ACADEMIC SENATE MEETING

Friday, Nov 14, 2014

Ka’a’ike 105

1:30-3:00 PM

Minutes

**Call to order: 1:34**

**In Attendance: D. Nahoolewa, B. Guerrero, N. Johnson, A. Scharnhorst, M. Ward, K. Kory-Smith, M. Yoshida, N Ooki, D Cohen, A Amiraslani, T Evangelista, T Hussey, J Powers. M Takamoto, G Moriyama, J Park, A Mehta, E Dubuit, S Irwin, R Daniels, C Rutherford, S Low, D Harbin, K Acks, E White, R St. John, C Shirota, J Patao, S Bowe, E Brown, L Stein, E Yamashita, C Foreman, R Gonzalez, R tasaka, T Marmack, M Kirkendall, K Raymond, K Cook, D Kruse, D Louie, D Reece, J Owen, A Coopersmith, B Rai, S Clader**

I. Minutes from 10/10/14 & (See attached pages 1-2; Mahalo Dale Naho’olewa)

II. Standing & Ad Hoc Committee Reports- Consent Agenda

* Distance learning ad hoc committee: Deanna Reece
* Policies and Procedures committee: –Kealani C., Kristine K-S
* Inspired Teaching Committee (ITC): Joyce Yamada, Juli P – see page 4
* Assessment: Jan Moore, Eric Engh
* Budget and long-range planning committee: Refugio Gonzales, Elaine – on agenda;
* Safety: Ryan Daniels –no report
* Elections: Ryan Daniels –no report
* Curriculum: Tim Marmack& Kahele Dukelow -agenda see pages 4-14
  + Cyber security-Debasis
    - Unanimous voice vote
  + Math courses
    - Math 100 CULN: Math for Culinary Arts
      * Unanimous Voice Vote
    - Math 107c QM Quantitative Methods for Automotive Tech
      * Unanimous Voice Vote
    - ECET/ET Math pathways changed
      * Math 119 added
      * Math 107 and 219 deleted
      * All Changes Unanimous
  + ECET Program Map
    - Revision of CA from 22 to 26 credits, addition of 11
      * Unanimous Voice Vote
    - Math and Cyber-security approved earlier
  + ENGT Program Map
    - Unanimous Voice Vote
  + Hist Modifications
    - Unanimous Voice Vote
    - Correct Contemporary Wld hist to Contemporary World History
  + Eng 316
    - Unanimous Voice Vote
* UHCC Policy subcommittee – Elaine Yamashita – no report

III. Committee Reports

* Curriculum – Tim (see p 4-13)
* SPC - Elaine & Laura
* Budget Process & Timeline - Refugio

IV. Student Success Initiatives

* Student Success – Faculty Participation

V. Discussion Items

* Ebola preparedness - Denise
* AtP Digital Media – Dan
* MoA on tenure and promotion- Senates & UHPA – see pp. 14-16

VI. Old Business

* Status of Committees – Distance to standing, Sustainable to ad hoc, Strategic Planning – to P&P, Academic Renewal
* Space Allocations on Campus – Div Chairs update

VII. Announcements

* Student Government – Faculty Sponsor Children for 12/11 Christmas Party - Cynthia

VIII. Next Meeting – December 12, 2014 1:30-3:00 Kaaike 105

ACADEMIC SENATE MEETING

Friday, Oct 10, 2014

Ka’a’ike 105

3:00-4:30 PM

Minutes

Present: Ann Coopersmith, Tim Marmack, Ron St. John, Tim Botkin, Morgan Andaluz, Derek Snyder, Sandy Low, Lorelle Peros, Rosie Vierra, Anne Scharnhorst, Liping Liu, Laura Lees Nagle, Buddhi Rai, Molli Fleming, Jennifer Owen, Daniel Kruse, Sean Calder, Anil Menta, Linda Fujitani Eri Nomura, Donna Harbin, Samantha Bowe, Joyce Yamada, Catherine Thompson, Kate Acks, Erica Brown, Michael Takamoto, Nancy OOki, Amir Amiraslani, Kristine Korrey-Smth, Flora Mora, Angela Gannon, Damien Cie, Denise Cohen, Teri Evangelista, Rose Perreira, Nancy Johnson, Thomas Hussey, Caral Tetith-Zbiciak,

I. Ice Cream in Lobby

II. Minutes from 10/10/2014

* Call to order: 3:30pm
* Add Denise Cohen to 09/12/14 attendee list
* Minutes from 09/12/14 approved

III. Standing & Ad Hoc Committee Reports- Consent Agenda

* Distance learning ad hoc committee: Deanna Reece
* Policies and Procedures committee: –Kealani C., Kristine K-S
* Inspired Teaching Committee (ITC): Joyce Yamada, Juli P – see p 3
* Assessment: Jan Moore, Eric Engh – CASLO on agenda
* Budget and long-range planning committee: Refugio Gonzales, Elaine – on agenda;
* Safety: Ryan Daniels –no report
* Elections: Ryan Daniels –no report
* Curriculum: Tim Marmack& Kahele Dukelow -agenda
* UHCC Policy subcommittee – Elaine Yamashita – no report

IV. Committee Reports

* Budget – Refugio
  + Ann presents Reviewed Recommended Positions and Expenditures
    - Ann: Budget committee’s role to advise & make recommendations.
    - Kate: Admin. Proposal & Final Joint Proposal appears tightly coupled.
    - Ann: Budget Committee used input from Strategic Planning committee
  + Ann presents D. Tamanaha proposed budget to Chancellor’s Executive committee
    - Shows 14 vacant positions: 10 approved for filling: 7 from GF, 3 from RTRF.
    - Christine: Starfish & TurnitIn software included in budget; Brainfuse not included.
    - Flora: Investigate funding Brainfuse via Tech Fee committee.
    - Flora: Need position impact statements to help with budget decision making.
    - Christine: Brainfuse critical to students.
    - Senate votes to accept this budget.
  + Programs & Depts should create budgets to capture their needs.
  + Dan: Raised topic of charging Lab Fee.
  + Ann: Recommends providing justification points for new positions.
  + Discussion on a process to fill vacant positions
    - Ann: Budget committee should be in a position to provide recommendation.
    - Ann: Budget committee needs to work out details of this process.
    - Derek: Administration should provide feedback / rationale when not taking Budget committee recommendation
* Curriculum - Tim
  + Nothing to report
  + Nov / Dec curriculum report
* CASLO – Quantitative Reasoning update
  + Postponed Information Literacy standard based on D. Kruse feedback
  + Working to integrate technology into the assessment
  + CASLO standards grid to be used for 1 year
  + Catherine: what were the old CASLO standards?
  + Eric: CASLO is a service
  + For more detail, visit Curriculum & CASLO pages on UHMC website

V. Student Success Initiatives

VI. Discussion Items

* SLO criteria in Tenure & Promotion
  + Ongoing discussion at other colleges that TPRC need to be trained.
* other
  + Should a former Chancellor continue as PI?
  + John Morton confirmed that Clyde has requested to remain as PI on certain grants.
  + However, the decision is up to the new Chancellor.

VII. Old Business

VIII. Announcements

* Maui United Way: visit website or pickup flyer in mail room; put in box 151???

IX. Adjourned 4:34pm

**ITC Report**

All UH Maui College Faculty and Staff are welcome to attend all Faculty & Staff Development Opportunities. Those participating in 10 or more ITC, Lunch & Learn, DL workshops, and New Faculty 101 in FY 2014-2015 will receive a UH Maui College Exemplary Participation in Life-long Learning Certificate.

Save the Date:

DL workshop - Teaching On HITS by Julie Powers, Deanna Reece, and Erica Brown, November 19, 2014, Wednesday, Ka Lama 102, 11-12 noon

New Faculty 101 - Contract Renewal Process by Kahele Dukelow and Laura Nagle, November 21, 2014, Friday, Ka Lama 102, 1:30-2:30 pm. Everyone welcome to attend!

All faculty and staff development resources can be found in Laulima, Inspired Teaching, Modules. For announcements of faculty development opportunities, please join Maui-announcements listserv

**ACADEMIC SENATE CURRICULUM PROPOSALS**

Friday, November 14, 2014

The Curriculum Committee proposes the following actions for discussion and approval by the Academic Senate.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1) | **2014.01** | **169 ICS Introduction to Information Security** | **NEW** | **D. BHATTACHARYA** |
|  |  | *Prereq: ICS 101 with grade C or better, or consent.*  Provides the basic foundation to information security, including identifying threats, planning for business continuity, and preparing for various security attacks. Focus will be given to threats to financial security such as attacks on banking and other related financial information. Special emphasis on ethics and legal issues that covers hacking and other cybersecurity techniques and tactics. 3cr., 3hr. lect.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 45, 126 or 127 | | |
| 2) | **2014.02** | **171 ICS Introduction to Computer Security** | **NEW** | **D. BHATTACHARYA** |
|  |  | *Prereq: ICS 169 and either ICS 184 or ETRO 140, both with grade C or better; or consent.*  Examines the essentials of computer security, including risk management, the use of encryption, activity monitoring, intrusion detection; and the creation and implementation of security policies and procedures to aid in security administration. 3cr., 3hr. lect.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 45, 126 or 127 | | |
| 3) | **2014.03** | **184 ICS Introduction to Networking** | **NEW** | **D. BHATTACHARYA** |
|  |  | *Prereq: ICS 101 with grade C or better, or consent.*  Provides the student with the knowledge and skills to manage, maintain, troubleshoot, install, operate and configure basic network infrastructure, as well as to describe networking technologies, basic design principles, and adhere to wiring standards and use testing tools. 3cr., 3hr. lect.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 45, 126 or 127 | | |
| 4) | **2014.04** | **281 ICS Ethical Hacking** | **NEW** | **D. BHATTACHARYA** |
|  |  | *Prereq: ICS 169 and either ICS 184 or ETRO 140, both with grade C or better, or consent.*  Studies the basic ethical hacking techniques also known as white hat hacking. It stresses the moral and legal issues about hacking and how these techniques can be used to defend against attacks as well as to perform authorized system security evaluation testing. 3cr., 3 hr. lect.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 45, 126 or127 | | |
| 5) | **2014.05** | **282 ICS Computer Forensics** | **NEW** | **D. BHATTACHARYA** |
|  |  | *Prereq: ICS 169 and either ICS 184 or ETRO 140, both with grade C or better, or consent.*  Studies the basic computer forensics including operating system diagnostics, the use of forensic toolkits to examine and validate computer activity and techniques for the proper collection, examination and preservation of forensic evidence. 3cr., 3 hr. lect.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 45, 126 or 127 | | |
| 6) | **2014.06** | **Certificate of Competence (CO) in Cybersecurity** | **NEW** | **D. BHATTACHARYA** |
|  |  | **Certificate of Competence (CO) in Cybersecurity – Admission Process**  Admission requires the following steps: 1) Complete the COMPASS Math and English placement tests. 2) Schedule an application review counseling session to create an academic plan of study by contacting the program coordinator Mark Hoffman [(markhoff@hawaii.edu,](mailto:(markhoff@hawaii.edu) 984-3321) or the program counselor Kulamanu Ishihara [(vorhies@hawaii.edu,](mailto:(vorhies@hawaii.edu) 984-3272).  **Requirements for Certificate of Competence (CO) in Cybersecurity: 18 credits**  Information & Computer Science 101 (3), 169 (3), 184 (3), 171 (3), 281 (3) and 282 (3)  **Admission into the Certificate of Competence (CO) in Cybersecurity**  1. The following boxes need to be checked in order for the student to be admitted to the CO in CyberSecurity. The CO is part of the ECET program:  • Prereq: ENG 22 with a grade C or better or placement at ENG 100, or consent;  • Prereq: MATH 82 with a grade C or better or placement at MATH 103, or consent;  • Prereq: ICS 101 with grade C or better, or consent;  Catalog Page: 10, 45, please see attached. | | |

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| 7) | **2014.11** | **100 CULN Math for the Culinary Arts** | | **NEW** | | **K. ACKS** | |
|  |  | *Prereq: MATH 22 with grade C or better or placement at least MATH 82, or consent.*  Introduces the quantitative methods, reasoning, and operations necessary to perform tasks and solve problems needed by culinary professionals.  The quantitative methods covered include computation measurement, ratio, proportion, and percent; conversions, recipe scaling, yield percent, and recipe costing; baker's percent and kitchen ratios; purchasing, and proportioning. Applications include interpretation and analysis of quantitative information needed in culinary situations. 3cr., 3 hr. lect.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 40, 41,105 | | | | | |
| 8) | **2014.10** | **107C QM Quantitative Methods in Automotive Technology** | | | **NEW** | | **K. ACKS** |
|  |  | *MATH 22 with a grade of C or better, and ENG 19 with grade C or better or COMPASS placement at least ENG 22; or consent.*  Applies the quantitative methods, reasoning, and applications necessary to perform tasks and solve problems encountered by automotive technologists.  The quantitative methods covered include computational operations; ratio, proportion, and percent; statistics and probability; and trigonometry.  Applications include major automotive systems such as engines, drive train, chassis, and suspension.  The course is designed for Automotive Technology degrees and certificates but does not satisfy the Foundation Symbolic Reasoning (FS) core requirement of an Associate in Arts degree. 3cr., 3hr. lect.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 35, 139 | | | | | |
| 9) | **2014.12** | **MATH 119 Engineering Precalculus** | | **NEW** | | **A. AMIRASLANI** | |
|  |  | *Prereq: MATH 103 with grade C or better, or placement at MATH 135, and consent.*  Studies linear, polynomial, rational, exponential, logarithmic, and trigonometric functions, matrices and determinants, polar coordinates, vectors, complex numbers, ratio and proportion, sequences and series and related topics. ***This course is specific to ECET students****.* 4 cr., 4hr. lect.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable  Catalog Page: 45, 109, 112(4), 113(2), 126, 131, 132, 133 | | | | | |
| 10) | **2014.52** | **MATH 107** | **DELETION** | | |  | |
|  |  | Replaced with MATH 119  Catalog Page: 45, 109, 112(4), 113(2), 126, 131, 132, 133 | | | | | |
| 11) | **2014.53** | **MATH 219** | **DELETION** | | |  | |
|  |  | Student will now take MATH 205  Catalog Page: 14, 15, 113(4), 114(3), 132, 138 | | | | | |
| 12) | **2014.57** | **ETRO 219** | **DELETION** | | |  | |
|  |  | Cross Listed w MATH 219  Catalog Page: 14, 15, 113(4), 114(3), 132, 138 |  | | |  | |
| 13)13) | **2014.50** | **ECET PROGRAM MAP**   * Addition of CO in Cyberspace * Revision of CA from 22 to 26 credits - Addition of ICS 111 * Change from Math 107 to Math 119   Catalog Page: 45 (Please see attached) | **MOD** | | |  | |
| 14114) | **2014.51** | **ENGT PROGRAM MAP -** Overall revision of course sequence   * ETRO 415 replaced with ETRO 315 * MATH 219 replaced with MATH 205 * ETRO 475 deleted * ENG 210 & PSY/COM 353 removed * HUM 400, COM 459 & PHIL 323 added   Catalog Page: 14, 15 (Please see attached) | **MOD** | | |  | |
| 15) | **2014.08** | **105 ETRO Circuit Analysis I** | **MOD** | | | **M. HOFFMAN** | |
|  |  | *Prereq: ENG 22 with grade C or better or placement at ENG 100, and MATH 103 with grade C or better or placement at MATH 135; or consent.*  Develops step-by-step problem solving methods and hands-on laboratory applications. Utilizes electronics measurement instrumentation and software for data analysis.  Studies fundamental topics including resistance, networks with DC voltage sources, and circuit analysis. Demonstrates Ohm's law, Kirchoff's laws, Thevenin's theorem, and maximum power theorems. 4 cr., 6hr. lect./lab.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 45, 112 | | | | | |
| 16) | **2014.24** | **140 ETRO Fundamentals of Computer Networking** | | **MOD** | | **A. MEHTA** | |
|  |  | *Prereq: ETRO 105 and MATH 119 with grade C or better, or consent.*  Introduces the OSI and TCP/IP models for network communication, discusses industry standards, commonly used network topologies, IPv4 and IPv6 addressing, routing and switching concepts, ACLs, DHCP, NAT; queuing models, network architecture design and troubleshooting; introduces wireless networking and Virtual-LANs, prepares students for the Cisco Certified Entry Networking Technician (CCENT) exam. 4 cr., 6hr. lect./lab.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 112 | | | | | |
| 17) | **2014.07** | **161 ETRO Intro Optics & Photonics** | | **MOD** | | **M. HOFFMAN** | |
|  |  | *Prereq: ENG 22 with grade C or better or placement at ENG 100, and MATH 103 with grade C or better or placement at MATH 135; or consent.*  Introduces the physics of light, geometric optics, lenses, and mirrors. Studies interference, diffraction, and polarization phenomena.  Applies theory to laser physics, optical imaging, and bio-photonics.  Provides lab experiments and projects to reinforce the theory. 3 cr., 4hr. lect./lab.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 45, 112 | | | | | |
| 18) | **2014.25** | **205 ETRO Digital Cmptr Tech II** | | **MOD** | | **M. HOFFMAN** | |
|  |  | *Prereq:**ETRO 201 and MATH 119 or 135(or higher), both with grade C or better; or consent.*  Introduces microprocessor technology.  Studies microprocessor architecture and programming. Investigates  addressing modes, stack operations, subroutines, input and output operations, microcomputer subsystems and interfacing. Designs, builds, analyzes, and troubleshoots oscillators, counter circuits, decoders,  display drivers, digital to analog and analog to digital convertors. Programs INTEL microprocessors using emulators and embedded systems. Calibrates and characterizes digital systems and specifications. 4 cr., 6hr. lect./lab.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 45, 113 | | | | | |
| 19) | **2014.26** | **210 ETRO Electronic Technology I** | | **MOD** | | **M. HOFFMAN** | |
|  |  | *Prereq: ETRO 105 and MATH 119 or 135 (or higher), both with grade C or better; or consent.*  Investigates amplifiers including audio, radio, and infrared sensing applications. Introduces topics including basic theory and operations of solid-state devices. Applies to diodes, bipolar transistors, field effect transistors, and Zener diodes. Studies electronic circuits performing rectifying and amplification. 3 cr., 4hr. lect./lab.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 45(2), 112 | | | | | |
| 20) | **2014.27** | **296 ETRO Special Projects in ECET** | | **MOD** | | **M. HOFFMAN** | |
|  |  | *Prereq: ETRO 140 and ETRO 201 and MATH 119 or 135 (or higher), all with grade C or better; or consent.*  Develops special topics in electronic and digital computer technology. Creates, designs, and builds an electronics and computer engineering technology capstone student project. Investigates required schematics, components, and devices for the project. Includes programming, testing, troubleshooting, and characterization. Demonstrates, explains, and presents project goals, milestones, and results. 3 cr., 4hr. lect./lab.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 45(2), 113 | | | | | |
| 21) | **2014.28** | **305 ETRO Engineering Computing** | | **MOD** | | **J. PARK** | |
|  |  | *Prereq:**ETRO 212 and ICS 111 both with grade C or better; or consent*  Studies computer programming to solve electronics and optical system problems. Uses software programming applications, technical databases, image processing, and other scientific and engineering software tools. Reinforces mathematical concepts useful in the study of engineering technology. Utilizes the capabilities of software such as MATLAB and its applications to visualize solutions to technical and engineering problems. Includes hands-on engineering computing examples to demonstrate programming skills.  4 cr., 6hr. lect./lab.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 14, 15, 113 | | | | | |
| 22) | **2014.47** | **310 ETRO Applied Robotics** | | **MOD** | | **J. PARK** | |
|  |  | *Pre-requisite: ETRO 212 and ICS 111 both with grade C or better; or consent. Co-requisite: ETRO 305*  Introduces robotics programming and includes robotic applications for multifunction part manipulation and motion with stepper and servo-motors. Studies topics related to robotic design including robotic vision, motion planning, sensing and sensors, actuators, navigation systems, mobility, and forward and inverse kinematics. Provides laboratory hands-on applications of concepts and theories. 3 cr., 4hr. lect./lab.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 113 | | | | | |
| 23) | **2014.29** | **315 ETRO Project Management** | | **NEW** | | **J. PARK** | |
|  |  | *Pre-requisite: ETRO 305 with grade C or better, or consent.*  Emphasizes organization, project requirements, risk mitigation, planning, problem solving, implementation, comparisons and budgeting. Overviews effective methods for interfacing individual outputs within larger projects. Utilizes project management software tools. Applies laboratory practices in the context of typical workplaces as related to Engineering Technology. Develops a career plan within potential project types, structures and funding opportunities in the Hawai`i workforce.  Supports specific applications to the Capstone Project. 3 cr., 4hr. lect./lab.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 14, 15, 114(2) | | | | | |
| 24) | **2014.49** | **320 ETRO Intermediate Optics** | | **MOD** | | **J. PARK** | |
|  |  | *Prereq: ETRO 161 and PHYS 219 both with grade C or better; or consent.*  Investigates fundamentals of geometrical and physical optics useful in the study of modern optical systems. Focuses on geometric and ray optics and introduces one-dimensional wave optics to describe and demonstrate the mechanisms and properties involved in optical systems. Exposes students to phenomena related to the field of optics, and offers examples of modern optical engineering. Prepares students at the intermediate level for understanding field of optics. 4 cr., 6hr. lect./lab.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 113 | | | | | |
| 25) | **2014.09** | **340 ETRO System Integration** | | **NEW** | | **D. NAHOOLEWA** | |
|  |  | *Pre-requisite: ETRO 140 and ICS 111, both with grade C or better; or ICS 352 with grade C or better; or consent.*  Provides hands-on experience with integrating information technologies (i.e. database, Web, computing, and visualization services) into systems that support scientific & engineering applications. 4 cr., 6hr. lect./lab.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 14, 15, 113 | | | | | |
| 26) | **2014.30** | **350 ETRO Power Systems** | | **MOD** | | **J. PARK** | |
|  |  | *Pre-requisite: ETRO 212 with grade C or better, or consent.*  Studies the basic principles of electromechanical energy conversion: single and three-phase circuits, transformers, three-phase induction and synchronous machine, DC machine, AC  including magnetic circuits, and poly-phase circuits. Demonstrates energy management systems and efficiency concepts from engineering technology. Studies power generation and transmission system. Utilizes computer programming and modeling. Includes laboratory exercises and inquiries. 3 cr., 4hr. lect./lab.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 14, 15, 113 | | | | | |
| 27) | **2014.31** | **ETRO 360 Signals & Systems** | | **MOD** | | **J. PARK** | |
|  |  | *Pre-requisite:**ETRO 305 and MATH 205 both with grade C or better; or consent.*  Studies signal and system classifications, operations on signals, time-domain analysis, impulse response and stability. Introduces frequency-domain response using Fourier series, Fourier transform, and  Laplace transform; discrete Fourier series and transform; and sampling. Develops the analytical tools and techniques needed for the design and analysis of discrete-time and continuous-time linear systems. Provides laboratory hands-on applications of concepts and theories.  4 cr., 6hr. lect./lab.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 14, 15, 113 | | | | | |
| 28) | **2014.32** | **ETRO 370 Optoelectronics** | | **MOD** | | **J. PARK** | |
|  |  | *Prereq:**ETRO 320 with grade C or better, or consent*  Studies light detection using photovoltaic and photoconductive detectors, and phototransistors. Studies light generation using light emitting diodes and laser diodes. Characterizes and troubleshoots optoelectronic devices such as: LEDs, laser diodes, photodiodes, phototransistors, photoresistors, avalanche photodiodes, quad cells, and linear displacement devices. Includes laboratory experiments and inquiry-based activities, and provides practical experiences of the technical workplace. 3 cr., 4hr. lect./lab.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 14, 15, 114 | | | | | |
| 29) | 2014.33 | **440 ETRO Remote Sensing** | | **MOD** | | **P. JUNG** | |
|  |  | *Prerequisite: ETRO 450 with grade C or better, or consent.*  Applies radiometric and photometric measurement concepts: propagation, irradiance, radiance, radiant intensity, luminance, radiant exittance. Calibrates and characterizes remote sensing data and data analysis techniques. Covers the interaction between electromagnetic radiation and matter. Investigates the effects of the atmosphere on light propagation and remote sensing experiments. Includes laboratory exercises and inquiries to build teamwork, presentation skills and practical experiencesof the technical workplace. Utilizes technologies and analysis techniques relevant to the Hawai`i high-tech industry. 4 cr., 6hr. lect./lab.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 114 | | | | | |
| 30) | **2014.34** | **450 ETRO Signal Processing** | | **MOD** | | **J. PARK** | |
|  |  | *Prereq: ETRO 360 with grade C or better, or consent.*  Introduces digital signal processing, discrete-time signals and systems, z-transform, linear shift-invariant systems, discrete Fourier transform (DFT) and fast Fourier transform (FFT) algorithms, and design of digital filters. Provides laboratory hands-on applications of concepts and theories. 4 cr., 6hr. lect./lab.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 14, 15(2), 114 | | | | | |
| 31) | **2014.35** | **460 ETRO Control Systems** | | **MOD** | | **J. PARK** | |
|  |  | *Prereq:**ETRO 450 with grade C or better, or consent.*  Focuses on the modeling of dynamic systems and circuits, dynamic response, basic properties of feedback, PID control, root-locus, and frequency response. Introduces state-space modeling and design method. Studies phenomena related to the field of control systems. Offers practical examples of modern electro-mechanical control systems. Provides laboratory hands-on applications of concepts and theories. 3 cr., 4hr. lect./lab.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 14, 15(2), 114 | | | | | |
| 32) | **2014.36** | **497 ETRO Capstone Project I** | | **MOD** | | **J. PARK** | |
|  |  | *Prereq****:*** *ETRO 315 with grade C or better, or consent.*  Utilizes and demonstrates the tools, skills, and understanding developed during the engineering technology program. Focuses on planning and development of an engineering project which includes project documentation, formal project report writing, oral defense of the project, and project demonstration. Includes analyzing, designing, prototyping, synthesizing, troubleshooting, and testing a device, subsystem or complete system to create a useful product or service. 3 cr., 3hr. lect.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 114 | | | | | |
| 33) | **2014.48** | **ETRO 498 Capstone Project II** | | **MOD** | | **J. PARK** | |
|  |  | *Prereq: ETRO 497 with grade C or better, or consent.*  Continues Capstone Project I, leading to completion of the project. Includes review of project definition and refining project plans. Continues development, testing, and evaluation. Requires a written formal report and oral presentation of the project. 3 cr., 3hr. lect.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 114 | | | | | |
| 34) | **2014.38** | **316 ENG Adv Research Writing** | | **MOD** | | **R. TASAKA** | |
|  |  | *Prereq:**ENG 209 or 210 or 225 with grade of C or better; or consent. Recommended: ENG 210 or 225 preferred.*  Provides advanced knowledge in planning, developing, organizing, and editing writing projects with clarity and precision.  Emphasizes critical thinking skills; social, ethical, and political argument; and the ability to write a variety of work, including research projects in specific fields of study, using appropriate documentation styles. 3 cr., 3hr. lect.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 117 | | | | | |
| 35) | **2014.16** | **151 HIST World History to 1500** | | **MOD** | | **K. COOK** | |
|  |  | *Prereq: ENG 22 with grade C or better, or placement at ENG 100; or consent.*  A global and historical survey focusing on human societies and cross-cultural interactions to 1500 CE.  3 cr., 3hr. lect.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 122 | | | | | |
| 36) | **2014.15** | **152 HIST World History Since 1500** | | **MOD** | | **K. COOK** | |
|  |  | *Prereq: ENG 22 with grade C or better, or placement at ENG 100; or consent.*  A global and historical survey focusing on human societies and cross-cultural interactions since 1500 CE. 3 cr., 3hr. lect.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 122 | | | | | |
| 37) | **2014.14** | **253 HIST Contemporary Wld Hist** | | **MOD** | | **K. COOK** | |
|  |  | *Prereq: ENG 22 with grade C or better, or placement at ENG 100; or consent. Recommended: HIST 152*  Examines the political, cultural, economic, and technological history of the world from the end of WWII to the present. 3 cr., 3hr. lect.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 122 | | | | | |
| 38) | **2014.13** | **284 HIST History of the Hawaiian Islands** | | **MOD** | | **K. COOK** | |
|  |  | *Prereq: ENG 22 with grade C or better, or placement at ENG 100; or consent.*  Surveys the history of the Hawaiian Islands from Polynesian chiefdoms to Hawaiian Kingdom to American territory and state. 3 cr., 3hr. lect.  Standard (Letter,Cr/NCr,Audit) - Not Repeatable - Catalog Page: 122 | | | | | |
| 39) | 2014.58 | **ETRO 415** | | **DELETION** | |  | |
|  |  | Changed to ETRO 315.  Catalog Page: 14, 15(2), 114 | |  | |  | |
| 40) | 2014.58 | **ETRO 475** | | **DELETION** | |  | |
|  |  | Merges with ETRO 440  Catalog Page: 14, 15(2), 114 | |  | |  | |

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| 44141) | 2014.60 | **NEW CASLO RATING SYSTEM - Effective Spring 2015.** | |  |  |
| **Revised: The CASLO grid ratings are as follows:**  **3 = Major skill development and evaluation:** Course work develops the skill or ability described in the outcome statement. Demonstration of proficiency factors significantly in the course grade.  **2 = Moderate skill development and evaluation:** Course work develops the skill or ability described in the outcome statement and it is evaluated, but demonstration of proficiency does not factor significantly in the course grade.  **1 = Minor skill development:** Course work develops this skill or ability, but it is not evaluated.  **0 = No significant skill development:** Course work does not develop this skill or ability. | | | **Old:**  The CASLO grid ratings are as follows:  **3** = Major Emphasis: The student is actively involved (uses, reinforces, applies, and evaluated) in the student learning outcomes.  The learner outcome is the focus of the class  **2** = Moderate Emphasis: The student uses, reinforces, applies and is evaluated by this learner outcome, but it is not the focus of the class  **1** = Minor Emphasis: The student is provided an opportunity to use, reinforce, and apply this learner outcome, but does not get evaluated on this learner outcome  **0** = No Emphasis: The student does not address this learner outcome | | |

**MEMORANDUM OF AGREEMENT**

**REGARDING THE ROLES OF THE UH PROFESSIONAL ASSEMBLY**

**AND THE UH FACULTY SENATES**

~~October 17~~~~th~~~~, 2014~~

**October 31, 2014**

**Preamble:** The purpose of this document is to outline the roles of the University of Hawaiʻi Professional Assembly and the University of Hawaiʻi Faculty Senates.

**1. General Statement Guiding UHPA-Faculty Senate Relations**

Members of the faculty should keep in mind that the UHPA and the faculty senates are agencies of the faculty that cooperate to provide the best ways to achieve the generally recognized professional and personal objectives of each member of the faculty. As can be seen from the statements of jurisdiction, UHPA is the agency through which members of the faculty can assure themselves of proper conditions of employment. The faculty senate is the organization through which the members of the faculty can develop educational programs of the highest quality possible and those aspects of their professional activities not covered by either the various aspects of the collective bargaining contract between UHPA and the University, or of the appropriate statutes.

**2. Tenure and Promotion Process**

Except as specified below, procedural matters involving tenure and promotions are to be handled by UHPA. Changes in the form or format of the tenure and promotion mechanism are the responsibility of UHPA.

At the universities, the criteria for promotion and tenure are drafted by academic departments, institutes, and other organizations within UH subject to provisions of the UHPA-UH contract. At the community colleges, the criteria for promotion and tenure are drafted in consultation with the community college faculty senates.

**3. Curricula, Courses, Graduation Requirements, and Such Academic Matters**

These will fall under the purview of the faculty senate.

**4. Salaries and Fringe Benefits**

UHPA will handle matters concerning these items.

**5. Administrative Structural Reorganizations and the University Budget and Strategic Planning**

Both UHPA and the appropriate faculty senate have a right to consider and comment upon proposed administrative structural reorganizations and proposed university budgets **and Strategic Planning**. The administration will consult with the faculty senate on proposed structural reorganizations.

**6. Student Relations**

The appropriate faculty senate will be responsible for actions under this heading, unless a problem arises between a member of the faculty and a student, involving union contract aspects of the status or activity of faculty members.

**7. Academic Standards**

The faculty senates will be responsible for developing appropriate standards as they pertain to professional ethics, requirements for admission of students to courses of study, and systems of grading student performance.

UHPA will be concerned with the application of the standards covering the above items to individual members of the faculty.

**8. Grievances and Faculty Complaints**

UHPA has the exclusive responsibility in all complaints and subsequent grievances dealing with wages, hours, and conditions of employment. UHPA and the faculty senates will work together to develop procedures for handling faculty complaints falling outside the scope of the statement above.

**9. Matters Not Covered by Agreement**

Should a matter not covered by this Agreement arise, representatives of UHPA and the appropriate faculty senate will meet to determine which agency shall have jurisdiction. **If necessary, joint task forces will be organized to address mutual interests.**

**10. Consultation**

Both agencies commit to open communication: when in doubt consult.

**Signatories**

***My Note: 1-Two former Faculty Senate Chairs at LCC and one former UHPA President from LCC recommended that ALL FS Chairs of the Community Colleges appear separately as noted below.***

***2-As for the order, I leave that up to you all; I put David first as he is our Chair then I alphabetized by first name, but whatever yʻall decide is fine as well.***

***3-I put ?? around Davidʻs name/title b/c I noticed that Ronʻs position did not note that he is the ACCFSC but rather the Manoa FS; So if we agree to consistency, then maybe eliminate David, the Convenor? What do you think?***

***4-Can we continue the practice of using the Hawaiian language diacritical marks as appropriate, even in the title of this university?***

David Lassner, President, University of Hawaiʻi System

JN Musto, Executive Director, University of Hawaiʻi Professional Assembly

David Duffy, President, University of Hawaiʻi Professional Assembly

Ron Bontekoe, Chair, Mānoa Faculty Senate

*??David Krupp, Convenor, Council of Faculty Senate Chairs of the Community Colleges??*

Kim Furumo, Chair, UH Hilo Faculty Congress

Stan Orr, Chair, UH West Oʻahu Faculty Senate

**David Krupp, Chair, Windward Community College Faculty Senate**

**Ann Emmsley, Chair, Maui College, Faculty Senate**

**Ann McKenna, Chair, Kauaʻi Community College, Faculty Senate**

**Erica Balbag-Derard, Chair, Honolulu Community College, Faculty Senate**

**Joel Peralto, Chair, Hawaiʻi Community College, Faculty Senate**

**Momi Kamahele, Chair, Leeward Community College, Faculty Senate**

**Veronica Ogata, Chair, Kapiʻolani Community College, Faculty Senate**