OCCC Minutes
October 13, 2000
Klamath Community College

Presiding: Linda Anderson

Attendees:

Linda Anderson - CCC	Peter Casey - COCC	Gene Taylor - COCC
Diana Glen - COCC	Carson Haury - COCC	Karla Fant - PSU
Marty Murray - PCC	Dee Hahn - KCC	Chuck Dunbar - KCC
Mike Breck - OIT	Jane Ritter - U of O	Diana Schab - SWCC
Linda Carroll - LBCC	Linda Loft - LCC	David Todd - MHCC

Dee welcomed us to KCC's new campus that opened in March, 2000. It is already filling up.

Minutes of prior meeting approved.

UO will host the Spring meeting on Friday, April 27. David Todd of MHCC will chair the next meeting.

Old Business…………………………….

Follow-up on status of CS120/121/122 courses.

Jane Ritter commented that at UO, CS121 & 122 still count as science transfer courses. CIS123 is multimedia on the web, and has CS120 as a prerequisite. CS120 still has a MTH111 prerequisite, even if not taken as a science credit. However, this prerequisite is not enforced. They are thinking about renumbering it to CS101. CS120 does cover some web and html that other CS120's do not. Their 'new' CIS121 leads into the CIT minor. CIS121 used to be an overview of computer science; it is becoming an intro to programming using JavaScript, while CIS122 is becoming C++ intro. This gives science and math credit. This course might change to Java, but Java is taught for the majors, and CS122 is a 'getting feet wet' experience.

New Business..............................

What's new on campuses in Computer Science? Where are people finding instructors?

COCC: Java using big-time objects from beginning, VB still structured programming to start. Students having difficult time at start. JavaJavaJava (Morelli) is the text - no 'if' till chapter 4. At capacity in dept; 4th year with Bus, OA, CS combined. Had 350 waitlisted, ran out of instructor pool because of work schedules, pay scales, etc. Hope to add additional instructor next year. UO/OSU working hard to sell connect with COCC. Building connections with OIT and EOU also. 4-yr center won't be ready when the new branch campus is established. Much local demand seen for full degree. Ecommerce is being started by bus dept. 120 is theory vs. hands-on; doesn't feel like a science class. Have problems requiring prerequisites for 100-level courses. Placement testing is the only option now. Moving to Banner next year. Online program is not strong yet; college doesn't support with additional money, instructors want additional pay. Demand is high for existing online courses. There is a 2x, 1.5x instructor premium that college resists funding many of. Same seat limit as on-campus classes. Using WebCT. -- PCC limits enrollment as way of managing instructor load; no additional comp unless get development grant. Not covered by contract. -- CCC also limits enrollment; with overload pay starting at 20. If total goes above 35, sets up as 2 sections. -- PCC finds distance Ed can be a good opportunity for team teaching to share load. FT faculty can have student asst for online classes who can do some of the FAQ work. Not a workstudy position at PCC; raises budget issues at some schools. Students expect night and weekend responsiveness from instructors.

PSU: enrollment increases continue to be a big issue - more than> 400 CS161 students; one class has 200, may get larger! Hires many adjuncts for 100/200 classes, trying to hire instructors to cut down on number of adjuncts and grad TAs. The goal is also to standardize all class materials for instructors. Their introductory classes shield from complexities of C++: the CS262/202 class goes into all these details that are the "industrial strength" topics. CS106 is VB, CS107 is Java. CS161 and CS162 are staying C++ due to industry feedback. They avoid operator overload, etc in CS162, focus on object concepts and no esoteric syntax.

PCC: Looking at 2 sequences, one C++; one Java. CS161/162 would be Java, and the C++ sequence would be 133U/233U, etc. CIS added advanced SQL (276) w/ stored procedures and triggers. They are dropping Novell, expanding Unix side for net admin, along with NT. CS120/121 enrollment is dropping. SQLServer first, then Oracle. Linux is the Unix platform. Switched to Win2000 as the NT platform. Already switched. Webscripting CIS233s does ASP using

SQLServer; CIS275 is prerequisite. No db admin yet, perhaps soon. Students are inquiring about it.

KCC: adopted PCC model then modified it. Tailored more to OIT. CIS is more of a tech support degree now. Aimed at call centers, corporate tech support staffs. AGS is seen as a better feeder to OIT's MIS degree. CIS120 is campus requirement; can test out with the instructor. Lab is Win2000, Ofc2000 for all CIS classes. Win2000 security can be set to be excessive; don't use anything else, but students get share violations when deleting folder on own floppy. COCC uses a pc-slot device to lock down machine so changes student makes are not kept at reboot. Fortress causes many system incompatibilities at CCC. Use PCC's CS278, teach own CS279 for networking. Has a set of dedicated machines for networking. Students do own setup, teardown, and machine repair when things break. Don't address net cert training, direct students to commercial trainer in town.

Lane: Allow students to test out of CS120. 3 variations of the mechanisms, depending on program (AAOT, etc): challenge, credit by exam, placement (bypass) test. Creates advising complications. Hoped this would decrease CS120 size. Didn't. Added CIS101 that is not a science credit for lower-end students. Hope this will tighten up spectrum of students in CS120. CCC has a technical placement exam that gets some out of CS120. Enrollment up, construction going on. Still about 18 mo out for CS. Companies seem to be pushing employees into more continuing ed. Have added eight sites attached to regional High Schools throughout the county during recent years. Java for CS161 sequence. 2nd year of programming degree is being modified from C/S to web programming. Faculty are struggling to get up to speed.

UO: Trying to follow state numbering guidelines but encountering resistance in Registrar's office to suffixes. CS121 no longer counts for math credit; students were using it to avoid 'real' math classes. New controls and standards for majors going in; pre-major status in LD, certain GPA required to get into major classes. Want to use it to feed people into CIT major, other areas when they really don't belong in CS161 sequence. UO transfer-ins come in from CS161/162/260 and struggle in 313. Don't know what the problem is. CS313 is Data Structures (adv?) Might be environmental? About 40 in a section. Expectations may be too high (grad level) at UO. CCs do much more handholding. Some may be struggling in CS260; difficulty would be expected. We would worry about a good student having problems. What are the curriculum expectations of CS313? UO uses CS210/211/212 numbers for CS161/162/260.

LBCC: Cisco up and running, web page design started, just starting e-commerce. Robin Williams and John Tollett for website design recommended

by UO. Lane combines 2cr of html from CS w/ 2cr of design from Art for website design. Peggy retiring at end of year perhaps - very junior dept behind her.

OIT: New IT degree. Computer Software Tech degree decided to stay with C++ for saleable job skill. Can learn Java. Start with 2 terms of C, with bit of objects at end of 2nd term. Structures, GUIs, all similar classes use C++. No Java at all at OIT, even as elective. The new IT degree collaborates with BUS and MIS; more of a traditional CS program. Doing it in KF, Portland, Ft Lewis, and perhaps Bend. Bangor, Whidbey may be new sites. Online offerings being offered to instructors who invest development time and get cut of enrollment. CST up to 20% of total campus enrollment. Running out of lab space. New remote programs have rather tangled organizational lines, especially at Ft Lewis and Boeing. This can cause accreditation problems if control is not maintained by OIT. Have set large growth goals that mean off-campus (non-KF) to achieve. MIS - gets CS off ramps, displaced workers, and some traditional students. Enrollment growing. Very traditional MIS curriculum, plus MIS plus Accounting combo. Involved in the IT degree also. Staffing is a revolving door process. Faculty opening for winter term now: networking, hw/sw integration topics.

Southwestern: Cisco program expanding into a degree program; adding A+; adding NT/2000 to networking. Lots of demand in community. Adding ladder program structure with mini-certificates at various stages along the way. Tangible reward for effort at more frequent intervals than traditional degrees and certificates. Software spec degrees being looked at. MOUS certificate available. Always add to basic material. Doing testing on campus; registrar took it into testing center, but did not have all the needed hw/connections at first. MS approved the certification site application without a Sylvan connection; still have to submit results to MS. Not a money-maker, but really attracts students. Cisco testing must be done by outside agency. Added an AA CS degree with UO that has small enrollments. Went with Java (using Horstman) after structured programming in C as prerequisite. Nothing but objects in Java. Transition appears easier when definite shift marked by new language. C++ is still offered but as a background sequence. Enhancing Multimedia programs quite a bit, added CS199A and CS199B courses. Still trying to get a server machine for the classes. Had the classes renumbered by admin to CS125/135; working to get back to CS199. Art still uses Paint and Corel 5; collaboration is proving difficult as a result. Added 2 faculty to total of 6 now. Had a substantial pool this time around. PT is a struggle; have had trouble finding qualified people, especially for foundation courses. Use CS131 vs. CS120 number. Some people are heavily involved in some MS grants. A+ classes are part of effort to ladder cert courses into college credit structure - cram course is followed by practicum that is required to turn it into a college

credit class. Working on transcripting issues to tie the tech training portion to academic portion. Continuing Ed is always responding to community demand by starting up programs that overlap with CS efforts. The MS grants are involved in developing the laddering structures.

Clackamas: Has developed a document of required elements of computer literacy that is used as a checklist for other departments to use in evaluating their courses. Blackboard used for distance ed courses just this fall. Seems to be working well and is quite inexpensive. 1300 students in CS classes with 5.4 FT instructors; adding 5 PT to bring total to 24 PT in winter. Cramped for space, have bond issue on ballot. Outreach centers in outlying locations seem to be promoted as computer centers if there is a room with computers in it. Support, access, books, etc are lacking for students if special efforts are not made to ensure some degree of compatibility, staffing, etc. Has to look for quite savvy PT instructors for those locations. Lane has built their own spaces with specified equipment and staffing.

OCCC Website:

Please get links for course outlines to Ron. Should faculty member pages be added directly/linked to here, or just link to campus site? Consensus was to use campus links.

OCCC Membership issue:

- Peter has never thought of us as limited to public schools.
- The committee did start with the issue of CC/public 4-yr articulation issues. Elaine attended for quite a while with that in mind.
- Private schools and High Schools attend the Computer Science Education Consortium in general.
- Agenda already seems to be quite full.
- Many curriculum issues such as language choice would be relevant to private schools.

Could target them for a specific meeting and see what response we get. Spring meeting or a third meeting? Maybe just the afternoon session and focus on 4-yr integration issues then, keep morning to CC-specific issues?

Increased attendance of other public schools also needed.

ONE initiative seems to be leading to building on common course numbering to extent of automatically granting credit for matching course number. Our numbering discussions do cover general content issues that can enhance

articulation process. There is a grant among OIT/SOU/EOU/WOU to increase IT graduates that is beginning with five common courses that would be adopted by all four schools. CCs might want to tap in, or this program might pick up ideas from the CC course numbering guidelines.

Conclusion: Invite private schools from lunch on. Emphasize public schools involvement in entire day, and invite private schools for lunch and afternoon topics.

PM topic breakout sessions? Transfer instructors meet with 4-yr schools, CC networking courses meet separately, etc. Morning might generate ad hoc topics. Might need to have a single spokesperson per school for the morning session, establish some protocols, especially for voting issues.

Room size, lunch issues not seen as critical issues.

New Courses and course numbering

CCC brought package of changes and some new items. Has web design CS125j/135h already, and wants to move into CS133s/233s for webscripting, with CS234s to come eventually.

New items are for Windows (certification). Wants to use CS240/CS279/CS288W/CS289W, with CS140W as prerequisite and CS278 (general datacomm). Not really aimed at certification, but parallel the certification exams.

CCC want to add a third hardware course, and ask for CS229x so it would be 227h/228h/229h for hardware. The 229 has some apparent overlap with network courses. Lane uses 227a/227h/227n to cover application/hardware/network system support. CCCs 229 is fairly analogous to Lane's 227n. Lane has three terms of troubleshooting that move between focus areas: apps, hardware, and networks. CCCs seems to be two levels of PC hardware and a single level of network hardware. Recommendation is to use 227h/228h/228n with 228h as prerequisite for 228n. Found that 140W + 227H cover the A+ objectives.

Need to ask Ron to annotate listing with some of the points from our discussions, e.g., the distinctions between 125 and 133 numbers. And some more explanation of examples of the suffix process, and the history. Collecting a set of generic examples for each number for review at Spring meeting would be helpful. Suggestion made that Dennis H be asked to coordinate the effort.

Review of one set of sequences from Fall meeting:
125/135 (FrontPage or raw html very introductory, application level) vs.

133/233/234 (programming - JavaScript, etc) vs.
195/295 (website development - organization, db (asp, jsp), art, etc)

SW working on customer service, some app troubleshooting and trying to figure out how to package it. There is a book on the topic written by Fred Brycee (sic) at Lane that is used there in a 225 course, and in courses at CCC. (225 and 226 are the end-user support numbers).
Question about the text development process was raised. The 225 curriculum development was done under grant that gave Fred release time, and he wound up writing the text on his own as he couldn't find texts. "A Guide to Computer User Support" (CTI)

E-Commerce

Emphasis tends to depend on which department is driving the program. Either heavily business or heavily CS. How much can be covered in two years? Lane found it being driven from the OT department. Had to wonder what the underlying curriculum was and did it fit well? Which classes from CS should they use as part of the program? May require a different level or emphasis than existing classes.

PCC has devised two programs, one entry-level, one more advanced, using existing courses.
(Program description provided.) What is distinction between one-year Certificate that can stand alone, and one that takes a year, but that year pretty much has to be the second year of the AAS/AGS degree. Depends on what a school calls the various special tracks or collections of electives. Maybe just drop the words "one year".

BA at PCC is working on an e-commerce course that CIS would be willing to cross-list, but they didn't want to do that, so will work independently of CIS.

There could very well be business-oriented e-commerce (BA), and technically-oriented e-commerce (CIS) courses. CIS departments probably need to talk with BA departments to help define the appropriate content areas.

Graphics/Multimedia classes in CS/CIS depts. - what number? 125xx could be used, or use a Fine Arts number even if CS faculty teach it. (depends on school's attitude).

PCC's program has a couple of 299s that should be renumbered soon. The 299W Web server admin could fit in the 289 slot.

Course Challeges

Challenge process at CCC changed from $10/credit to full tuition recently. What is happening at other schools? COCC charges full price. PCC has combined it, with 10 challenge fee then full tuition if pass. Statewide gives no FTE for challenges. Varies pretty widely by school. Some don't give credit on transcript, some do. There are distinctions between challenge and credit by exam at some schools. Some treat it as waiver (no credit). Many departments give no faculty load credit for handling challenges.

Miscellaneous

Docking hard drives at Lane issued to 2nd year students. PCC makes students buy them. CCC also uses docking hard drives.

Adjourned to a tour of KCC's facilities, especially their computer labs and facilities.

Respectively Submitted By ...

David Todd - Mt. Hood Community College

Please notify Ron Wallace by email of any updates or corrections.