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
X. Informational Items and Adjournment

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

B. CoEng CE A6940 CAR (pg. 6-8)
I. Roll Call
[X] Cindy Knall (COH)   [X] Ruth Terry (LIB)   [-] Vacant (CTC)
[X] Terry Nelson (CBPP)   [X] Sam Thiru (CAS)
[X] Anthony Paris (CoENG, Chair)   [X] Jervette Ward (CAS)

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**


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

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 A652: Project Definition and Research Methods
2/27/2018 Chg  PM A653: Project Management Application Tools
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

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FS</td>
<td>2018-2019</td>
<td>COH</td>
<td>Cindy Knall</td>
<td>2017-2019</td>
</tr>
<tr>
<td>CAS</td>
<td>2017-2019</td>
<td>LIB</td>
<td>Ruth Terry</td>
<td>2017-2019</td>
</tr>
<tr>
<td>CAS</td>
<td>2018-2020</td>
<td>CTC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CBPP</td>
<td>2018-2020</td>
<td>GSA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
EN SOENGR

1b. Division
No Division Code

1c. Department
Civil Engineering

2. Course Prefix
CE

3. Course Number
A694O

4. Previous Course Prefix & Number

5a. Credits/CEUs
3

5b. Contact Hours
(Lecture + Lab)
(3+0)

6. Complete Course Title
Highway Capacity Manual

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

8. Type of Action: ☑ Add ☐ Change ☐ Delete

If a change, mark appropriate boxes:
☐ Prefix ☐ Credits ☐ Title ☐ Contact Hours ☐ Repeat Status ☐ Cross-Listed/Stacked
☐ Grading Basis ☐ Course Prerequisites ☐ Co-requisites ☐ Registration Restrictions
☐ Test Score Prerequisites ☐ General Education Requirement
☐ Course Description ☐ Class ☐ Level ☐ College ☐ Major ☐ Other (please specify)

9. Repeat Status No # of Repeats 0 Max Credits

10. Grading Basis
☐ A-F ☐ P/NP ☐ NG

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

12. ☑ Cross Listed with

Stacked with CE A494O

Cross-Listed Coordination

13a. Impacted Courses or Programs: List any programs or college requirements that require this course.

13b. Coordination Email
submitted to Faculty Listserv: [uoa-faculty@lists.uaa.alaska.edu]

13c. Coordination with Library Liaison

14. General Education Requirement
Mark appropriate box:
☐ Oral Communication ☐ Written Communication
☐ Fine Arts ☐ Social Sciences ☐ Quantitative Skills ☐ Humanities
☐ 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 A455

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

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

17. ☑ Mark if course has fees

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.

Osama A. Abaza
April 12, 2018

Rob Lang
May 10, 2018

Osama A. Abaza

Julie Young
April 12, 2018

Matthew Kupilik
April 26, 2018

CE A490: CE A694O 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

<table>
<thead>
<tr>
<th>Outcomes</th>
<th>Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comprehend and determine methodologies related to analysis of facilities</td>
<td>Performance in the exam, quizzes, and homework assignments.</td>
</tr>
<tr>
<td>Recognize and apply the techniques for evaluation of performance</td>
<td>Performance in presentation of a project report and in a capacity analysis project.</td>
</tr>
<tr>
<td>Identify and apply highway capacity manual standards</td>
<td>Performance in the exam, quizzes, and homework assignments.</td>
</tr>
<tr>
<td>Discuss and analyze various types of highway facility case studies</td>
<td>Performance in presentation capacity analysis project report.</td>
</tr>
<tr>
<td>Analyze capacity of designed or constructed transportation facilities</td>
<td>Performance in the exam, quizzes, and homework assignments.</td>
</tr>
<tr>
<td>Analyze capacity of signalized and unsignalized intersection</td>
<td>Performance in presentation and project report.</td>
</tr>
<tr>
<td>Prepare and write a design/research project report</td>
<td>Performance in preparing, presenting and writing a</td>
</tr>
</tbody>
</table>
within a team and conduct a research in the subject area
integrate the social, economic, and environmental aspects in a design project report,

| design project report and scientific paper. | 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**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>Historical background …</td>
</tr>
<tr>
<td>Level of Analysis</td>
<td>Definitions of various terms, Performance measures</td>
</tr>
<tr>
<td>Characteristics</td>
<td>relationship</td>
</tr>
<tr>
<td>Uninterrupted Flow, Basic Freeway</td>
<td>Steps for analysis with example</td>
</tr>
<tr>
<td>Segment Analysis</td>
<td></td>
</tr>
<tr>
<td>Freeway Weaving Segment Analysis</td>
<td>Method of capacity analysis with example</td>
</tr>
<tr>
<td>Freeway Merge and Diverge Segment Analysis</td>
<td>Method of capacity analysis with example</td>
</tr>
<tr>
<td>Multilane Highway Analysis</td>
<td>Method of capacity analysis with example</td>
</tr>
<tr>
<td>Two-Lane Highway Analysis</td>
<td>Method of capacity analysis with example</td>
</tr>
<tr>
<td>Uninterrupted Flow</td>
<td>General Analysis Considerations, Method of capacity analysis with example</td>
</tr>
<tr>
<td>Urban Street Facilities, Urban Street</td>
<td></td>
</tr>
<tr>
<td>Segments</td>
<td></td>
</tr>
<tr>
<td>Signalized Intersection</td>
<td>General Design Considerations: Method of capacity analysis with example</td>
</tr>
<tr>
<td>Two-Way STOP Control and All-Way STOP</td>
<td>Method of capacity analysis with example</td>
</tr>
<tr>
<td>Control Intersection</td>
<td></td>
</tr>
<tr>
<td>Roundabouts</td>
<td>Method of capacity analysis with example</td>
</tr>
<tr>
<td>Interchange Ramp Terminals, Off-Street</td>
<td>Method of capacity analysis with example</td>
</tr>
<tr>
<td>Pedestrian and Bicycle Facilities</td>
<td></td>
</tr>
</tbody>
</table>

VI. **Suggested Texts**

VII. **Bibliography**