Graduate Academic Board

Audio: 786-6755 | ID: 284572 | Agenda

September 14, 2018
9:30-11:30am
Physical location: RH 303
Audio Conference: 786-6755, Passcode: 284572
Link to Live Skype Meeting

I. Roll Call

[-] Vacant (FS. CAS)	[ ] Sam Thiru (CAS)	[-] Vacant (CTC)
[-] Vacant (FS)	[ ] Yoshito Kanamori (CBPP)	[ ] Ruth Terry (LIB)
[-] Vacant (FS)	[ ] Terry Nelson (CBPP)	[ ] Hsing-Wen Hu (SOEd)
[ ] Greg Protasel (FS)	[ ] Anthony Paris (CoENG)	[-] Vacant (GSA)
[-] Vacant (CAS)	[ ] Cindy Knall (COH)	

Ex-Officio Members
[ ] Susan Kalina (OAA)
[ ] Lindsey Chadwell (Office of the Registrar)
[ ] Alyona Selhay, Colleen Cleland & Owen Tucker (Enrollment Services, Publications & Scheduling)

II. Accreditation Self-Study Update, Jennifer Brock

III. Approval of Agenda (pg. 1-2)

IV. Approval of Meeting Summary (pg. 3-5)

V. Administrative Reports (Written)

A. Vice Provost, Susan Kalina

B. University Registrar, Lindsey Chadwell

C. GAB Chair, TBD

VI. Old Business

VII. New Business

A. Election of new chair

VIII. Program/Course Action Request/Policy - Second Readings

IX. Program/Course Action Request/Policy – First Readings

2/27/2018 Chg PM A603: Project Initiation and Planning

2/27/2018	Chg	PM A604: Project Executing, Monitoring and Control
2/27/2018	Chg	PM A605: Operational Integration and Project Closure
2/27/2018	Chg	PM A623: Stakeholder Engagement and Collaboration
2/27/2018	Chg	PM A624: Advanced Project Risk Management
2/27/2018	Chg	PM A626: Project Procurement Management
2/27/2018	Chg	PM A630: Systems Engineering Fundamentals
2/27/2018	Chg	PM A632: Advanced Project Controls
2/27/2018	Chg	PM A650: Advanced Information Technology Project Management
2/27/2018	Chg	PM A651: Advanced Construction Project Management
2/27/2018	Chg	PM A652: Project Definition and Research Methods
2/27/2018	Chg	PM A653: Project Management Application Tools
2/27/2018	Chg	PM A686A: Capstone Project: Initiating and Planning
2/27/2018	Chg	PM A686B: Capstone Project: Executing, Controlling and Closing
2/27/2018	Chg	PM A690: Selected Topics in Project Management
2/27/2018	Chg	PM A695: Project Management Internship
2/27/2018	Chg	PM A698: Individual Research
4/11/2018	Chg	CE A603: Arctic Engineering
2/8/2017	Del	CE A641: Fundamentals of Environmental Engineering and Applied Environmental Science
4/2/2018	Chg	ME A656: Renewable Energy Systems Engineering
11/17/2017	Chg	HS A698: MPH Practicum-Project
11/17/2017	Chg	HS A699: MPH Practicum-Thesis
8/30/2018	Chg	BIOS-MS: Master of Science in Biological Sciences
4/16/2018	Chg	BA A610: Business Intelligence and Analytics
4/16/2018	Chg	BA A633: Problem Formulation and Decision Analysis
4/16/2018	Chg	BA A648: Business Intelligence and Data Mining

X. Informational Items and Adjournment

A. Next Meeting: September 28, 2018 (ADM 204)

B. CoEng CE A6940 CAR (pg. 6-8)

April 27, 2018
9:30-11:30am
Physical location: ADM 204
Audio Conference: 786-6755, Passcode: 284572
Link to Live Skype Meeting

I. Roll Call

[X] Hsing-Wen Hu (COE)
[X] Cindy Knall (COH)
[X] Terry Nelson (CBPP)
[X] Anthony Paris (CoENG, Chair)
[A] Greg Protasel (FS)
[X] Ruth Terry (LIB)
[X] Sam Thiru (CAS)
[X] Jervette Ward (CAS)
[X] Ajit Dayanandan (CBPP)
[-] Vacant (CTC)

Ex-Officio Members
[E] Helena Wisniewski (OAA)
[X] Lindsey Chadwell (Office of the Registrar)
[X] Elisa Mattison (Graduate School)
[X] Alyona Selhay & Owen Tucker (Enrollment Services, Publications and Scheduling)

II. Accreditation Self-Study Update, Jennifer Brock

III. Approval of Agenda (pg. 1-3)

Approved

IV. Approval of Meeting Summary (pg. 4-6)

Approved

V. Administrative Reports (Written)

A. Vice Provost, Helena Wisniewski

B. Interim University Registrar, Lindsey Chadwell
   i. Dates & Deadlines
   ii. 2018-19 Catalog Page Edits Due today
   iii. Spring Graduation Deadline Today
   iv. Final Exam Schedule
   v. Final Grades Due Wednesday, May 9th, 11:59pm

C. Graduate School, Elisa Mattison
   i. 106 students & 53 faculty have RSVPd for Hooding

D. GAB Chair, Anthony Paris

VI. Program/Course Action Request/Policy - Second Readings

2/19/2018	Chg	ECSE-MED: Master of Education in Early Childhood Special Education *Approved 2nd read, forward to Faculty Senate.*

VII. Program/Course Action Request/Policy – First Readings

4/4/2018	Add	PSY A648: Motivational Interviewing *Waive 1st, approve 2nd read. Forward to Faculty Senate.*
2/19/2018	Chg	SPED-GRCERT: Graduate Certificate in Special Education
2/19/2018	Chg	SPED-MED: Master of Education in Special Education *Waive 1st, approve 2nd read. Forward to Faculty Senate.*
2/19/2018	Add	EDSE A623Y: Strategies and Interventions: Preschool Special Education
2/19/2018	Add	EDSE A692Y: Internship Seminar in Early Childhood Special Education Teaching
2/19/2018	Chg	EDSE A695Y: Advanced Internship: Early Childhood Special Education *Waive 1st, approve 2nd read. Forward to Faculty Senate.*
2/20/2018	Add	Modification of Graduate Catalog - Project Review Policy (pg. 7)
2/20/2018	Chg	Modification of Graduate Catalog - Thesis Review Policy (pg. 8-9) *Waive 1st, approve 2nd read. Forward to Faculty Senate.*
2/20/2018	Chg	Modification of Graduate Catalog - Commencement & Hooding Exemption Policy (pg. 10) *Edits requested to include removal of "commencement" through the document. Accepted as 1st read.*
2/20/2018	Chg	Modification of Graduate Catalog - Reinstatement Policy (pg. 11-12) *Waive 1st, approve 2nd read. Forward to Faculty Senate.*
1/24/2018	Chg	CIVL-MS: Master of Science in Civil Engineering (MSCE) *Waive 1st, approve 2nd read. Forward to Faculty Senate.*
		Did not review the remaining agenda items
2/8/2017	Del	CE A641: Fundamentals of Environmental Engineering and Applied Environmental Science
4/11/2018	Chg	CE A603: Arctic Engineering
4/2/2018	Chg	ME A656: Renewable Energy Systems Engineering
11/17/2017	Chg	HS A698: MPH Practicum-Project
11/17/2017	Chg	HS A699: MPH Practicum-Thesis

2/27/2018	Chg	PM A603: Project Initiation and Planning
2/27/2018	Chg	PM A604: Project Executing, Monitoring and Control
2/27/2018	Chg	PM A605: Operational Integration and Project Closure
2/27/2018	Chg	PM A623: Stakeholder Engagement and Collaboration
2/27/2018	Chg	PM A624: Advanced Project Risk Management
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2/27/2018	Chg	PM A630: Systems Engineering Fundamentals
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2/27/2018	Chg	PM A650: Advanced Information Technology Project Management
2/27/2018	Chg	PM A651: Advanced Construction Project Management
2/27/2018	Chg	PM A652: Project Definition and Research Methods
2/27/2018	Chg	PM A653: Project Management Application Tools
2/27/2018	Chg	PM A686A: Capstone Project: Initiating and Planning
2/27/2018	Chg	PM A686B: Capstone Project: Executing, Controlling and Closing
2/27/2018	Chg	PM A690: Selected Topics in Project Management
2/27/2018	Chg	PM A695: Project Management Internship
2/27/2018	Chg	PM A698: Individual Research

VIII. Old Business

IX. New Business

A. 2018-2019 GAB Members

FS, CAS		2018-2019	CBPP	Terry Nelson	2017-2019
FS		2018-2019	COE	Hsing-wen Hu	2017-2019
FS		2018-2019	CoEng	Anthony Paris	2017-2019
FS	Greg Protasel	2018-2019	COH	Cindy Knall	2017-2019
CAS	Jervette Ward	2017-2019	LIB	Ruth Terry	2017-2019
CAS	Sam Thiru	2018-2020	CTC		
CBPP	Yoshito Kanamori	2018-2020	GSA		

B. Election of new chair

X. Informational Items and Adjournment

A. Next Meeting: August 24, 2018 (ADM 204)

B. NSG A694 Telehealth and Telemedicine for Health Care Professionals CAR (pg. 13-17)

C. MBA Catalog Changes: Removal of "waived for students pursuing an MBA with accounting emphasis" due to the accounting emphasis being removed from the 2018-2019 catalog.

D. HS A628 being activated

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

1a. School or College	1b. Division	1c. Department
EN SOENGR	No Division Code	Civil Engineering

2. Course Prefix	3. Course Number	4. Previous Course Prefix & Number	5a. Credits/CEUs	5b. Contact Hours (Lecture + Lab)
CE	A694O		3	(3+0)

6. Complete Course Title: Highway Capacity Manual

Abbreviated Title for Transcript (30 character)

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

8. Type of Action: ☒ Add or ☐ Change or ☐ Delete

If a change, mark appropriate boxes:

- ☐ Prefix
- ☐ Credits
- ☐ Title
- ☐ Grading Basis
- ☐ Course Description
- ☐ Test Score Prerequisites
- ☐ Automatic Restrictions
  - ☐ Class ☐ Level ☐ College ☐ Major
- ☐ Other (please specify)
- ☐ Course Number
- ☐ Contact Hours
- ☐ Repeat Status
- ☐ Cross-Listed/Stacked
- ☐ Course Prerequisites
- ☐ Co-requisites
- ☐ Registration Restrictions
- ☐ General Education Requirement

9. Repeat Status No # of Repeats 0 Max Credits

10. Grading Basis ☒ A-F ☐ P/NP ☐ NG

11. Implementation Date semester/year
From: 08/2018 To: 12/2018

12. ☐ Cross Listed with _____
☒ Stacked with CE A494O
Signature Cross-Listed Coordination

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	Date of Coordination	Chair/Coordinator Contacted
1.			
2.			
3.			

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

13b. Coordination Email Date: _____
submitted to Faculty Listserv: (uaa-faculty@lists.uaa.alaska.edu)

13c. Coordination with Library Liaison Date: _____

14. General Education Requirement *Mark appropriate box:*
☐ Oral Communication ☐ Written Communication ☐ Quantitative Skills ☐ Humanities
☐ Fine Arts ☐ Social Sciences ☐ Natural Sciences ☐ Integrative Capstone

15. Course Description *(suggested length 20 to 50 words)*
Highway capacity analysis for preliminary planning, geometrical design, and current operational capacity of roadway transportation facilities.

16a. Course Prerequisite(s) *(list prefix and number or test code and score)*
CE A405

16b. Co-requisite(s) *(concurrent enrollment required)*

16c. Automatic Restriction(s)
☐ College ☒ Major ☐ Class ☐ Level

16d. Registration Restriction(s) *(non-codable)*

17. ☒ Mark if course has fees Standard Coby fee for CE courses per Assoc Dean. -DAA

18. ☐ Mark if course is a selected topic course

19. Justification for Action
This course will give undergraduate students the basic tools used on the national level in dealing with highway capacity. These tools were introduced to deal with capacity analysis of our transportation network. Engineers in Alaska need to be aware of these tools to use it in design of new facilities and as a corrective action for existing facilities.

DocuSigned by: Osama Abaza — April 12, 2018
Initiator (faculty only) — Date
Osama A. Abaza
Initiator (TYPE NAME)

☐ Approved ☐ Disapproved — DocuSigned by: Joey Yang — April 12, 2018
Department Chair — Date

☒ Approved ☐ Disapproved — Matthew Kupilik — April 26, 2018
College/School Curriculum Committee Chair — Date

☐ Approved ☐ Disapproved — DocuSigned by: Rob Lang — May 10, 2018
Dean/Director of School/College — Date

☐ Approved ☐ Disapproved — _____
Undergraduate/Graduate Academic Board Chair — Date

☑ Approved ☐ Disapproved — 5-16-18
Provost or Designee — Date

CE A490 : CE A690 Distinguished by 690 requiring a scientific paper.

University of Alaska Anchorage
Course Content Guide

I. Date of Initiation: 4-11-2018

II. Curriculum Action Request

A. College: Engineering
B. Course Prefix: CE
C. Course Number: A694O
D. Number of Credits: 3
E. Contact Hours: 145
F. Course Title: Highway Capacity Manual
G. Grading Basis: A-F
H. Implementation Date: Fall 2018
I. Cross-listed/Stacked: CE A494O
J. Course Description: Highway capacity analysis for preliminary planning, geometrical design, and current operational capacity of roadway transportation facilities.
K. Course Prerequisites: CE A405
L. Course Co-requisites: None
M. Other Restrictions: None
N. Registration Restrictions: None
O. Course Fees: None

III. Instructional Goals and Student Learning Outcomes

A. Instructional Goals. The instructor will:
1. Basic methodologies related to analysis of facilities,
2. skills for evaluation of performance,
3. comprehend highway capacity manual standards,
4. understand the types of highway facility case studies,
5. analyze capacity of designed or constructed transportation facilities,
6. analyze capacity of signalized and unsignalized intersection,
7. prepare and write a design project report within a team and conduct a research in the subject area,
8. integrate the social, economic, and environmental aspects in a design project report.

B. Student Learning Outcomes and Assessment Measures

Outcomes	Measures
Comprehend and determine methodologies related to analysis of facilities	Performance in the exam, quizzes, and homework assignments.
Recognize and apply the techniques for evaluation of performance	Performance in presentation of a project report and in a capacity analysis project.
Identify and apply highway capacity manual standards	Performance in the exam, quizzes, and homework assignments.
Discuss and analyze various types of highway facility case studies	Performance in presentation capacity analysis project report.
Analyze capacity of designed or constructed transportation facilities	Performance in the exam, quizzes, and homework assignments.
Analyze capacity of signalized and unsignalized intersection	Performance in presentation and project report.
Prepare and write a design/research project report	Performance in preparing, presenting and writing a

within a team and conduct a research in the subject area	design project report and scientific paper.
integrate the social, economic, and environmental aspects in a design project report,	Performance in preparing, presenting, and writing a design project and scientific paper.

IV. Course Level Justification

This course will give graduate students the basic tools used on the national level in dealing with highway capacity. These tools were introduced to deal with capacity analysis of our transportation network. Engineers in Alaska need to be aware of these tools to use it in design of new facilities and as a corrective action for existing facilities.

V. Topical Course Outline

Topic	**Details**
Introduction	Historical background …
Level of Analysis	Definitions of various terms, Performance measures
Modal Characteristics, Traffic Flow Characteristics	Vehicle and Human factors, Speed – Flow – Density relationship
Uninterrupted Flow, Basic Freeway Segment Analysis	Steps for analysis with example
Freeway Weaving Segment Analysis	Method of capacity analysis with example
Freeway Merge and Diverge Segment Analysis	Method of capacity analysis with example
Multilane Highway Analysis	Method of capacity analysis with example
Two-Lane Highway Analysis	Method of capacity analysis with example
Uninterrupted Flow Urban Street Facilities, Urban Street Segments	General Analysis Considerations, Method of capacity analysis with example
Signalized Intersection	General Design Considerations: Method of capacity analysis with example
Two-Way STOP Control and All-Way STOP Control Intersection	Method of capacity analysis with example
Roundabouts,	Method of capacity analysis with example
Interchange Ramp Terminals, Off-Street Pedestrian and Bicycle Facilities	Method of capacity analysis with example

VI. Suggested Texts

Highway Capacity Manual, 6th Edition, 2016

VII. Bibliography

Highway Capacity Manual. Transportation Research Board, 2010.