

## ICC Minutes for Tuesday, November 16, 2010

Nelson Hall East, Room 106

### Members Present:

Jeff Abell, Jodie Baker, Jená Burges, Mary Ann Creadon, Grace Dempsey, Elisabeth Harrington, Sonya Hildreth, Chris Hopper, Mary Kay, Cindy Moyer (Chair), Dale Oliver, Clint Rebik, John Reiss, Brandon Schwab, Sheila Steinberg, Ronnie Swartz, Eric Van Duzer, Beth Wilson

### Guests:

Saeed Mortazavi, Mark Rizzardi, Sharon Tuttle

### Scribe:

Grace Dempsey

Agenda Item	Action Taken
<b>1. Approval of Minutes</b>	<b>Approved</b> <i>Adjustments to the minutes of 11/2/2010:</i> <i>Not in attendance: Grace Dempsey, Dale Oliver</i> <i>Item #3 CDC-Business Proposals: questions were addressed in the 11/16/2010 meeting prior to approval</i>
<b>2. CDC</b>  <b>Follow-up on Business Proposals:</b>  Business was the only department on campus that had one set of courses for its majors and another set of courses for the minors. By suspending the “Essentials” courses, the duplication is eliminated. Minors will now be required to take the 4-unit course taken by the Business Administration majors. Eliminating the prerequisites was necessary so that minors could enroll in the 4-unit courses.  Business Administration majors are still required to take the courses that were listed as prerequisites.  The minor is enhanced by requiring the 4-unit courses as opposed to the	<b>Approved</b>  <i>Saeed Mortazavi was in attendance to answer questions raised in the 11/2/2010 ICC meeting.</i>  <b>Concerns:</b>  <b>1) Removal of pre-requisites for major/minor courses</b> <b>2) Will minor students be able to perform in the classes without pre-requisites?</b>  <i>Saeed: Individual instructors were contacted regarding</i>

<p>3-unit “essentials” courses.</p> <p>Department would prefer to maintain two sets of courses for majors and minors, but the trade-off of dropping pre-requisites allows program to support larger number of students and offer courses to non-majors.</p> <p>Department Chair Saeed Mortazavi will be invited to answer questions about the changes, student numbers, impacts on other programs, etc.</p> <p><b>Business Proposals</b> (Thomas)</p> <p>School of Business is suspending four 3-unit (non-major) courses used for BA minor, LS Recreation Administration minor field of study, International Studies Business Option, Child Development Child &amp; Family Services Track, Environmental and Natural Resources Recreation and MBA program pre-requisites.</p> <p><b>09-336 – BA 345 Principles of Marketing</b> – suspend course  <b>09-337 – BA 375 Management Essentials</b> – suspend course  <b>09-338 – BA 365 Finance Essentials</b> – suspend course  <b>09-339 – BA 355 Essentials of Financial &amp; Management Accounting</b> – suspend course</p> <p>The four suspended courses will be replaced with four 4-unit major course offerings of BA 340 Principles of Marketing, BA 370 Principles of Management, and BA 360 Principles of Finance, and BA 250 Financial Accounting where appropriate in the other programs.</p> <p>School of Business has submitted the following course changes to eliminate and/or change the pre-requisites on the major courses so non-majors can enroll or sequence courses to meet pre-requisites.</p> <p><b>09-447 – BA 360: Principles of Finance</b> – remove pre-reqs BA 252 Managerial Accounting and STAT 108 and add BA 250 and STAT 108  <b>09-449 – BA 340: Principles of Marketing</b> – remove pre-reqs BA 250, ECON 210, and STAT 108  <b>09-450 – BA 370: Principles of Management</b> – remove pre-reqs ECON 210 and STAT 108</p> <p>The above changes are reflected in the following program changes:</p>	<p><i>removal of the pre-requisites. Those courses which are proposing the removal of the pre-requisites did not require the knowledge of the pre-requisite subject matter. The curriculum was not diluted as a result of the removal of the pre-requisites. Fewer permission numbers will be needed. Courses which truly require pre-requisites were kept intact.</i></p>
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<p><b>09-434 LS Recreation Administration Program Change</b> Remove BA 345 and BA 375 and replace with BA 340 and 370 and change requirements for the 12-unit minor field of study. The increase in units forces elimination of options in 12-unit field of study and will require students to now take BA 210 Legal Environment of Business, BA 340 and BA 360. This change does not change total units required for major.</p> <p><b>09-439 International Business Studies Option</b> Remove BA 345, BA 355, BA 365, and BA 375 and replace with BA 340, BA 250, BA 360 and BA 370. These revisions do not require any change to the 4-year Major Academic Plan (MAP). The option requires STAT 108 for GE and major requirements. STAT 108 is a pre-req for BA 360. Increases option units by 4.0 but does not change total units required for degree.</p> <p><b>09-443 Business Minor Program Change</b> Change core requirements and remove BA 345, BA 355, BA 365, and BA 375 and replace with BA 340, BA 250, BA 360, and BA 370.</p> <p><b>09-335 MBA Changes</b> Change undergraduate prerequisites of BA 345, BA 355, BA 365, BA 375 and replace with BA 250, BA 340, BA 360, and BA 370</p> <p><b>09-466 Child Development Track 2 – Child &amp; Family Services (Program Administration)</b> Remove BA 345, BA 355, BA 365, and BA 375 and replace with BA 340, BA 250, BA 360 and BA 370.</p> <p><b>10-036 Environmental and Natural Resources Recreation</b> Change optional choice of business courses from BA 210, BA 345, BA 355, and BA 375 to BA 210, BA 340, and BA 370 (delete accounting option).</p> <p>RECOMMEND APPROVAL</p>	
<p><b>09-427 Geography Major Program Change</b></p> <p><u><b>Present situation:</b></u></p> <p>Currently, Geography department requires majors to take a minimum of four upper division “depth experience” courses designated “M” (as 1-unit corequisites).</p>	<p><b>Tabled for further discussion with a representative from Geography during the next ICC meeting</b></p> <p><b><i>Brandon Schwab asked that the course change proposals for GEOG 106M (#09-428) and GEOG 311M (09-429) also be reviewed during this time.</i></b></p>

<p><b><u>Proposed change:</u></b></p> <p>1) <u>Reduce the number of required in-depth- “M” courses from four to two for Geography majors and convert two of the M courses 106M and 311M to 106L and 311L.</u></p> <p>Geography program requests changes to two required classes:</p> <ul style="list-style-type: none"> <li>▪ Geography 106M (Physical Geography Depth Experience) to be replaced by Geography 106L (Physical Geography Laboratory) [1-unit, C-2 (lecture) to C-16 (lab)].</li> <li>▪ Geography 311M (Geographic Research and Writing to be replaced with Geography 311L (Geographic Research and Writing) [1 unit, C-2 (lecture) to C-16 (lab)].</li> </ul> <p>Provides opportunity for more in-depth lab experience for these courses. No unit load change for students, but changes increase contact hours and WTU for faculty teaching 106L and 311L. (New WTU for the course with lab will be 3+2=5 (up from 4)).</p> <p>Recommendation: Approve. [Mohsen]</p> <p><b>Environment and Community Masters Program:</b></p> <p>The E&amp;C Masters program recently began annual admissions. It also scored very high in prioritization. However, since it is an interdisciplinary masters and classes have always been offered under the designation of the departments participating, it is difficult to track the program institutionally. Therefore, after a faculty retreat, the program decided to create an EC designation for the core courses in the program. The changes below therefore do not reflect a program change but rather the development of specific EC designation for courses presently existing in a variety of departments.</p> <p>10-080—PSCI 675: Graduate Colloquium</p> <p>Change course number to EC 615</p>	<p><b>Questions:</b></p> <ol style="list-style-type: none"> <li>1) <b><i>“C” Classification and additional WTUs</i></b></li> <li>2) <b><i>Funding</i></b></li> <li>3) <b><i>GEOG 106M is a required course but GEOG 311M is not required. Was this intentional?</i></b></li> </ol> <p><b>Tabled for further discussion with a representative from the department during the next ICC meeting</b></p> <p><b><i>The ideology of these changes was to provide clarity for the Environment and Community masters students.</i></b></p> <p><b>Concerns:</b></p> <ol style="list-style-type: none"> <li>1) <b><i>Why is the cross-listing of courses being ruled out?</i></b></li> <li>2) <b><i>The program change forms to clarify details about the courses were not provided.</i></b></li> </ol>
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10-081—NEW COURSE PROPOSAL: EC 620: Economic-Political Dimensions (variable topics) (see below for explanation)

10-082—NEW COURSE PROPOSAL: EC 630: Socio-Cultural Dimensions (variable topics) (see below for explanation)

10-083—NEW COURSE PROPOSAL: EC 640: Ecological Dimensions (variable topics) (see below for explanation)

EXPLANATION FOR 10-081, 10-082, 10-083: The program presently divides its core into three dimensions. Courses offered under these dimensions exist in a variety of departments. The majority of these courses were developed solely to serve the E&C program. The idea of the new course proposal is to create a specific EC number for each of the categories under which a variety of courses can be offered.

**Solutions to potential concerns:**

- 1) For courses that exist not merely to serve the E&C program but also to serve something in the home department such as SOC 535 Dispute Resolution, that course would continue to be offered under its home department number and accepted by the E&C program as meeting one of the dimensions. All other courses which were developed for the E&C program would be offered under the EC number with the appropriate title
- 2) Concern was expressed by some departments that there would be a loss of FTES as a result of the new system and that in colleges where department resources were distributed by FTES, this could result in a loss of resources. However, a meeting with the deans of CNRS and CAHSS resulted in an agreement to draft an MOU promising that there would be no detrimental effects to department resources as a result of the shift to EC designations and that this MOU would stand for 10 years. (See below for a copy of the e-mail information sent by Mark Baker, director of the E&C program)

EMAIL: This is a short note concerning the paperwork submitted to the ICC regarding developing designated course prefixes for the Environment and Community M.A. in Social Science Program. Two departments have raised the concern that developing an “EC” course designation may reduce their departmental FTES when those FTES are displayed in the subject reports generated by the Institutional Research Office. This concern becomes more acute if resource allocations are made to departments based on the FTES in the subject reports. In order

to explore ways of addressing this concern, I met with the Deans and Associate Deans of the CAHSS and CNRS on October 18. It was observed at the meeting that faculty FAD reports indicate what courses departmental faculty teach, regardless of the program or department in which the course is listed. Those present also agreed to develop an MOU addressing the departmental concerns. The MOU will state that resource allocations to departments will not be negatively affected by faculty participation in the E&C Program. Copies of the MOU will be kept at the college offices and with the Vice-Provost. The memo would be “valid” for ten years and would then be open for reexamination/reconsideration. It was agreed that the MOU would be prepared after the conclusion of the ICC deliberations as there may be other issues that arise that the MOU should address. At the meeting it was also agreed that the E&C program would not cross-list courses that have been developed for other graduate programs, e.g. the Sociology graduate program, whose courses might be included in the core curriculum of the E&C program.

10-084—NEW COURSE PROPOSAL: EC 680: Special Topics

The program wants to have this in order to offer a course on a trial basis or for transient subject matter (perhaps something by an instructor who will only be here for a limited time, that sort of thing). It is designed to align with the recent rules on Special Topics courses

10-085—NEW COURSE PROPOSAL: EC 690: Master’s Thesis or Project

This course is basically the Thesis course providing students with an opportunity to work on their thesis or project under supervision of their advisor.

10-086—NEW COURSE PROPOSAL: EC 695: Field Research

This course will allow students to pursue investigations in the field relevant to their topics under supervision of their advisor.

10-087—NEW COURSE PROPOSAL: EC 699: Independent Study

This course is designed to provide students with an opportunity to pursue topics of their interest, related to their study, but not presently included in existing offerings. Course will be under the supervision of

their advisor.

**Changes to forms:** the following changes to the forms (which may or may not be reflected yet in the online copies) will be made after discussion with Mark Baker

For all New Course Proposal forms: there was some confusion over the Post-Bac term when it came to deciding whom the system should allow to enroll or not enroll for the courses. CHANGE from E to I on all forms.

For 10-081 and 10-082: remove statement regarding cross-listing and replace with statement that says courses will not be cross-listed (in explanation area 3<sup>rd</sup> page)

On 10-085 EC 690: Change the maximum number of times it may be offered for credit from 6 times to 3 times and the total number of units which can count for credit from 6 to 18 (with no one course being able to count for more than 6 units)

On 10-086 EC 695: Note that the maximum number of units per course is 3 but the maximum units the student can count toward for credit toward the degree is 9 units.

**ALSO RELATED TO E&C CHANGES:**

10-093—PSCI 683: Environment and Community Research

Change the number to EC 610. This course is presently required of all first year MA students in the program and was specifically created for the program although it has a PSCI designation. The change is being made with the approval of the PSCI department to reflect the fact that the course always has served the E&C program

**RECOMMENDATION:** accept all of the above

<p>ES 310 US Mexico Border</p> <p>The Ethnic Studies department has requested that the DCG designation on ES 310 be changed from non-domestic to domestic. The justification provided is below.</p> <p>ES 310 looks at the US-Mexico border region historically and in the present. We study the interrelationship between both nations in the border zone, particularly economically. This relationship stems from U.S. investment in sectors of the Mexican economy but is also linked to the broader economic expansion of the U.S. Southwest.</p> <p>The sources I use in the course are all from U.S. writers. The materials focus on the U.S. side of the border, and on U.S. border cultures and politics. The texts look at the experiences of various groups, especially of U.S. ethnic and racial minorities, (Chicanos, Native Americans, African Americans) and at patterns of exclusion and domination in the U.S. states of Texas, New Mexico and California, in relationship to the history of the border.</p> <p>The course focuses on U.S. populations in light of border history and also on U.S. culture, and its on-going transformation in light of a continuing and expanding interrelationship with Mexico. It fits firmly in the field of U.S. Ethnic Studies, and so should be categorized as a DCG-domestic course.</p> <p>RECOMMENDATION: Discuss {Personally, I believe the first paragraph contradicts the other two paragraphs and that anything which is cross border is, by definition, transnational (which is what original DCG designation paperwork said this course was) and therefore is non-domestic. However, that may be an issue we want to discuss.}</p>	<p><b>Course Change Proposal required</b></p> <p><i><b>The ICC committee viewed this as a change in course content for ES 310. Therefore, a course change proposal would be required.</b></i></p>
<p><b>3. AMP –</b></p> <p><b>Natural Resources MS – New Option in Forest, Watershed, and Wildland Sciences</b></p> <p><b>Resolved:</b> That the Academic Senate of Humboldt State University</p>	<p><b>Approved</b></p>



recommends to the Provost that the New Natural Resources MS Option in Forest, Watershed, and Wildland Sciences (as described in curriculum proposals listed below) be approved.

**10-026: Natural Resources (Grad): Forestry** Combine the Graduate Natural Resources Forestry, Watershed Management and Rangeland Resources and Wildland Soils into one program: NR: Forest, Watershed, and Wildland Sciences. Add FOR 510: Research Methods in Forest, Watershed, and Wildland Sciences as a new required course. All other coursework for the degree (other than the thesis) is electives chosen through extensive advising.

**10-026 to 10-028 Attachment** includes catalog copy. This is the best summary of the program changes.

**10-027: Natural Resources (Grad): Watershed** Combine the program with Forestry and RRWS (see 10-026).

**10-028: Natural Resources (Grad): Rangeland Resources and Wildland Soils** Combine the program with Forestry and Watershed (see 10-026).

**10-029: FWWS 501: Research Methods and Planning** new course proposal

**10-030 WSHD 430: Water Rights and Water War** suspend course because of lack of faculty to teach it, and less student interest in this topic as opposed to other WSHD courses

**10-031 WSHD 520: Watershed Analysis** suspend course because of lack of faculty to teach it, and less student interest in this topic as opposed to other WSHD courses

**10-032 WSHD 524: Watershed Hydrology** change title to “Advanced Watershed Hydrology” to reflect the difference between the undergrad and grad versions of the co-scheduled course.

**10-033 WSHD 530: Water Rights and Water War** suspend course because of lack of faculty to teach it, and less student interest in this topic as opposed to other WSHD courses

**10-034: WSHD 558: Land Use and Climate Change** title change to “Advanced Land Use and Climate Change” to reflect the difference between the undergrad and grad versions of the co-scheduled course.

**10-035: RRS 550: Advanced Study of Rangeland Resources** title change to “Advanced Wildland Resources,” and new course description to reflect course emphasis on “wildland resources as related to rangeland

resources and wildland soils.”

**?10-???:** *Change WHSD 690: Thesis to FWWS 690.*

**?10-???:** *Change WHSD 695: Research Problems to FWWS 695.*

**?10-???:** *Change RRWS 690: Thesis to FWWS 690.*

**?10-???:** *Change RRWS 695: Research Problems to FWWS 695.*

*Rationale: Following the Prioritization process, the Provost recommended that the low-enrolled NR Grad options in RRRWS and Watershed be eliminated. ICC consideration of this recommendation resulted in the realization that very little money would be saved because graduate programs in Natural Resources are largely individually designed, with coursework selected by student and advisor to best meet the student’s needs. So long as the appropriate courses have sufficient enrollment to be offered, graduate students in this program can focus on whatever area of specialization they wish, no matter what their option is titled. The ICC realized that “Watershed” students would be able to earn identical degrees under the title “Forestry” if the Watershed option were eliminated.*

*Thus, the ICC was receptive to the proposal to combine the Forestry, RRWS, and Watershed options into one new option: Forest, Watershed, and Wildland Sciences. The new program includes one required research methods course that will help create some cohesion in the program of study for all students in the option. In addition, the program has demonstrated that they should have sufficient enrollment in appropriate courses to be able to support the various needs of students in this option.*

**Dance**

**Resolved:** That the Academic Senate of Humboldt State University recommends to the Provost that the Revised Interdisciplinary Studies: Dance Studies program (as described in curriculum proposals listed below) be approved.

**Approved**

<p><b>10-170 Dance Studies Program Change</b></p> <p><b>10-171: TFD 103: Dance Techniques I</b> change course number to DANC 103, and title to “Modern 1” to better reflect the course content</p> <p><b>10-172: TFD 103B Dance Techniques 2</b> change course number to DANC 103B, and title to “Modern 2” to better reflect course content, add DANC 103 or I.A. as pre-req.</p> <p><b>10-173: TFD 185: Ballet 1</b> change course number to DANC 110</p> <p><b>10-174: TFD 186: Ballet 2</b> change course number to DANC 310, add DANC 110 or I.A. a pre-req., updated course description</p> <p><b>10-175: TFD 303: World Dance Expressions</b> change course number to DANC 303, change title to Dance in World Cultures – title change better reflects course content – no actual change in course content</p> <p><b>10-176: TFD 350: Dance Science</b> – course number change to DANC 350, C-class change from C-4 to C-2 because class format is more lecture with only ¼ participation</p> <p><b>10-177: TFD 385: Jazz Dance Styles 1</b> – course number change to DANC 120 – new number reflects better sequencing and indication of skill level</p> <p><b>10-178: TFD 386: Jazz Dance Styles 2</b> – course number change to DANC 320, add pre-req. of DANC 120 or I.A.</p> <p><b>10-179: TFD 389: Choreography Workshop</b> – course number change to DANC 389</p> <p><b>10-180: TFD 484: Creative Dance for the Classroom</b> – course number change to DANC 484</p> <p><b>10-181: TFD 485: Interdisciplinary Seminar in Dance</b> –course number change to DANC 485, title change to “Interdisciplinary Seminar,” updated course description</p> <p><b>10-182: TFD 489: Dance Theatre Production</b> – course number change to DANC 489, change pre-reqs to “Audtion or I.A.,” add co-requisite of “enrollment in a dance technique class of appropriate genre or I.A.” because “dancers must participate in regular training during rehearsal and performance in order to maintain body awareness, prevent injury, and to increase their changes for a successful performing experience.”</p> <p><b>10-183: DANC 330: Modern 3</b> – new course proposal</p> <p><del><b>10-184: DANC 400: Bodyworks</b> – new course proposal to become</del></p>	
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~~Area E GE – hold this proposal for next semester.~~

**10-185: DANC 240: African Dance** – new course proposal

**10-186: DANC 245: Middle Eastern Dance** – new course proposal

**10-189: Dance Studies Program Changes** corrections/updates to 10-170

**10-190: TFD: Dance Minor** – change program to reflect new course prefix, numbers, and names, no change minor requirements

**10-191: TFD: Dance Emphasis** – eliminate the Dance Emphasis from the TFD Major

**10-192: International Studies** – because of the change in Dance course numbering, DANC 303 will replace TFD 303 in the list of electives for the Cultural Studies concentration.

**10-193: Liberal Studies/Elementary Ed** because of the change in Dance course numbering, DANC 484 will replace TFD 484 in the list of electives for LSEE majors

**10-???: TFD 295: Bodyworks** – renumber to DANC 275

*Rationale: As a result of the Prioritization Process, the Provost recommended that the two HSU dance degrees (one an option in TFD, the other an option in Interdisciplinary Studies) be revised so that HSU offered only one dance degree. This new proposal preserves the aspects of the Interdisciplinary Studies degree that students found most valuable, while focusing the program into one option. The program also allows sufficient flexibility for students to begin the program with various amounts of dance experience, while requiring them to demonstrate advanced levels of skill in order to complete the degree. Finally, the program has demonstrated that transfer students should be able to complete the program in two years.*

### **Computer Science**

**Resolved:** That the Academic Senate of Humboldt State University recommends to the Provost that the Revised Computer Science program (as described in curriculum proposals listed below) be approved; and be it further

**Resolved:** That the Department, Dean, and Provost shall negotiate

**Approved with revisions**

***Revisions to the resolutions:***

***Resolved: That the Academic Senate of Humboldt State University recommends to the Provost that the Revised Computer***

<p>benchmarks demonstrating program viability; and be it further</p> <p><b>Resolved:</b> That if the program does not satisfactorily meet the negotiated benchmarks within four years of the implementation of this change, the Computer Science major will automatically begin HSU's formal Program Elimination process.</p> <p><b>10-198: CIS 110 – Introduction to Computers</b> delete course as part of eliminating CIS program</p> <p><b>10-199: CIS 130 – Introduction to Programming</b> - delete course, will be replaced by new CS 111</p> <p><b>10-200: CIS 170 – Essentials of Procedural Programming I</b> – delete course as part of eliminating CIS program</p> <p><b>10-201: CIS 171 – Word Processing I</b> - delete course as part of eliminating CIS program</p> <p><b>10-202: CIS 172: Spreadsheets I</b> - delete course as part of eliminating CIS program</p> <p><b>10-203: CIS 173: Micro Databases I</b> - delete course as part of eliminating CIS program</p> <p><b>10-204: CIS 174: Micobased Graphics I</b> - delete course as part of eliminating CIS program</p> <p><b>10-205: CIS 176: Introduction to Internet</b> delete course as part of eliminating CIS program</p> <p><b>10-206: CIS 178: Creating Web Homepages</b> - delete course as part of eliminating CIS program</p> <p><b>10-207: CIS 230: C++ Programming</b> - delete course, will be replaced by new CS 112</p> <p><b>10-208: CS 328: Web Apps Using Databases</b> – new course “Building applications atop databases, N-tiered architecture, database tier, stored procedures/functions; presentation tier, web GUIs; application tier: controlling web-to-database interactions.”, 4 units, 3 hours lecture, 2 hours lab.</p> <p><b>10-209: CS 325: Database Design</b> – new course. “Introduction to database design and implementation. Relational model, entity-relationship model and diagrams, converting a model to a schema, elementary Structured Query Language (SQL), nomalization.” 4 units,</p>	<p><b><i>Science program (as described in curriculum proposals listed below) be approved; and be it further</i></b></p> <p><b><i>Resolved: That the Department, Dean, and Provost shall negotiate benchmarks demonstrating program viability; and be it further</i></b></p> <p><b><i>Resolved: That if the program does not satisfactorily meet the negotiated benchmarks within four years of the implementation of this change, the University Senate will automatically direct the ICC to HSU's formal Program Elimination process for the CS program; and be it further</i></b></p> <p><b><i>Resolved: That the University shall reopen admissions to the Computer Science program; and be it further</i></b></p> <p><b><i>Resolved: That the Academic Senate commends the CS program for its thoughtful and comprehensive revision of the program.</i></b></p>
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3 hours lecture, 2 hours lab.

**10-210: CS 237: Bioinformatics Programming** – new course, “An introductory course on using software tools to solve biological problems. Students collaboratively model genomic and/or proteomic data with scripting and statistical languages.” Elective for major/minor, required for Bioinformatics Certificate, offered only when enrollments permit, 3 units, 2 hours lecture, 2 lab.

**10-211: CS 243: Architecture** – new course. “An introduction to computer architecture including assembly language, computer arithmetic, performance measure, datapath, control, pipelining, and memory/storage design.” 4 units, 3 hours lecture, 2 hours lab.

**10-212: CS 274: Operating Systems** – new course. “An introduction to operating systems with an emphasis on process synchronization and control. Synchronization, kernel structure, scheduling, deadlock, virtual and physical memory, file, and I/O.” 4 units, 3 hours lecture, 2 hours lab.

**10-213: CS 279: Introduction to Linux** – new course. “This course introduces the UNIX/Linux family of operating systems. Basic commands, utilities, system structures, scripting and tools are explored. Elements of system administration are presented.” 4 units, 3 hours lecture, 2 hours lab.

**10-214: CS 232: Python Programming** – new course. “An introduction to the Python language. Idiomatic language features such as lists, dictionaries, tuples, and sets. Use of Python classes and modules to accomplish complex tasks.” Elective for major and minor. *3 units, 2 hours lecture, 2 hours lab*

**10-215: CIS 310: Database for Non-Majors** change course number to CS 310 because CIS program is being suspended

**10-216: CIS 309: Computers and Social Change** – course number change to CS 309 because CIS program is being suspended

**10-217: suspend the CIS Major and Minor** to create only one Computer program. Students in the currently in the program have been advised on ways to complete their degrees in a timely fashion.

**10-218: Revised Computer Science Program** – the catalog copy shows the new degree requirements. The new major requires 62 units, where the old CS major required 73. The proposals also include a new computer science minor to replace the old CIS minor. In addition, the existing Bioinformatics certificate is included in the CS catalog information.

**10-220: CS 475: Geographic Information Systems: Spatial**

**Analysis & Modeling** – change course number from CS/CIS 475 to CS 475, shorten course title to “Geographic Information Systems,” change C-classification from 2 units C-4 and 1 unit C-13, to 2 units C-2 and one C-13 in order to permit larger class sizes.

**10-221: CS 280: Selected Topics in Computing** - new course, “Special topics in computer science. Courses with the number have only freshman/sophomore prerequisites excluding CS 212 or CS 243.”

**10-222: CS 480: Advanced Topics in Computing** – new course, “advanced topics in computer science. Courses with the number must have as a prerequisite at least CS 211.”

**10-223: 100: Critical Thinking with Computers** – Change course number from CIS 100 to CS 100.

**10-224: CS 111: Computer Science Foundations 1** – new course, “Introductory programming covering problem decomposition, control structures, simple data structures, testing, and documentation. Students design and implement a number of programs.” 4 units, 3 hours lecture, 2 hours lab.

**10-225: CS 112: Computer Science Foundations 2** – new course, “Object-oriented programming, focusing on classes, instances, methods, encapsulation, inheritance, overloading, multiple inheritance, and exception handling,” 4 units, 3 hours lecture, 2 hours lab.

**10-226: CS 211: Data Structures** – new course, “Introduction to classic data structures and algorithms. Performance comparisons, big-O notation, trade-offs, arrays, linked lists, recursion, sorting, stacks, queues, trees, graphs, and hash tables.” 4 units, 3 hours lecture, 2 hours lab.

**10-227: CS 212: Algorithms** – new course, “An introduction to algorithmic thinking. Recurrences and solution techniques, fundamental algorithms including graph algorithms, algorithm design techniques, balanced trees, performance trade-offs.” 4 units lecture (no lab).

**10-228: CS 246: Telecommunications and Networks** – new course “Students are introduced to the fundamentals of telecommunication and to the structure, implementation, and theoretical underpinnings of computer networking.” 4 units, 3 hours lecture, 2 hours lab.

**10-229: CS 444: Robotics** –new course, “A project-based introduction to robotic systems and software that controls them, including gearing, mechanics, AI control systems, and problem solving with robots.” 4 units, 3 hours lecture, 2 hours lab.

**10-230: CS 449: Computer Security** – new course, “Introduces students to central concepts of computer security on networked systems.

Topics include threats, cryptography, authentication, operating systems in security, legal and privacy issues.” 4 units, 3 hours lecture, 2 hours lab.

**10-231: CS 458: Software Engineering** – new course, “This course introduces students to software engineering principles and methodologies in the context of a semester-long software team project.” 4 units, 3 hours lecture, 2 hours lab.

**10-232: CS 232: Computational Models** – new course, “An introduction to the Chompsky hierarchy, automata, Church-Turing Theise, computability, NP-Completeness, and information theory.” 4 units lecture (no lab),

**10-233: CS/CIS 240: Visual Basic Programming** – delete course, course has not been taught for many years, and will not the part of the new CS Program

**10-234: CIS 246: Multimedia I** – delete course, course has not been taught for many years, and will not the part of the new CS Program

**10-235: CIS 250; Introduction to Operating Systems** – delete course because CIS degree is being suspended. (Students finishing the CIS degree will be able to take this course in Spring 2010 – the last time it will be offered.)

**10-236: CIS 271: Word Processing II** – delete course, course has not been taught for many years, and will not the part of the new CS Program

**10-237: CIS 272: Spreadsheets II** - delete course, course has not been taught for many years, and will not the part of the new CS Program

**10-238: CIS 446; Multimedia II** - delete course, course has not been taught for many years, and will not the part of the new CS Program

**10-239: CIS 464; Electronic Commerce (e-commerce)** - delete course, course has not been taught for many years, and will not the part of the new CS Program

**10-240: CS 131: Introduction to Computer Science** – delete course - this course will be replaced by CS 111 and 112 in the new curriculum

**10-241: CS 132: Introduction to Computer Science** – delete course – this course will be replaced by CS 211 in the new curriculum.

**10-242: CS 434: Systems Software** – delete course – course has never been taught

*Rationale: As a result of the Prioritization Process, the Provost*



*recommended that the HSU Computer Information Systems and Computer Science degrees be revised so that HSU offered on one Computer Science major. This new proposal eliminates the Computer Information Systems major while thoroughly revising the Computer Science into a program that is highly efficient, yet compares favorably with benchmarked program and exceeds the standards of the accrediting body for Computer Science programs. While the program does include a six-semester series of courses (due to extensive pre-requisites), students who complete community college computer science work should be able to complete their degrees at HSU in two years.*

*Enrollments in CS classes need to be high enough for the program to be viable. The program has projected enrollment numbers that will make the program as cost-effective as is possible. If sufficient numbers of students don not enroll in the program, then HSU cannot afford to offer it, and it should be eliminated.*

Revisions in progress:

Syllabi

Remove 10-219

Check with GIS task force

Catalog copy – Discrete Math

New form to delete CS 240 (not both CIS and CS 240 on same form)

New form to delete CIS 475

Program changes for other programs affected by CS changes

#### **4. Program Planning and Assessment Committee**

MOU response for Fisheries

MOU response for Forestry

MOU response for Business

**Approved All**

***Role of ICC: Requests for clarification so MOUs are effective***

<p><b><u>Items Postponed</u></b></p> <p><b>5. Academic Policies Committee –</b></p> <p>Disqualification Policy</p> <p>UDGE</p> <p><b>6. Draft Program Review, Evaluation, and Planning recommendation</b></p> <p><b>7. Jodie –</b> What if something is completely approved and then the Registrar’s office discovers that it won’t work?</p> <p><b>8. Eric –</b> What is the ICC’s role in evaluating curriculum proposals?</p> <p><b>Next meeting – Subcommittees</b></p>	
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