

Undergraduate Academic Board Agenda

October 24, 2014

2:00-5:00

ADM 204

I. Roll

() Alberta Harder (FS)	() Vacant (CBPP)	() Kevin Keating (LIB)
() Utpal Dutta (FS)	() Vacant (COH)	() Rick Adams (KPC)
() Francisco Miranda (CAS, Chair)	() Vacant (COH)	() Sheri Denison (Mat-su)
() Barbara Harville (CAS)	() Irasema Ortega (COE)	() Jared Griffin (Kod)
() Vacant (CAS)	() Carrie King (CTC)	() Christina Stuive (ADV)
() Vacant (CAS)	() Jeff Hoffman (SOE)	

Ex-Officio Members

() Susan Kalina
() Lora Volden
() Scheduling and Publications

II. Approval of the Agenda (pg. 1)

III. Approval of Meeting Summary (pg. 2-3)

IV. Administrative Report

A. Vice Provost for Undergraduate Academic Affairs Susan Kalina

B. University Registrar Lora Volden

V. Chair's Report

A. UAB Chair- Francisco Miranda

B. GERC

VI. Program/Course Action Request- Second Readings

VII. Program/Course Action Request- First Readings

Add FIRE A231 Firefighter II (4 cr)(2+6)(pg. 4-9)

Add ME A451 Aerodynamics (stacked with ME A651)(3 cr)(3+0)(pg. 10-14)

Add ACCT A422 Justice for Fraud Victims (3 cr)(3+0)(pg. 15-19)

Chg CIS A345 Managing Data Communications and Computer Networks (3 cr)(3+0)(pg. 20-23)

Chg CIS A365 Object-Oriented Programming (3 cr)(3+0)(pg. 24-29)

Chg CIS A390 Selected Topics in Management Information Systems (1-6 cr)(1-6+0)(pg. 30-33)

VIII. Old Business

IX. New Business

A. General University Requirement related to catalog year (pg. 34)

X. Informational Items and Adjournment

A. Memo re: JPC Contact Hour Catalogue Edits (pg. 35)

B. Faculty Alliance Motion 2014-01: Statewide Minimum Admissions Standards for Baccalaureate Programs (pg. 36-37)

Undergraduate Academic Board Summary

October 10, 2014

2:00-5:00

ADM 204

I. Roll

(x) Alberta Harder (FS)	() Vacant (CBPP)	(x) Kevin Keating (LIB)
(x) Utpal Dutta (FS)	() Vacant (COH)	(x) Rick Adams (KPC)
(x) Francisco Miranda (CAS, Chair)	() Vacant (COH)	(x) Sheri Denison (Mat-su)
(x) Barbara Harville (CAS)	(e) Irasema Ortega (COE)	(x) Jared Griffin (Kod)
() Vacant (CAS)	(x) Carrie King (CTC)	(x) Christina Stuve (ADV)
() Vacant (CAS)	(x) Jeff Hoffman (SOE)	

Ex-Officio Members

(x) Susan Kalina
() Lora Volden
(x) Scheduling and Publications

II. Approval of the Agenda (pg. 1-2)
Add 'Discussion of Board Values' to the New Business
Postpone BIOL A481 until GERC approval
Approved as amended

III. Approval of Meeting Summary (pg. 3-4)
Approved

IV. Administrative Report

A. Vice Provost for Undergraduate Academic Affairs Susan Kalina
Discussed the credit review process: see Informational Items for more information

B. University Registrar Lora Volden
No Report

V. Chair's Report

A. UAB Chair- Francisco Miranda

B. GERC
Approved BIOL A473
Forum will be held on October 24th to discuss the GER and GELO outcomes

VI. Program/Course Action Request- Second Readings

Chg ENGL A109 Introduction to Writing in Academic Contexts (3 cr)(3+0)(pg. 5-10)
Unanimously Approved

Chg BIOL A473 Conservation Biology (GER)(3 cr)(3+0)(pg. 11-15)
Unanimously Approved

~~Chg BIOL A481 Marine Biology (GER)(3 cr)(3+0)(pg. 16-20)~~

VII. Program/Course Action Request- First Readings

Add BIOL A482 Spatial Ecology (3 cr)(3+0)(pg. 21-25)
Add BIOL A483 Exploration Ecology (2 cr)(2+0)(pg. 26-30)
Add BIOL A484 Experiential Learning: Exploration Ecology Field Study (4 cr)(0+8)(pg. 31-35)
Add BIOL A486 Evolutionary Ecology (3 cr)(3+0)(pg. 36-40)
Chg BIOL A487 Comparative Anatomy of Vertebrates (3 cr)(3+0)(pg. 41-43)
Chg BIOL A488 Experiential Learning: Development Biology (4 cr)(2+4)(pg. 44-47)
BIOL A482 – BIOL A488 Waive first reading, approved for second

Chg BIOL A489 Population Genetics and Evolutionary Processes (GER)(3 cr)(3+0)(pg. 48-52)
Accepted for first reading, going to GERC

Chg BIOL A495 Instructional Practicum: Laboratory (1 cr)(0+3)(pg. 53-55)
Waive first reading, approved for second

Chg Bachelor of Arts, Biological Sciences (pg. 56-57)
Chg Bachelor of Science, Biological Sciences (pg. 58-80)
Chg Bachelor of Science, Natural Sciences (pg. 81-107)
Waive first reading, approved for second

VIII. Old Business

IX. New Business

A. Discussion of Board Values

Barbara Harville presented a draft presentation of the board values including:

- *Values Statement*
- *Priorities, Procedures, and Processes Statement*
- *UAB Priorities for the institution and faculty initiators*
- *Board Specific Priorities, procedures, and processes*

X. Informational Items and Adjournment

A. **Credit Hour Review Process:** In response to a new NWCCU policy on credit hours, an AY14 subcommittee of the UAB and GAB recommended a process to review class scheduling practices relative to approved CAR/CCG credit hours. In Fall 2014 UAA ran a pilot, which focused on traditional face-to-face offerings. After filtering for apparent face-to-face delivery, a total of 143 course sections were sent to the colleges for review. Findings and Actions: Most of the courses integrated nontraditional components, such as a practicum or 0-credit lab, and were found to be in compliance. Sixteen sections were rescheduled to meet the required contact hours. Departments will revise the curriculum documents for nine courses in order to reflect current practice.



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

1a. School or College KP KPC		1b. Division No Division Code		1c. Department Business and Industry	
2. Course Prefix FIRE	3. Course Number A231	4. Previous Course Prefix & Number none	5a. Credits/CEUs 4	5b. Contact Hours (Lecture + Lab) (2+6)	
6. Complete Course Title Firefighter II <small>Abbreviated Title for Transcript (30 character)</small>					
7. Type of Course <input checked="" type="checkbox"/> Academic <input type="checkbox"/> Preparatory/Development <input type="checkbox"/> Non-credit <input type="checkbox"/> CEU <input type="checkbox"/> Professional Development					
8. Type of Action: <input checked="" type="checkbox"/> Add or <input type="checkbox"/> Change or <input type="checkbox"/> Delete <small>If a change, mark appropriate boxes:</small> <input type="checkbox"/> Prefix <input type="checkbox"/> Course Number <input type="checkbox"/> Credits <input 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 type="checkbox"/> Course Description <input type="checkbox"/> Course Prerequisites <input type="checkbox"/> Test Score Prerequisites <input type="checkbox"/> Co-requisites <input type="checkbox"/> Automatic Restrictions <input type="checkbox"/> Registration Restrictions <input type="checkbox"/> Class <input type="checkbox"/> Level <input type="checkbox"/> College <input type="checkbox"/> Major <input type="checkbox"/> Other (please specify) <input type="checkbox"/> General Education Requirement			9. Repeat Status No # of Repeats Max Credits		
			10. Grading Basis <input checked="" type="checkbox"/> A-F <input type="checkbox"/> P/NP <input type="checkbox"/> NG		
			11. Implementation Date semester/year From: Spring/2015 To: /		
			12. <input type="checkbox"/> Cross Listed with _____ <input type="checkbox"/> Stacked with _____ Cross-Listed Coordination Signature _____		
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): <u>Bryan Crisp</u> Initiator Signed Initials: _____ Date: _____					
13b. Coordination Email Date: <u>09/22/2014</u> submitted to Faculty Listserv: (uaa-faculty@lists.uaa.alaska.edu)			13c. Coordination with Library Liaison Date: <u>03/27/2014</u>		
14. General Education Requirement <input type="checkbox"/> Oral Communication <input type="checkbox"/> Written Communication <input type="checkbox"/> Quantitative Skills <input type="checkbox"/> Humanities Mark appropriate box: <input type="checkbox"/> Fine Arts <input type="checkbox"/> Social Sciences <input type="checkbox"/> Natural Sciences <input type="checkbox"/> Integrative Capstone					
15. Course Description (suggested length 20 to 50 words) Introduces advanced firefighting operations and fundamentals including: incident management, evidence protection and incident reports; communications, foam operations, flammable liquid and gas fires, vehicle extrication, special rescue teams, fire safety and pre-incident surveys and training; equipment maintenance and testing. Special Note: Successful completion of Firefighter II will qualify and prepare the student to sit for Alaska State Firefighter II certification exam. All students are required to wear a complete set of fire department approved protective clothing (turnout gear) during skills training. Turnout gear provided.					
16a. Course Prerequisite(s) (list prefix and number or test code and score) FIRE A137			16b. Co-requisite(s) (concurrent enrollment required) none		
16c. Automatic Restriction(s) <input type="checkbox"/> College <input type="checkbox"/> Major <input type="checkbox"/> Class <input type="checkbox"/> Level			16d. Registration Restriction(s) (non-codable) none		
17. <input checked="" type="checkbox"/> Mark if course has fees			18. <input type="checkbox"/> Mark if course is a selected topic course		
19. Justification for Action Course builds upon coursework for Fire Fighter I certification preparation and fulfills workforce need for Fire Fighter II certification preparation.					

<div><div><input type="checkbox"/> Approved</div><div><input type="checkbox"/> Disapproved</div></div>		<div><div><input type="checkbox"/> Approved</div><div><input type="checkbox"/> Disapproved</div></div>	
<div><div>Initiator (faculty only)</div><div><div><div>Bryan Crisp</div><div>Initiator (TYPE NAME)</div></div><div><div><input type="checkbox"/> Approved</div><div><input type="checkbox"/> Disapproved</div></div><div><div>Department Chair</div><div>Date</div></div></div></div>		<div><div>Dean/Director of School/College</div><div>Date</div></div>	
<div><div><input type="checkbox"/> Approved</div><div><input type="checkbox"/> Disapproved</div></div>		<div><div><input type="checkbox"/> Approved</div><div><input type="checkbox"/> Disapproved</div></div>	
<div><div>College/School Curriculum Committee Chair</div><div>Date</div></div>		<div><div>Undergraduate/Graduate Academic Board Chair</div><div>Date</div></div>	
<div><div><input type="checkbox"/> Approved</div><div><input type="checkbox"/> Disapproved</div></div>		<div><div><input type="checkbox"/> Approved</div><div><input type="checkbox"/> Disapproved</div></div>	
<div><div>Provost or Designee</div><div>Date</div></div>			

**University of Alaska Anchorage
Kenai Peninsula College
Course Content Guide**

I. Initiation Date: March 7, 2014

II. Course Information

- | | |
|---|--|
| A. College: | Kenai Peninsula College |
| B. Course Title: | Firefighter II |
| C. Course Subject/Number: | FIRE A231 |
| D. Credit: | 4 |
| E. Contact Time: | 2+6 |
| F. Grading Information: | A-F |
| G. Course Description: | Introduces advanced firefighting operations and fundamentals including: incident management, evidence protection and incident reports; communications, foam operations, flammable liquid and gas fires, vehicle extrication, special rescue teams, fire safety and pre-incident surveys and training; equipment maintenance and testing.

Special Note: Successful completion of Firefighter II will qualify and prepare the student to sit for Alaska State Firefighter II certification exam. All students are required to wear a complete set of fire department approved protective clothing (turnout gear) during skills training. Turnout gear provided. |
| H. Status of course relative to degree or certificate programs: | Elective for Associates of Applied Science in Fire and Emergency Services Technology |
| I. Lab Fee: | Yes |
| J. Coordination: | UAA-CTC Fire Science (Tim Benningfield) |
| K. Course Prerequisite: | FIRE A137 |
| L. Registration Restrictions: | None |

III. Course Level Justification

This course incorporates foundational knowledge obtained in FIRE A131, FIRE A133, FIRE A135 and Fire A137 to introduce advanced firefighting and rescue practices.

IV. Instructional Goals

The instructor will:

- A. Provide students with the fundamentals of advanced firefighting operations, which meet the National Fire Protection Association (NFPA) standards and the State of Alaska standards to prepare for the Firefighter II certification exam.
- B. Provide students with the necessary experience and content information to prepare students for the State of Alaska Firefighter II certification examination.

V. Student Learning Outcomes

The student will be able to:	One or more of the following assessment methods will be used:
1. Determine the need for an Incident Command System (ICS) and demonstrate ability to function within the ICS.	Written assignments, Quizzes, Tests and Psychomotor skills testing
2. Conduct radio communications for entire team and maintain associated equipment.	Written assignments, Quizzes, Tests and Psychomotor skills testing
3. Demonstrate ability to respond to various fire types and fire intensities and operate and maintain firefighting and lifesaving equipment appropriate to each.	Written assignments, Quizzes, Tests and Psychomotor skills testing
4. Demonstrate ability to analyze fire origins and possible causes and to protect evidence.	Written assignments, Quizzes, Tests and Psychomotor skills testing
5. Demonstrate ability to conduct vehicle extraction and serve in a specialized rescue team.	Written assignments, Quizzes, Tests and Psychomotor skills testing
6. Instruct public on fire safety prevention and conduct fire safety surveys, including identifying fire suppression and detection systems and hazard identification.	Written assignments, Quizzes, Tests and Presentations

VI. Course Content Outline

- A. Orientation
 1. Responsibilities
 2. Roles
- B. Fire service communications
 1. Emergency messages
 2. Records and reporting
- C. Incident Command System (ICS)
 1. Introduction
 2. History
 3. Characteristics
 4. Organization
 5. Concepts and terminology
 6. Implementing
 7. Working within ICS

- D. Firefighter tools and equipment
 - 1. Search and rescue tools
 - 2. Tool staging
 - 3. Cleaning
 - 4. Inspecting
- E. Ropes and knots
 - 1. Technical rescue hardware
 - 2. Technical rescue incidents
- F. Forcible entry
 - 1. Tool use
 - 2. Tool safety
 - 3. Carrying tools
 - 4. Maintenance
 - 5. Types of tools
- G. Ventilation
 - 1. Tactical priorities
 - 2. Indicators for roof collapse
- H. Water supply
 - 1. Hose inspections
 - 2. Hose testing
 - 3. Hose records
- I. Fire attack and foam
 - 1. Foam classifications
 - 2. Foam concentrates
 - 3. Foam equipment
 - 4. Foam application and techniques
- J. Salvage and overhaul
 - 1. Electric generators
 - 2. Lighting methods
 - 3. Cleaning and maintenance
- K. Fire suppression
 - 1. Command considerations
 - 2. Understand and coordinate interior fire attack
 - 3. Ventilation
 - 4. Flammable gas cylinders
- L. Pre-incident planning
 - 1. Pre-incident plan
 - 2. Conducting pre-incident survey
 - 3. Tactical information
 - 4. Occupancy considerations
 - 5. Special considerations
- M. Vehicle rescue and extrication
 - 1. Types
 - 2. Vehicle anatomy
 - 3. Responding
 - 4. Arrival and size-up
 - 5. Gaining access and disentangling victims
 - 6. Tools

7. Removing and transporting victims
8. Terminating incident
- N. Assisting special rescue teams
 1. Types of resources
 2. Guidelines for operations
 3. Steps of special rescue
 4. Post incident duties
 5. General rescue scene procedures
 6. Assisting rescue crews
- O. Fire prevention and public education
 1. Defining fire prevention
 2. Fire cause determination
 3. Conducting fire safety surveys
 4. Conducting fire station tours
- P. Fire detection, protection and suppression systems
 1. Alarm and detection systems
 2. Fire suppression systems
- Q. Fire cause determination
 1. Investigation personnel
 2. Determining origin and cause
 3. Securing and transferring property
 4. Incendiary fires
 5. Cause determination
 6. Arsonists

VII. Suggested Texts:

International Association of Fire Chiefs. National Fire Protection Association (2014). *Fundamentals of Firefighter Skills*, 3rd Ed., Sudbury, MA: Jones and Bartlett Publishers

International Association of Fire Chiefs. National Fire Protection Association (2014). *Fundamentals of Firefighter Skills*, 3rd Ed., Student Workbook. Sudbury, MA: Jones and Bartlett Publishers

VIII. Bibliography

- Association, I. F. (2013). *Essentials of Firefighting and Fire Department Operations* (6th ed.). Upper Saddle River, NJ: Prentice Hall.
- Association, N. F. (2014). *International Association of Fire Chiefs*. (3rd, Ed.) Sudbury, MA: Jones and Bartlett.
- Corporation, P. (2009). *Fire Engineering: Fire Engineering's Handbook for Firefighter I and II*. Tulsa, OK: PennWell Corporation.
- Learning, C. (2008). *Firefighter's Handbook: Essentials of Firefighting* (3rd ed.). Clifton Park, NY: Delmar Publishers.
- Learning, C. (2008). *Firefighter's Handbook: Firefighting and Emergency Response* (3rd ed.). Clifton Park: Delmar Publishers.



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 Mechanical Engineering																	
2. Course Prefix ME	3. Course Number A451	4. Previous Course Prefix & Number N/A	5a. Credits/CEUs 3	5b. Contact Hours (Lecture + Lab) (3+0)																	
6. Complete Course Title Aerodynamics Aerodynamics <small>Abbreviated Title for Transcript (30 character)</small>																					
7. Type of Course <input checked="" type="checkbox"/> Academic <input type="checkbox"/> Preparatory/Development <input type="checkbox"/> Non-credit <input type="checkbox"/> CEU <input type="checkbox"/> Professional Development																					
8. Type of Action: <input checked="" type="checkbox"/> Add or <input type="checkbox"/> Change or <input type="checkbox"/> Delete <i>If a change, mark appropriate boxes:</i> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Prefix <input type="checkbox"/> Credits <input type="checkbox"/> Title <input type="checkbox"/> Grading Basis <input type="checkbox"/> Course Description <input type="checkbox"/> Test Score Prerequisites <input type="checkbox"/> Other Restrictions <div style="display: flex; justify-content: space-between; font-size: small;"> <div><input type="checkbox"/> Class <input type="checkbox"/> College <input type="checkbox"/> Other</div> <div><input type="checkbox"/> Level <input type="checkbox"/> Major (please specify)</div> </div> </div> <div style="width: 45%;"> <input type="checkbox"/> Course Number <input type="checkbox"/> Contact Hours <input type="checkbox"/> Repeat Status <input type="checkbox"/> Cross-Listed/Stacked <input type="checkbox"/> Course Prerequisites <input type="checkbox"/> Co-requisites <input type="checkbox"/> Registration Restrictions </div> </div>			9. Repeat Status No # of Repeats Max Credits																		
			10. Grading Basis <input checked="" type="checkbox"/> A-F <input type="checkbox"/> P/NP <input type="checkbox"/> NG																		
			11. Implementation Date <small>semester/year</small> From: Fall/2015 To: 99/9999																		
			12. <input type="checkbox"/> Cross Listed with _____ <input checked="" type="checkbox"/> Stacked with ME A651 _____ <small>Signature</small> <small>Cross-Listed Coordination</small>																		
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 . <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width:35%;">Impacted Program/Course</th> <th style="width:20%;">Catalog Page(s) Impacted</th> <th style="width:20%;">Date of Coordination</th> <th style="width:25%;">Chair/Coordinator Contacted</th> </tr> </thead> <tbody> <tr> <td>1. Mechanical Engineering</td> <td>Courtesy Coordination</td> <td>10/3/2014</td> <td>Jennifer Brock</td> </tr> <tr> <td>2.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3.</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						Impacted Program/Course	Catalog Page(s) Impacted	Date of Coordination	Chair/Coordinator Contacted	1. Mechanical Engineering	Courtesy Coordination	10/3/2014	Jennifer Brock	2.				3.			
Impacted Program/Course	Catalog Page(s) Impacted	Date of Coordination	Chair/Coordinator Contacted																		
1. Mechanical Engineering	Courtesy Coordination	10/3/2014	Jennifer Brock																		
2.																					
3.																					
Initiator Name (typed): <u>Jifeng Peng</u> Initiator Signed Initials: _____ Date: _____																					
13b. Coordination Email Date: <u>10/3/2014</u> <small>submitted to Faculty Listserv: (uaa-faculty@lists.uaa.alaska.edu)</small>			13c. Coordination with Library Liaison Date: <u>10/3/2014</u>																		
14. General Education Requirement <input type="checkbox"/> Oral Communication <input type="checkbox"/> Written Communication <input type="checkbox"/> Quantitative Skills <input type="checkbox"/> Humanities Mark appropriate box: <input type="checkbox"/> Fine Arts <input type="checkbox"/> Social Sciences <input type="checkbox"/> Natural Sciences <input type="checkbox"/> Integrative Capstone																					
15. Course Description (<i>suggested length 20 to 50 words</i>) Introduce the fundamentals of aerodynamics, including boundary layer theories, aerodynamics of lifting flow over airfoils, wings of finite span, and airfoil theory in subsonic, transonic and supersonic flows.																					
16a. Course Prerequisite(s) (<i>list prefix and number</i>) (MATH A302, ES A341, and ME A313) with minimum grade of C.		16b. Test Score(s)		16c. Co-requisite(s) (<i>concurrent enrollment required</i>)																	
16d. Other Restriction(s) <input type="checkbox"/> College <input type="checkbox"/> Major <input type="checkbox"/> Class <input type="checkbox"/> Level		16e. Registration Restriction(s) (<i>non-codable</i>)																			
17. <input checked="" type="checkbox"/> Mark if course has fees Standard CoENG fee		18. <input type="checkbox"/> Mark if course is a selected topic course																			
19. Justification for Action Added to satisfy demand for BSE ME Advanced Engineering Electives.																					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Initiator (faculty only) _____ Date _____ <u>Jifeng Peng</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 _____ </div> <div style="width: 45%;"> <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved Dean/Director of School/College _____ Date _____ <input type="checkbox"/> Approved Undergraduate/Graduate Academic Board Chairperson _____ Date _____ <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved Provost or Designee _____ Date _____ </div> </div>																					

COURSE CONTENT GUIDE

University of Alaska Anchorage, College of Engineering

ME A451 Aerodynamics

1. Course Starting Date	Fall 2015
2. Course Information	
A. College	College of Engineering (CoENG)
B. Course Prefix	ME
C. Course Number	A451
D. Number of Credits and Contact Hours	Number of Credits: 3 Contact Hours: 3+0
E. Course Title	Aerodynamics
F. Grading Basis	A-F
G. Implementation Date	Fall 2015
H. Course Description	Introduce the fundamentals of aerodynamics, including boundary layer theories, aerodynamics of lifting flow over airfoils, wings of finite span, and airfoil theory in subsonic, transonic and supersonic flows.
I. Course Prerequisites	(MATH A302, ES A341, and ME A313) with minimum grade of C.
J. Course Fee	Standard CoENG fee
K. Stacked	Yes, with ME A651

3. Course Level Justification

This course introduces topics in aerodynamics for upper-level undergraduate students. This course builds upon core 300 level engineering and mathematics courses.

4. Instructional Goals

The instructor will

1. Present the basic aerodynamics principles of lift on airfoils.

2. Present analytical methods for determining lift, including the Navier-Stokes Equations, boundary layer theory, Kutta-Joukowski theorem, Biot-Savart Law.
3. Present airfoil theory and finite-wing theory.
4. Present aircraft wing design, flight performance, stability and control.
5. Present examples of transonic and supersonic flows, shock and expansion waves.

5. Student Learning Outcomes and Assessment Methods

Students will be evaluated using a variety of tools at the instructor's discretion which may include but are not limited to those listed below.

Student Learning Outcomes	Assessment Method
Upon completion of this course, students will be able to:	
1. Demonstrate the understanding of boundary layer theory.	Homework assignments, projects, quizzes, midterm exams, in-class presentations, and a final/comprehensive exam
2. Determine the coefficients of lift and drag on airfoils.	Homework assignments, projects, quizzes, midterm exams, in-class presentations, and a final/comprehensive exam
3. Find exact solutions to simple inviscid, incompressible flows given the governing equations and boundary conditions.	Homework assignments, projects, quizzes, midterm exams, in-class presentations, and a final/comprehensive exam
4. Model the flow fields around aerodynamic bodies.	Homework assignments, projects, quizzes, midterm exams, in-class presentations, and a final/comprehensive exam
5. Formulate and apply appropriate aerodynamic models to predict the forces on aircraft wings.	Homework assignments, projects, quizzes, midterm exams, in-class presentations, and a final/comprehensive exam
6. Perform simple aerodynamic analysis and design.	Homework assignments, projects, quizzes, midterm exams, in-class presentations, and a final/comprehensive exam

6. Topical Course Outline

This course will cover a variety of topics related to aerodynamics, which may include but are not limited to:

1. Basic Aerodynamics
 - a. The Fundamental Principles Governing Aerodynamics

- b. Navier-Stokes equations
 - c. Boundary layer theory
- 2. Aerodynamics for Inviscid, Incompressible Flow
 - a. Bernoulli's equation
 - b. Pitot-tube
 - c. Kutta-Joukowski theorem
- 3. Airfoils, Wings and other Aerodynamic Shapes
 - a. Elements of Airplane Performance
 - b. Lift and drag
 - c. Classic thin airfoil theory
- 4. The Aerodynamic Analysis of Incompressible Flow Over Airfoils
 - a. Vortex filament
 - b. The Biot-Savart law
 - c. Prandtl's lifting-line theory
 - d. The lifting surface theory
- 5. Aerodynamic Analysis of Flow Over Finite Wings
 - a. Wing-tip vortex
 - b. Induced drag
- 6. Principles of Stability and Control
 - a. Aircraft stability
 - b. Control
- 7. Introduction to Inviscid, Compressible Flow
 - a. Thermodynamics
 - b. Stagnation points
 - c. Mach number
- 8. Introduction to Shock & Expansion Waves
 - a. Speed of sound
 - b. Normal shock wave properties
 - c. Expansion wave properties

7. Suggested Text

Anderson J. D. Fundamentals of Aerodynamics, 5th Edition, McGraw Hill, 2010.

8. Bibliography

Anderson J. D. Introduction to Flight, 6th Edition, McGraw Hill, 2008.

Anderson J. D. Modern Compressible Flow with Historical Perspective, 3rd Edition, McGraw Hill, 2003.

Milne-Thomson L. M. Theoretical Aerodynamics, Dover, 2011.



Course Action Request

University of Alaska Anchorage

Proposal to Initiate, Add, Change, or Delete a Course

1a. School or College CB CBPP		1b. Division ADBP Division of Business Programs		1c. Department ACCT	
2. Course Prefix ACCT	3. Course Number A422	4. Previous Course Prefix & Number A494A	5a. Credits/CEUs 3	5b. Contact Hours (Lecture + Lab) (3+0)	
6. Complete Course Title Justice for Fraud Victims <small>Abbreviated Title for Transcript (30 character)</small>					
7. Type of Course <input checked="" type="checkbox"/> Academic <input type="checkbox"/> Preparatory/Development <input type="checkbox"/> Non-credit <input type="checkbox"/> CEU <input type="checkbox"/> Professional Development					
8. Type of Action: <input checked="" type="checkbox"/> Add or <input type="checkbox"/> Change or <input type="checkbox"/> Delete <small>If a change, mark appropriate boxes:</small>			9. Repeat Status No # of Repeats Max Credits		
<input type="checkbox"/> Prefix <input type="checkbox"/> Credits <input type="checkbox"/> Title <input type="checkbox"/> Grading Basis <input type="checkbox"/> Course Description <input type="checkbox"/> Test Score Prerequisites <input type="checkbox"/> Automatic Restrictions <input type="checkbox"/> Class <input type="checkbox"/> Level <input type="checkbox"/> College <input type="checkbox"/> Major <input type="checkbox"/> Other (please specify)			<input type="checkbox"/> Course Number <input type="checkbox"/> Contact Hours <input type="checkbox"/> Repeat Status <input type="checkbox"/> Cross-Listed/Stacked <input type="checkbox"/> Course Prerequisites <input type="checkbox"/> Co-requisites <input type="checkbox"/> Registration Restrictions <input type="checkbox"/> General Education Requirement		
			10. Grading Basis <input checked="" type="checkbox"/> A-F <input type="checkbox"/> P/NP <input type="checkbox"/> NG		
			11. Implementation Date <small>semester/year</small> From: Spring/2015 To: /9999		
			12. <input type="checkbox"/> Cross Listed with _____ <input type="checkbox"/> Stacked with _____ Cross-Listed Coordination Signature		
13a. Impacted Courses or Programs: List any programs or college requirements that require this course. <small>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.</small>					
<i>Impacted Program/Course</i>		<i>Date of Coordination</i>		<i>Chair/Coordinator Contacted</i>	
1. Bachelor of Business Administration, Accounting		09/05/2014		C. Patrick Fort	
2. Minor, Accounting		09/05/2014		C. Patrick Fort	
3.					
Initiator Name (typed): <u>Soren Orley</u> Initiator Signed Initials: _____ Date: _____					
13b. Coordination Email Date: <u>10/01/2014</u> <small>submitted to Faculty Listserv: (uaa-faculty@lists.uaa.alaska.edu)</small>			13c. Coordination with Library Liaison Date: <u>10/01/2014</u>		
14. General Education Requirement <small>Mark appropriate box:</small> <input type="checkbox"/> Oral Communication <input type="checkbox"/> Written Communication <input type="checkbox"/> Quantitative Skills <input type="checkbox"/> Humanities <input type="checkbox"/> Fine Arts <input type="checkbox"/> Social Sciences <input type="checkbox"/> Natural Sciences <input type="checkbox"/> Integrative Capstone					
15. Course Description <small>(suggested length 20 to 50 words)</small> Utilizes forensic accounting techniques to investigate actual fraud cases that are brought to the class by various law enforcement agencies. Teams of students will work on each case to determine whether fraud has occurred, and if it has occurred, is it prosecutable?					
16a. Course Prerequisite(s) <small>(list prefix and number or test code and score)</small> (ACCT A302 and ACCT A316) with a minimum grade of C.			16b. Co-requisite(s) <small>(concurrent enrollment required)</small> N/A		
16c. Automatic Restriction(s) <input type="checkbox"/> College <input type="checkbox"/> Major <input type="checkbox"/> Class <input type="checkbox"/> Level			16d. Registration Restriction(s) <small>(non-codable)</small> Permission of Instructor. College of Business and Public Policy majors must be admitted to upper-division standing.		
17. <input checked="" type="checkbox"/> Mark if course has fees Standard CBPP computer lab fee			18. <input type="checkbox"/> Mark if course is a selected topic course		
19. Justification for Action Making an experimental course a permanent course based upon demand.					

Initiator (faculty only)		Date	<input type="checkbox"/> Approved		
<u>Soren Orley</u>			<input type="checkbox"/> Disapproved	Dean/Director of School/College	Date
Initiator (TYPE NAME)					
<input type="checkbox"/> Approved			<input type="checkbox"/> Approved	Undergraduate/Graduate Academic	Date
<input type="checkbox"/> Disapproved	Department Chair	Date	<input type="checkbox"/> Disapproved	Board Chair	
<input type="checkbox"/> Approved			<input type="checkbox"/> Approved		
<input type="checkbox"/> Disapproved	College/School Curriculum Committee Chair	Date	<input type="checkbox"/> Disapproved	Provost or Designee	Date

COURSE CONTENT GUIDE
UNIVERSITY OF ALASKA ANCHORAGE
COLLEGE OF BUSINESS AND PUBLIC POLICY

I. Date Initiated October 21, 2014

II. Course Information

College/School: College of Business and Public Policy
Department: Accounting
Program: Bachelor of Business Administration, Accounting; Minor, Accounting
Course Title: Justice for Fraud Victims
Course Number: ACCT A422
Credits: 3
Contact Hours: 3 per week x 15 weeks = 45 hours
0 lab hours x 15 weeks = 0 lab hours
6 hours outside of class per week x 15 weeks = 90 hours
Grading Basis: A-F
Course Description: Utilizes forensic accounting techniques to investigate actual fraud cases that are brought to the class by various law enforcement agencies. Teams of students will work on each case to determine whether fraud has occurred, and if it has occurred, is it prosecutable?
Course Prerequisites: (ACCT A302 and ACCT A316) with a minimum grade of C
Registration Restrictions: Permission of Instructor. College of Business and Public Policy majors must be admitted to upper-division standing.
Fees: Standard CBPP computer lab fee.

III. Course Activities

- A. Lectures
- B. Class discussions
- C. In-class forensic examinations
- D. Comprehensive forensic examination

IV. Course Level Justification

Students are expected to have successfully completed 300-level accounting courses prior to taking this course.

V. Outline

- A. Mentor Meetings and Case Summary
- B. Victim Interviews
- C. Forensic Examination
- D. Prepare Workpapers
- E. Report Writing and Final Deliverables
 - 1. Forensic examination
 - 2. Internal control report
- F. Presentation of Findings
 - 1. To law enforcement
 - 2. To the victim

VI. Suggested Text

Kranacher, M., Riley, R. & Wells, J. T. (2010). *Forensic accounting and fraud examination* (1st ed.) Hoboken, NJ: Wiley.

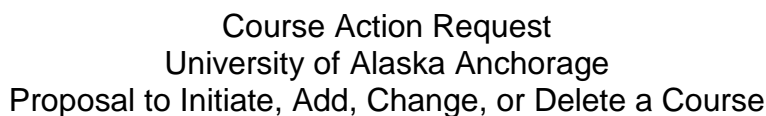
VII. Bibliography

- Albrecht, W. S., Albrecht, C. C., Albrecht, C. O., & Zimbleman, M. F. (2011). *Fraud examination* (4th ed.). Florence, KY: South-Western College Publishing.
- Mulford, C. W., & Comiskey, E. E. (2005). *The financial numbers game: Detecting creative accounting practices*. Hoboken, NJ: Wiley.
- Schilit, H. & Perler, J. (2010). *Financial shenanigans: How to detect accounting gimmicks & fraud in financial reports* (3rd ed.). New York, NY: McGraw Hill.
- Silversont, H. & Sheetz, M. (2006). *Fraud auditing and forensic accounting* (4th ed.). Hoboken, NJ: Wiley.
- Singleton, T. & Singleton, A. (2010). *Forensic accounting and fraud investigation for non-experts* (2nd ed.). Hoboken, NJ: Wiley.
- Wells, J. T. (2014). *Principles of fraud examination* (4th ed.). Hoboken, NJ: Wiley.

VIII. Instructional Goals and Student Learning Outcomes

A. Instructional Goals. The instructor will:
1. Demonstrate appropriate documentation for investigative reports
2. Instruct students in developing presentation skills
3. Demonstrate proper interview techniques
4. Instruct students in proper fraud professional report writing
5. Explain various methods to analyze accounting records for fraud
6. Describe chain of custody procedures

B. Student Learning Outcomes. Students will be able to:	Assessment Method
1. Demonstrate appropriate documentation techniques	Homework and logbooks
2. Design and deliver a professional presentation	Team presentations
3. Conduct interviews and report results	Formal forensic accounting reports and team presentations
4. Write a professional/technical report	Formal forensic accounting reports
5. Analyze accounting records for fraud	Formal forensic accounting reports
6. Create report that discusses chain of custody procedures used for fraud investigations	Formal forensic accounting reports

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COURSE CONTENT GUIDE
UNIVERSITY OF ALASKA ANCHORAGE
COLLEGE OF BUSINESS AND PUBLIC POLICY

- I. Date Initiated** January 17, 2014
- II. Course Information**
- College/School:** College of Business and Public Policy
Department: Computer Information Systems
Program: Bachelor of Business Administration, Management Information Systems; Associate of Applied Science, Business Computer Information Systems
- Course Title:** Managing Data Communications and Computer Networks
Course Number: CIS A345
Credits: 3
Contact Hours: 3 per week x 15 weeks = 45 hours
0 lab hours
Approximately 6 to 10 hours outside of class per week x 15 weeks = 90 to 150 hours
- Grading Basis:** A-F
- Course Description:** Introduces the rapidly changing environment of data communications over local area networks and over switched and private voice lines. Focuses on the control and management of data in a distributed environment, the technology issues associated with data communications, and current trends in the industry.
- Course Prerequisites:** CIS A110 with a minimum grade of C
- Registration Restrictions:** College of Business & Public Policy majors must be admitted to upper-division standing.
- Fees:** Standard CBPP computer lab fee
- III. Course Activities**
- A. Lectures
B. Lab assignments
C. Project assignments
- IV. Course Level Justification**
- Students are expected to be familiar with computer concepts, including operating systems and computer hardware/software basics, and are expected to integrate this knowledge to understand how the computers exchange data.

V. Outline

- A. Historical Perspective on Communications, Information Systems and Data Networks
- B. TCP/IP Layer Model – Five Layers
- C. Support Services for Local Area Networks
 - 1. DHCP
 - 2. NAT/NAPT
 - 3. ARP
 - 4. DNS
- D. Subnetting
- E. Routing
- F. Wide Area Networks
- G. Wireless Networks
- H. Phone Networks
- I. Network Security
- J. Management Issues

VI. Instructional Goals and Student Learning Outcomes

A. Instructional Goals. The instructor will:
1. Present technical requirements and justification of telecommunications networks based upon their business requirements. Present an analysis of the business implications of each technical concept.
2. Describe communications protocols focusing on the roles of standards and layered models.
3. Explain the differences between analog and digital formats including signal modulation formats and flow control.
4. Describe the architecture and the protocols supporting data networks of local through wide area types for both wired and wireless technologies.
5. Present the need and the methods for securing access to networks.
6. Discuss purposes and implications of network design and management.
7. Engage students in understanding the business and technical implications of emerging topics.

B. Student Learning Outcomes. Students will be able to:	Assessment Method
1. Evaluate technical requirements of telecommunications networks and be able to justify them based upon business requirements.	Exams Quizzes
2. Identify the need for communications protocols and identify standards and network layers where the protocols operate.	Lab assignments
3. Explain why and where analog and digital formats are used in existing communications systems.	Exams Quizzes
4. Describe the architecture and the protocols supporting data networks of local through wide area types, including both wired and wireless technologies. Be able to install, configure, and debug a small local area network.	Exams Quizzes Lab assignments
5. Identify the security needs of an organization and suggest the means for securing access to networks.	Exams Quizzes
6. Design a small local area network and be able to justify the architectural and technology choices.	Exams Quizzes

VII. Suggested Text

Agrawal, M. (2011). *Business data communications*, Hoboken, NJ: John Wiley and Sons, Inc.

VIII. Bibliography

FitzGerald, J. & Dennis, A. (2012). *Business data communications and networking* (11th ed.). Hoboken, NJ: John Wiley and Sons, Inc.

Pintello, T. (2013). *Introduction to networking with Network+*. Hoboken, NJ: John Wiley and Sons, Inc.

Stallings, W. & Case, T. (2013). *Business data communications- infrastructure, networking and security* (7th ed.). Upper Saddle River, NJ: Prentice Hall.

White, C. (2013). *Data communications and computer networks: A business user's approach*. Stamford, CT: Cengage Learning.



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

1a. School or College CB CBPP		1b. Division ADBP Division of Business Programs		1c. Department CIS	
2. Course Prefix CIS	3. Course Number A365	4. Previous Course Prefix & Number N/A	5a. Credits/CEUs 3	5b. Contact Hours (Lecture + Lab) (3+0)	
6. Complete Course Title Object-Oriented Programming <small>Abbreviated Title for Transcript (30 character)</small>					
7. Type of Course <input checked="" type="checkbox"/> Academic <input type="checkbox"/> Preparatory/Development <input type="checkbox"/> Non-credit <input type="checkbox"/> CEU <input type="checkbox"/> Professional Development					
8. Type of Action: <input type="checkbox"/> Add or <input checked="" type="checkbox"/> Change or <input type="checkbox"/> Delete <small>If a change, mark appropriate boxes:</small> <input type="checkbox"/> Prefix <input type="checkbox"/> Course Number <input type="checkbox"/> Credits <input 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 type="checkbox"/> Course Description <input checked="" type="checkbox"/> Course Prerequisites <input type="checkbox"/> Test Score Prerequisites <input type="checkbox"/> Co-requisites <input type="checkbox"/> Automatic Restrictions <input type="checkbox"/> Registration Restrictions <input type="checkbox"/> Class <input type="checkbox"/> Level <input type="checkbox"/> General Education Requirement <input type="checkbox"/> College <input type="checkbox"/> Major <input checked="" type="checkbox"/> Other Update CCG (please specify)			9. Repeat Status No # of Repeats Max Credits 10. Grading Basis <input checked="" type="checkbox"/> A-F <input type="checkbox"/> P/NP <input type="checkbox"/> NG 11. Implementation Date semester/year From: Fall/2015 To: /9999 12. <input type="checkbox"/> Cross Listed with _____ <input type="checkbox"/> Stacked with _____ Cross-Listed Coordination Signature		
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 .					
<i>Impacted Program/Course</i>		<i>Date of Coordination</i>		<i>Chair/Coordinator Contacted</i>	
1. Management Information Systems, BBA		01/17/2014		Minnie Yen	
2. Management Information Systems, Minor		01/17/2014		Minnie Yen	
3. CIS A489		01/17/2014		Minnie Yen	
Initiator Name (typed): <u>Yoshito Kanamori</u> Initiator Signed Initials: _____ Date: _____					
13b. Coordination Email Date: <u>02/07/2014</u> submitted to Faculty Listserv: (uaa-faculty@lists.uaa.alaska.edu)			13c. Coordination with Library Liaison Date: <u>02/07/2014</u>		
14. General Education Requirement <input type="checkbox"/> Oral Communication <input type="checkbox"/> Written Communication <input type="checkbox"/> Quantitative Skills <input type="checkbox"/> Humanities Mark appropriate box: <input type="checkbox"/> Fine Arts <input type="checkbox"/> Social Sciences <input type="checkbox"/> Natural Sciences <input type="checkbox"/> Integrative Capstone					
15. Course Description (<i>suggested length 20 to 50 words</i>) Covers basic concepts of Object-Oriented (OO) programming languages. Some of the recent relevant developments and applications will be discussed. The OO programming languages such as C++ or Java will be used as a vehicle for illustrating the concepts discussed in the course. OO programming design and programming development patterns will be covered. Students will analyze and solve business problems and practice writing programs for business applications using a chosen programming language.					
16a. Course Prerequisite(s) (<i>list prefix and number or test code and score</i>) CIS A361 with a minimum grade of C		16b. Co-requisite(s) (<i>concurrent enrollment required</i>) N/A			
16c. Automatic Restriction(s) <input type="checkbox"/> College <input type="checkbox"/> Major <input type="checkbox"/> Class <input type="checkbox"/> Level		16d. Registration Restriction(s) (<i>non-codable</i>) College of Business and Public Policy majors must be admitted to upper-division standing.			
17. <input type="checkbox"/> Mark if course has fees Standard CBPP computer lab fee		18. <input type="checkbox"/> Mark if course is a selected topic course			
19. Justification for Action Changed prerequisite and update textbooks and bibliography.					

<div><div><input type="checkbox"/> Approved</div><div><input type="checkbox"/> Disapproved</div></div>		<div><div><input type="checkbox"/> Approved</div><div><input type="checkbox"/> Disapproved</div></div>	
<div><div>Initiator (faculty only)</div><div>Yoshito Kanamori</div><div>Initiator (TYPE NAME)</div></div>		<div><div>Dean/Director of School/College</div><div>Date</div></div>	
<div><div><input type="checkbox"/> Approved</div><div><input type="checkbox"/> Disapproved</div></div>		<div><div><input type="checkbox"/> Approved</div><div><input type="checkbox"/> Disapproved</div></div>	
<div><div>Department Chair</div><div>Date</div></div>		<div><div>Undergraduate/Graduate Academic Board Chair</div><div>Date</div></div>	
<div><div><input type="checkbox"/> Approved</div><div><input type="checkbox"/> Disapproved</div></div>		<div><div><input type="checkbox"/> Approved</div><div><input type="checkbox"/> Disapproved</div></div>	
<div><div>College/School Curriculum Committee Chair</div><div>Date</div></div>		<div><div>Provost or Designee</div><div>Date</div></div>	

COURSE CONTENT GUIDE
UNIVERSITY OF ALASKA ANCHORAGE
COLLEGE OF BUSINESS AND PUBLIC POLICY

I. Date Initiated January 17, 2014

II. Course Information

College/School: College of Business and Public Policy
Department: Computer Information Systems
Program: Bachelor of Business Administration, Management Information Systems; Minor, Computer Information Systems
Course Title: Object-Oriented Programming
Course Number: CIS A365
Credits: 3
Contact Hours: 3 per week x 15 weeks = 45 hours
0 lab hours
6 hours outside of class per week x 15 weeks = 90 hours
Grading Basis: A-F

Course Description:

Covers basic concepts of Object-Oriented (OO) programming languages. Some of the recent relevant developments and applications will be discussed. The OO programming languages such as C++ or Java will be used as a vehicle for illustrating the concepts discussed in the course. OO programming design and programming development patterns will be covered. Students will analyze and solve business problems and practice writing programs for business applications using a chosen OO programming language.

Course Prerequisites: CIS A361 with a minimum grade of C

Registration Restrictions: College of Business and Public Policy majors must be admitted to upper-division standing.

Fees: Standard CBPP computer lab fee

III. Course Activities

- A. Lectures
- B. Discussions
- C. Programming analysis exercises

IV. Course Level Justification

Course requires CIS A361 as a prerequisite. CIS A365 is a MIS major elective course that provides more depth than basic programming principles.

V. Outline

- A. The Object-Oriented Paradigm
 - 1. Introduction
 - 2. Processing Modeling and the Unified Modeling Language (UML)
 - 3. OO program design patterns
- B. Designing Object-Oriented Applications to Solve Organizational Problems
- C. Developing Object-Oriented Applications in OO Programming Language
 - 1. Designing classes
 - 2. Using I/O streams
 - 3. Structured elements
 - 4. Arrays
 - 5. Strings
 - 6. Overloading
 - 7. Inheritance and polymorphism
- D. Exploring Development Environment Available for OO Programming Languages
- E. Object-Oriented Program Development in a Client/Server Environment with Database Connectivity

VI. Instructional Goals and Student Learning Outcomes

A. Instructional Goals. The instructor will:
1. Explain the concepts of analysis, design and implementation for OO programs.
2. Provide additional in-depth information on new developments in the field of OO programming.
3. Provide an introduction to OO programming techniques and their development environment.
4. Demonstrate OO program development with database connectivity in a client/server environment.
5. Explain basic design patterns in OO programming by using the chosen OO programming language.
6. Guide students in individual projects and team projects that require the application of advanced business analysis tools to develop and test computer application programs to solve business problems.

B. Student Learning Outcomes. Students will be able to:	Assessment Method
1. Articulate basic issues involved in object-oriented systems.	Homework In-class activities Quizzes Programs Final Project
2. Develop an object-oriented model for a business system of medium complexity.	Homework In-class activities Quizzes Programs Final Project
3. Build working object-oriented programs in an OO programming language.	Homework In-class activities Quizzes Programs Final Project
4. Develop OO programs connected with database in a client/server environment.	Homework In-class activities Quizzes Programs Final Project
5. Demonstrate understanding of basic design patterns used in OO programming.	Homework In-class activities Quizzes Programs Final Project

VII. Suggested Text

Dietel, P. & Dietel, H. (2011). *JAVA: How to program* (9th ed.). Upper Saddle River, NJ: Prentice Hall.

VIII. Bibliography

Clark, D. (2013). *Beginning C# Object-Oriented Programming* (2nd ed.). New York, NY: Apress.

Murach, J. (2011). *Murach's Java programming* (4th ed.). Fresno, CA: Mike Murach & Associates.

Sarang, P. (2012). *Java programming* (Oracle Press). New York, NY: McGraw-Hill Osborne Media.

Schildt, H. (2011). *Java: The complete reference* (8th ed.). New York, NY: McGraw-Hill Osborne Media.

Troelsen, A. (2012). *Pro C# 5.0 and the .NET 4.5 Framework* (6th ed.). New York, NY: Apress.



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

1a. School or College CB CBPP		1b. Division ADBP Division of Business Programs		1c. Department CIS													
2. Course Prefix CIS	3. Course Number A390	4. Previous Course Prefix & Number N/A	5a. Credits/CEUs 1-6	5b. Contact Hours (Lecture + Lab) (1-6+0)													
6. Complete Course Title Selected Topics in Management Information Systems Selected Topics in MIS <small>Abbreviated Title for Transcript (30 character)</small>																	
7. Type of Course <input checked="" type="checkbox"/> Academic <input type="checkbox"/> Preparatory/Development <input type="checkbox"/> Non-credit <input type="checkbox"/> CEU <input type="checkbox"/> Professional Development																	
8. Type of Action: <input type="checkbox"/> Add or <input checked="" type="checkbox"/> Change or <input type="checkbox"/> Delete <i>If a change, mark appropriate boxes:</i> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Prefix <input type="checkbox"/> Credits <input type="checkbox"/> Title <input type="checkbox"/> Grading Basis <input checked="" type="checkbox"/> Course Description <input type="checkbox"/> Test Score Prerequisites <input type="checkbox"/> Automatic Restrictions <div style="display: flex; font-size: small;"> <input type="checkbox"/> Class <input type="checkbox"/> Level <input type="checkbox"/> College <input type="checkbox"/> Major </div> <input checked="" type="checkbox"/> Other Update CCG (please specify) </div> <div style="width: 50%;"> <input type="checkbox"/> Course Number <input type="checkbox"/> Contact Hours <input type="checkbox"/> Repeat Status <input type="checkbox"/> Cross-Listed/Stacked <input checked="" type="checkbox"/> Course Prerequisites <input type="checkbox"/> Co-requisites <input type="checkbox"/> Registration Restrictions <input type="checkbox"/> General Education Requirement </div> </div>			9. Repeat Status Yes # of Repeats Max Credits 9														
			10. Grading Basis <input checked="" type="checkbox"/> A-F <input type="checkbox"/> P/NP <input type="checkbox"/> NG														
			11. Implementation Date semester/year From: Fall/2015 To: /9999														
			12. <input type="checkbox"/> Cross Listed with _____ <input type="checkbox"/> Stacked with _____ <div style="text-align: right; font-size: small;">Cross-Listed Coordination Signature</div>														
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 . <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width:40%;">Impacted Program/Course</th> <th style="width:20%;">Date of Coordination</th> <th style="width:40%;">Chair/Coordinator Contacted</th> </tr> </thead> <tbody> <tr> <td>1. Management Information Systems, BBA</td> <td>10/17/2013</td> <td>Minnie Yen</td> </tr> <tr> <td>2. Management Information Systems, Minor</td> <td>10/17/2013</td> <td>Minnie Yen</td> </tr> <tr> <td>3.</td> <td></td> <td></td> </tr> </tbody> </table>						Impacted Program/Course	Date of Coordination	Chair/Coordinator Contacted	1. Management Information Systems, BBA	10/17/2013	Minnie Yen	2. Management Information Systems, Minor	10/17/2013	Minnie Yen	3.		
Impacted Program/Course	Date of Coordination	Chair/Coordinator Contacted															
1. Management Information Systems, BBA	10/17/2013	Minnie Yen															
2. Management Information Systems, Minor	10/17/2013	Minnie Yen															
3.																	
Initiator Name (typed): <u>Yoshito Kanamori</u> 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 <input type="checkbox"/> Oral Communication <input type="checkbox"/> Written Communication <input type="checkbox"/> Quantitative Skills <input type="checkbox"/> Humanities Mark appropriate box: <input type="checkbox"/> Fine Arts <input type="checkbox"/> Social Sciences <input type="checkbox"/> Natural Sciences <input type="checkbox"/> Integrative Capstone																	
15. Course Description (<i>suggested length 20 to 50 words</i>) Study of specific current issues, techniques, and trends in Management Information Systems (MIS) Special note: May be repeated with change of subtitle/topic. Maximum of 9 elective credits may be used for the BBA MIS degree. Prerequisites vary with topic. Check course schedule for specific titles being offered.																	
16a. Course Prerequisite(s) (<i>list prefix and number or test code and score</i>) N/A			16b. Co-requisite(s) (<i>concurrent enrollment required</i>) N/A														
16c. Automatic Restriction(s) <input type="checkbox"/> College <input type="checkbox"/> Major <input type="checkbox"/> Class <input type="checkbox"/> Level			16d. Registration Restriction(s) (<i>non-codable</i>) College of Business and Public Policy majors must be admitted to upper-division standing.														
17. <input type="checkbox"/> Mark if course has fees Standard CBPP computer lab fee			18. <input checked="" type="checkbox"/> Mark if course is a selected topic course														
19. Justification for Action Changed prerequisite. Updated textbooks and bibliography.																	
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved </div> <div style="width: 45%;"> <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> Initiator (faculty only) <u>Yoshito Kanamori</u> Initiator (TYPE NAME) Department Chair College/School Curriculum Committee Chair </div> <div style="width: 45%;"> Dean/Director of School/College Undergraduate/Graduate Academic Board Chair Provost or Designee </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> Date Date Date Date </div> <div style="width: 45%;"> Date Date Date Date </div> </div>																	

COURSE CONTENT GUIDE
UNIVERSITY OF ALASKA ANCHORAGE
COLLEGE OF BUSINESS AND PUBLIC POLICY

I. Date Initiated January 17, 2014

II. Course Information

College/School: College of Business and Public Policy
Department: Computer Information Systems
Program: Bachelor of Business Administration in
Management Information Systems
Course Title: Selected Topics in Management Information Systems
Course Number: CIS A390
Credits: 1-6
Contact Hours: 1 hour per week x 15 weeks = 15 hours for each lecture
hour
0 lab hours
4 hours outside of class per week x 15 for each lecture hour
Grading Basis: A-F
Course Description:
Study of specific current issues, techniques, and trends in Management
Information Systems (MIS)
Special note: May be repeated with change of subtitle/topic. Maximum of 9
elective credits may be used for the BBA MIS degree. Prerequisites vary with
topic. Check course schedule for specific titles being offered.
Course Prerequisites: N/A
Registration Restrictions: College of Business and Public Policy majors must be
admitted to upper-division standing.
Fees: Standard CBPP computer lab fee

III. Course Activities

- A. Lectures
- B. Discussions
- C. Guest speakers
- D. In-class exercises
- E. Analysis of case studies
- F. Simulations

IV. Course Level Justification

The course requires prerequisites that may vary with topic and the student is expected to have appropriate background in problem solving techniques related to business environment.

V. Course Outline

Course outline varies with topics.

Example from previously taught course (Information Security Assurance)

- A. Introduction to Information Security
- B. The Need for Security
- C. Legal, Ethical, and Professional Issues in Information Security
- D. Security Analysis
- E. Planning for Continuity
- F. Security Technology
- G. Physical Security
- H. Implementing Security
- I. Information Security Maintenance

VI. Suggested Texts

Vary according to topic.

Example from previously taught course (Information Security Assurance)

Whitman, M. E., & Mattord, H. J. (2011). *Principles of information security* (4th ed.). Stamford, CT: Cengage Learning.

VII. Bibliography

Vary according to topic.

Example from previously taught course (Information Security Assurance)

Boyle, R. J., & Panko, R. (2012). *Corporate Computer Security* (3rd ed.). Upper Saddle River, NJ: Prentice Hall.

Stallings, W., & Brown, L. (2008). *Computer security: Principles and practice*. Upper Saddle River, NJ: Prentice Hall.

Vacca, J. R. (2013). *Computer and information security handbook* (2nd ed.). New York, NY: McGraw-Hill Osborne Media.

VIII. Instructional Goals and Student Learning Outcomes

Vary according to topic.

Example from previously taught course (Information Security Assurance)

A. Instructional Goals. The instructor will:
1. Demonstrate the integration of security, software, people, data, and telecommunications components in Information Systems (IS).
2. Engage students in classroom debates on the implications of emerging global threats to IS data.
3. Empower students to be able to perform customer investigation of security faults and protection of IS resources.

4. Guide students in developing analysis and database tools to support quantitative decision making related to security risk assessment and use of forensic tools to solve security problems.
5. Challenge students in identifying societal and business implications of information systems security risks and protection policies.

B. Student Learning Outcomes. Students will be able to:	Assessment Method
1. Apply the ethical legislative and regulatory issues of information security, as well as the role of public policy in shaping a global digital economy.	Homework Quizzes Exams
2. Investigate the role of computer forensics.	Homework Exams
3. Create suitable information assurance policies for a variety of systems.	Homework
4. Explain the basic theories, principles and concepts of computer security.	Homework Quizzes Exams
5. Analyze Information Security practices across a variety of business environments.	Homework Quizzes
6. Describe the issues and tasks surrounding the implementation and operation of an Information Assurance program.	Homework Quizzes
7. Define various information security processes and discuss their tangible and intangible benefits.	Homework Quizzes Exams
8. Describe the various security technologies including: firewalls, dial-up protection, access control.	Homework Quizzes Exams
9. Describe the various concepts of cryptography including types of ciphers, cryptographic algorithms.	In-class activities Quizzes Exams
10. Describe and design physical security measures.	Homework Exams
11. Develop an Information Assurance plan.	Project



Enrollment Services
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Data: September 4, 2014

To: Faculty Senate Executive Board
Cc: Bear Baker, Provost
Bruce Schultz, Vice Chancellor for Student Affairs
Eric Pedersen, Associate Vice Chancellor for Enrollment Services

From: Lora Volden, University Registrar 
Susan Kalina, Associate Vice Provost for Undergraduate Academic Affairs 

Re: General University Requirement related to catalog year

Students may elect to graduate under the requirements of the catalog in effect at time of formal acceptance to a certificate or degree program or the catalog in effect at the time of graduation. (General University Requirement)

Issue:

In concurrence with best practice, the faculty at UAA engage in ongoing program improvements, including actively updating their curriculum in response to changes in their disciplines, results of their assessment processes, revised accreditation guidelines, and other factors. This is to be commended; however it calls into question the efficacy of the current policy related to a student's catalog year, quoted above.

Because students may choose only between the requirements at the time of declaring their major, i.e. the oldest set possible for them to choose or the requirements active at the time of graduation, i.e. the newest set, there are a whole set of issues that come about. Students who wish to utilize degree requirements that become effective after the student has been admitted find themselves unable to pick a catalog year or set of degree requirements that may fall somewhere in the middle of their time at UAA. Because students are given a new catalog year whenever they are formally admitted to a major, the current workaround for students is to "change their major" to something else (i.e. undeclared) and then change back to their original major- thereby putting themselves in the current catalog year. The other option is that the department and advisors submit numerous petitions to substitute current courses for previous degree requirements. This process is frustrating to students, staff, and faculty at minimum and creates an enormous amount of academic petitions and change of major forms.

Proposal

With the addition of DegreeWorks it is not difficult to perform audits and to advise students for any active catalog. Additionally DegreeWorks can be altered to reflect the student's chosen catalog year so that an accurate audit is reflected without the need to use "what if". Our proposal is to allow students to pick any catalog year within their five or seven year window for completion.

Proposed Catalog Change

Students may elect to graduate under the degree/certificate requirements of any catalog which was active during their completion period (5 years certificate/associate; 7 years baccalaureate/graduate). (General University Requirement)

MEMO:

TO: Lora Volden, UAA Registrar

FROM: Karl Pfeiffer, CAS Course and Curriculum Committee Chair

RE: JPC contact hour catalogue edits for

JPC A201, JPC A203, JPC A204, JPC A211, JPC A212, JPC A213, JPC
A342, JPC A343, JPC A343, JPC A344, JPC A345, JPC A368, JPC A369,
JPC A384, JPC A385, JPC A442, JPC A445, JPC A483,

DATE: October 8, 2014

CC: Patricia Linton, Francisco Miranda, Joy Mapaye

*Approved on behalf of
the College of Arts & Sciences
Patricia Linton
Associate Dean*

The CAS Course and Curriculum Committee met this afternoon to review the above noted courses for the purpose of correcting inconsistencies regarding contact hours. A recent audit of the proposed Spring 2015 course schedule, provided to the College of Arts & Sciences by the Registrar's office and Academic Affairs, identified a number of JPC courses in which the scheduled contact hours do not match the approved contact hours in the CCGs on file in the Curriculum Office. It appears that for a number of years these courses have been taught in a manner that does not conform to the CCG (i.e. increased lecture and decreased lab time). Faculty in the Department of Journalism & Communication have reviewed all of their curriculum to determine which courses require an update of the CCGs to reflect the way courses are currently taught or alternatively alteration of the Spring 2015 schedule to reflect the correct contact time.

The Journalism & Public Communication degree is an externally accredited program. Changes in the way courses are delivered conform to the expectations of disciplinary accreditation.

JPC is currently conducting a full review of their course content which they expect to bring to UAB during this academic year; however, the contact hour problem is more urgent, since the Spring 2015 schedule must be corrected. The CAS Course & Curriculum Committee approved the contact hour changes as proposed, and only those changes, without additional review and revision of course content. The department and the committee request that UAB accept the contact hour corrections, with the provision that the curriculum will be brought forward for full review during this year, in order to expedite the more urgent corrections to the schedule.

Faculty Alliance

Motion 2014-01

Statewide Minimum Admissions Standards for Baccalaureate Programs

MOTION: Faculty Alliance approves the following motion and minimum standards for admission into baccalaureate degree programs for consideration by each university in the University of Alaska system. Faculty Senate presidents shall present it to their faculty senates for consideration and approval at the next regularly scheduled senate meeting.

Rationale: Faculty Alliance recognizes these are minimum standards and that individual programs and institutions may set baccalaureate admission standards higher than the minimums. Further, the establishment of minimum admissions standards should not prevent individual programs and institutions from establishing policies that allow for individual exceptions or admission on probationary basis.

Registrars at each university in the University of Alaska System will need to redirect students who do not meet the minimum standard for baccalaureate programs to pre-baccalaureate options and support programs, or appeals processes, where they exist. Each university will also need to assess and advise these students and provide academic support to help them identify and attain their educational goals. Each university will use best practices and the characteristics of their student body to tailor programs to needs of students who enroll but do not meet the minimum standards for admission into baccalaureate degree programs.

PROPOSED MOTION FOR APPROVAL BY THE FACULTY SENATES:

The _____ Faculty Senate approves the proposed UA common minimum baccalaureate admission standards for first-time, first-year students and transfer students with fewer than 30 college-level credits. This motion does not alter the admissions process for international students, homeschool students who did not complete a state-recognized program, or students who transfer 30 or more college-level credits from other institutions.

Option 1: have a high school diploma, pass either the 16-credit math & science or social studies & language high school core curriculum required for the Alaska Performance Scholarship with a GPA of at least 2.5, and have a cumulative GPA of 3.0. No minimum ACT or SAT score is required, OR

Option 2: have a high school diploma, have a cumulative high school GPA of 2.0, and submit results of the ACT with a minimum score of 18 or SAT with a minimum score of 1290 or approved scores necessary for placement into GER-level English and mathematics courses on approved placement test(s), OR

Option 3: have a high school diploma or GED and submit ACT, SAT, or approved placement test scores necessary for placement into GER-level ENGL and MATH or successfully complete college coursework necessary for placement into GER-level English and mathematics courses.

These standards, procedures, and support programs shall be implemented by fall 2016.

Voted (via e-mail) on October 20, 2014

Voting members' results as attested by LaNora Tolman, Executive Officer, System Governance:

Yes: 8

No: 0

Abstain: 0

Absent: 1



October 20, 2014

David Valentine, Chair

Date

For action by the President of the University of Alaska

Approved: _____ Date: _____

Modified: _____ Date: _____

Disapproved: _____ Date: _____

Comments: