> Cross Listed with _____ <input type="checkbox"/> Stacked with _____ <div style="text-align: right; margin-top: 10px;">_____</div> <div style="text-align: right; margin-top: 5px;"><small>Cross-Listed Coordination Signature</small></div>
<input type="checkbox"/> Prefix	<input type="checkbox"/> Course Number																				
<input checked="" type="checkbox"/> Credits	<input checked="" type="checkbox"/> Contact Hours																				
<input type="checkbox"/> Title	<input type="checkbox"/> Repeat Status																				
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<input type="checkbox"/> Class <input checked="" type="checkbox"/> Level																					
<input type="checkbox"/> College <input type="checkbox"/> Major																					
<input type="checkbox"/> Other (please specify)																					

13a. Impacted Courses or Programs: List any programs or college requirements that require this course. Please type into fields provided in table. If more than three entries, submit a separate table. A template is available at www.uaa.alaska.edu/governance.

Impacted Program/Course	Catalog Page(s) Impacted	Date of Coordination	Chair/Coordinator Contacted
1. Civil Engineering, BS	235,352,355	9/30/11	Osama Abaza
2.			
3.			

Initiator Name (typed): Osama Abaza Initiator Signed Initials: _____ Date: _____

13b. Coordination Email Date: _____ submitted to Faculty Listserv: (uaa-faculty@lists.uaa.alaska.edu)	13c. Coordination with Library Liaison Date: _____
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14. General Education Requirement Oral Communication Written Communication Quantitative Skills Humanities
 Mark appropriate box: Fine Arts Social Sciences Natural Sciences Integrative Capstone

15. Course Description (suggested length 20 to 50 words)
 Capstone course for civil engineering students to collaborate in multidisciplinary teams to design a complex civil engineering system that meets client needs while protecting public health and safety. In a collective manner, students apply knowledge and skills learned in their undergraduate curriculum.

16a. Course Prerequisite(s) (list prefix and number) CE A344 or CE A405 or CE A422 or CE A432 or CE A433 or CE A442	16b. Test Score(s) N/A	16c. Co-requisite(s) (concurrent enrollment required) N/A
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16d. Other Restriction(s) <input type="checkbox"/> College <input type="checkbox"/> Major <input type="checkbox"/> Class <input checked="" type="checkbox"/> Level	16e. Registration Restriction(s) (non-codable) Senior Status
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17. Mark if course has fees 18. Mark if course is a selected topic course

19. Justification for Action
 The course requires design activities, the change is to give students experience in a prior design course

Initiator (faculty only) Date _____ <u>Osama Abaza</u> Initiator (TYPE NAME) <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved Department Chairperson Date _____ <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved Curriculum Committee Chairperson Date _____	<input type="checkbox"/> Approved <input type="checkbox"/> Disapproved Dean/Director of School/College Date _____ <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved Undergraduate/Graduate Academic Board Chairperson Date _____ <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved Provost or Designee Date _____
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COURSE CONTENT GUIDE
University of Alaska Anchorage
School of Engineering

Date: December 12, 2011
Course Title: Design of Civil Engineering Systems
Course Number: CE A438
Program: Civil Engineering
Credits: 4.0

I. Course Description:

Capstone course for civil engineering students to collaborate in multidisciplinary teams to design a complex civil engineering system that meets client needs while protecting public health and safety. In a collective manner, students apply knowledge and skills learned in their undergraduate curriculum.

II. Course Design:

- A. Course Intent:** Provide civil engineering undergraduate students with a capstone design experience and present information important to employment and success as a professional engineer in practice
- B. Course Credits:** Four (4.0)
- C. Total time of student involvement:**
 - 1. Lecture hours per week: 4
 - 2. Average laboratory hours per week: None
 - 3. Total time of work expected outside class: 5 to 8 hours per week.
- D. Degree Program Status:** Required for undergraduate civil engineering students
- E. Grading:** A-F.
- F. Fees:** None.
- G. Previous Course:** None
- H. Time Frame:** Standard semester
- I. Coordination with other schools or colleges:** SOE and list serve
- J. Prerequisites:** CE A344 or CE A405 or CE A422 or CE A432 or CE A433 or CE A442.
- K. Course Activities:** Students work together in teams to design a large scale civil engineering system to meet the needs of a client. Efforts are made to secure a client that is willing to provide the support of the design engineering organization that will eventually finalize the project. In addition to the project, weekly lectures cover general topics of concern to practicing engineers. Half of the lecture time is spent covering topics listed in the course outline. The remaining time is spent in a student staff meeting to discuss the project and its progress

III. Course Level Justification:

Students are required to apply knowledge from courses completed in the 3rd year of an ABET - accredited civil engineering Bachelor of Science degree program.

IV. Course Outline:

- A.** Introduction to the project
- B.** How to look for a job
- C.** Team concepts and team building
- D.** Construction drawings
- E.** Specification writing
- F.** Design codes, regulations, regulators
- G.** Project management
- H.** Safety considerations in civil design
- I.** Legal consideration in civil design
- J.** Professional registration and the business of civil engineering
- K.** Engineering ethics

L. Public and professional presentations

V. Instructional Goals, Student Learning Outcomes, and Assessment Methods

A. Instructional Goals:

The instructor will:

1. Guide to apply concepts, principles, and skills learned in the undergraduate civil engineering students curriculum, and
2. Introduce various aspects of professional practice to senior civil engineering students for professional practice.

B. Student Learning Outcomes and Assessment Methods:

	Outcomes: After successful completion of course students will be able to	Assessment Methods
1.	Identify problems and opportunities, develop related engineering design criteria, and formulate alternative solutions to meet client needs while protecting public health and safety.	Faculty and client evaluations, oral presentations, and final reports.
2.	Apply knowledge and skills learned in the civil engineering undergraduate curriculum.	Homework assignments, and final project.
3.	Function effectively on multi-disciplinary teams to collaborate on iterative design of a complex civil engineering system with conflicting technical, social, economic, and aesthetic objectives and final reports. Peer evaluations of team performance.	Faculty evaluation and final oral presentations.
4.	Demonstrate professional, legal, and responsibilities of practicing civil engineers.	Faculty and client evaluations, oral presentations, and final reports.
5.	Demonstrate ability to engage in life-long learning in the context of civil engineering professional practice.	Faculty evaluation of work products.
6.	Communicate effectively with engineering drawings and technical visualizations, construction specifications, written technical reports, and public oral presentations.	Faculty and client evaluations, oral presentations, and final reports.

VI. Suggested Texts:

Students will use a variety of reference materials, codes, and regulations that are applicable to the project of the year.

VII. References/Bibliography:

American Concrete Institute (2011). *Building Code Requirements for Structural Concrete (ACI 318-11)*, Farmington Hills, MI: ACI.

American Institute of Steel Construction (2011). *Steel Construction Manual* (14th ed.). Chicago: AISC.

American Society of Civil Engineers (2010). *ASCE 7 Minimum Design Loads for Buildings and Other Structures*. Reston, VA: ASCE.

American Society for Testing and Materials (2008). *ASTM Standards in Building Code*. West Conshohoken, PA: ASTM International

American Wood Council (2005). *National Design Specification of Wood Construction*. Leesburg, VA: AF&PA.

American Wood Council (2005). *Supplement to the NDS Specification of Wood Construction*. Leesburg, VA: AF&PA.

Choi, Y., (2004). *Principles of Applied Civil Engineering Design*. Reston, VA: ASCE.

International Code Council (2009). *International Building Code*.

Original GER Purge List for 2012-13 UAA Catalog with Initial Responses

SUBJECT PREFIX	COURSE NUMBER	BANNER COLLEGE		COURSE EFFECTIVE	LAST TERM OFFERED	Was this course carried over by request from the 2010-11 purge list?	Was this course carried over by request from the 2011-12 purge list?	COURSE IMPACTS	PROGRAM IMPACTS	COMMENTS
		CODE	COURSE TITLE							
CIS	A326	CB	*Information Age Literacy	200803	N/A				BS, Aviation Technology, Aviation Management Emphasis; BS, Aviation Technology, Air Traffic Control Emphasis	GER Integrative Capstone; Retain per Minnie Yen
HNRS	A490	HC	*Senior Honors Seminar	199703	200703		yes		Honors Senior Project/Thesis Requirements (Honors Core)	GER Integrative Capstone; Retain per Ronald Spatz
SOC	A222	AS	*Small/Rural Communities	199702	200901				Associate of Applied Science, Dental Hygiene	GER Social Sciences