OCCC Minutes
October 20, 2006
Portland State University

Presiding: Bob Broeg, Western Oregon University

Attendees: If you were there and not listed below or if you are listed below and were not there, please notify Ron Wallace (rwallace@bluecc.edu).

Ron Wallace - BMCC	Bruce Schafer - OUS	Debra Carino - CkCC	Steffan Moller - CkCC
Cynthia Brown - PSU	Wayne Machuca - MHCC	Larkin Franks - MHCC	David Todd - MHCC
Don Harvey - SOU	Jim Bailey - LCC	Linda Carroll - LBCC	Mark Bony - RCC
Peter Casey - COCC	Andney Proskwowski - U of O	Ginnie Lo - U of O	Chris Wilson - U of O
Jane Ritter - U of O	Mitch Fry - ChCC	Elizabeth Odekirk-Hash - OSU	Jay Bockelman - OIT/PDX
Bob Broeg - WOU	Susan Stansbury - UCC	Mike Stansbury - UCC	Colin Goble - PCC
Diana Schab - SOCC	Taylor Hanna - PCC	Susan Boyanovsky - CCWD	

Minutes

Introductions and Campus Updates

Western Oregon University (Bob Broeg)

Beginning with Fall quarter, 2006, WOU has renumbered several courses to bring them in line with the OCCC.

- CS 161 Survey of Computer Science is now CS 160
- CS 162 Computer Science I is now CS 161

- CS 260 Computer Science II is now CS 162
- CS 311 Data Structure I is now CS 260
- CS 313 Data Structure II is now CS 311

Mount Hood CC (David Todd and Larkin Franks)

Enrollment this fall is down slightly from last year but still way above the average over the previous four or five years.

No significant program changes for this year. Changes are internal to the courses. New text selected for CS161/CS162 that is very much objects-first, and that integrates design and testing into the process. (Object-Oriented Program Development Using C++: A Class-Centered Approach, Bronson, Thomson Course Technology, 2006)

Similarly, using a new text for CS133JA (Java Design and Programming) that integrates design, code and testing in a process that is heavily objects-first even for Java. (An Introduction to Programming and Object-Oriented Design using Java version 5.0 (2 ed), Nino and Hosch, J. Wiley & Sons, 2005)

Have to decide soon on whether to move to new 5th edition of Carrano, Walls and Mirrors text for CS260.

Computer Science (Transfer) is now in Mathematics, Engineering and Computer Science Department.

Switched primary compiler for CS161/CS162/CS260 to Dev-C++ from Borland. This is still in a Windows environment.

Fall Term 2006, we rolled out our redesigned A.A.S. Degree in Computer Information Systems with four concentration areas - Database Management, Information Technology, Networks and Operating Systems, and Web Management/Web Master. Four certificates in these areas were also implemented. In the process of this redesign, we also reviewed all of our course outlines and repackaged curriculum into new courses, especially in the web concentration.

Two faculty members participated in the Oracle Academy training that began during spring term as a DL course and

culminated in L.A. at the Oracle Academy. MHCC is now adding Oracle to the curriculum and is benefiting from Oracle's donation of software. The first Oracle class will be offered winter term 2007 (CIS133SQL).

We upgraded our CISCO program with network security software. One of our faculty attended a CISCO conference in Nashville, TN this summer. We are moving many of network courses to a blended-hybrid format (using Cisco's guidelines).

Enrollment has been pretty steady; we do hear positive feedback about our redesigned program which is encouraging and also enrollment in our Career Exploration CIS100 course has doubled, which is an excellent indication of interest.

We are proposing to add gaming courses to our curriculum and are interested in the discussion at OCCC concerning gaming.

MHCC has just officially completed an articulation with OIT for a transfer program from our CIS program to a four-year BS Degree in Operations Management. We are very excited about this opportunity and already have several interested students.

Central Oregon CC (Peter Casey)

COCC is now using Illuminate to record class sessions. It requires the Java Runtime Environment, but has small file sizes and the data files are hosted on the server site.

Chemeketa CC (Mitch Fry)

Chemeketa reports that enrollment numbers are good.

Linn Benton CC (Linda Carroll)

LBCC reports that they have an open faculty position due to a sudden retirement. In addition, the contract is still not resolved and bargaining continues.

Umpqua CC (Sue Goff)

Computer Science - Due to very low enrollment, we have

gone to an every other year offering of the CS161/CS162 classes. We also added them as hosted classes as an alternative for the few students we do have. There is also a possibility that we could gain enough engineering students needing to take the classes that we could reinstate them in the future.

Computer Information Systems - We added a capstone project course to the curriculum that will be offered for the first time in the spring and have also added a two credit CWE component. We have added Oracle to our database programming classes. We have a very small 2nd year class and an average sized 1st year class. The overall FTE for the college at this point for fall term is close to flat to down 1%.

Of Interest - Our IT department is in the process of becoming an ISP for the local area and is looking to partner with CIS to develop some type of training opportunity for our students. This may be offered as an elective class at first, or may fit with either the above mentioned capstone course or CWE requirement. UCC is over half way through migrating to Banner and is also in the process of switching from Novell to Microsoft based networking. We are also migrating from Moodle to Angel for our course management software.

Lane CC (Jim Bailey)

Enrollment appears to be level to slightly up this year. The CIT department shared with the Geology and Geography disciplines in receiving a three-year NSF grant of $770,000 to develop GIS courses. The department also received a $49,000 grant from Lane County economic development funds to help create a new program in game development. We have been approved for a three term game programming certificate and are in the process of applying for a two year AAS degree in game development. We are also working on a new certificate in network security.

University of Oregon (Jane Ritter)

Enrollments are up in the intro level sequence for major by 10-20%.

The following tracks have been approved as specialization areas within the CIS major:

1. Interdisciplinary: computational biology, bioinformatics, computational arts: multimdedia, business information technology (in partnership with strong UO departments and professional schools)
2. Computer science tracks: networking, database and informatics, software development; Coming soon: HCI
3. LCC and UO are developing a coordinated game development curriculum.
4. New Career Mentorship course (talks and tours)
5. Podcasting mini-courses being developed for common topics and tasks, currently at 100 level.
6. Retention: pair programming introduced this year into intro Java sequence; tutoring by Women in Computer Science group
7. Community College articulation issues:

Reminder: CIS 210,211,212 are equivalent to community college CS 161,162,260

UO will work on articulation into CIT minor (Computer and Information Technology)

COCC would be enthusiastic if UO Cascade Campus in Bend offered CIT

Rogue CC (Mark Bony)

Rogue CC reports that there are cuts being made in the program.

Oregon Institute of Technology (Jay Bockelman)

Enrollment: OIT continues to experience declines in enrollment, both in terms of the number of enrolled students (headcount) and full-time equivalent (FTE) enrollment. However, this is not reflective of the trends in the Software Engineering Technology program, which has seen slight improvements in enrollment - both in Klamath Falls and in Portland. OIT has been approved to offer a new degree in Embedded Systems Engineering Technology. The first two years have basically a common core with the existing Software and Hardware Engineering Technology

degrees, and then provides specialty classes in the 3rd and 4th years. The Renewable Energy Systems BS degree (http://www.oit.edu /default.aspx?DN=4513,4504,4503,1,Documents), housed in Portland, continues to experience phenomenal interest and growth from around the country. They have built new labs and continue to hire new faculty.

Blue Mountain CC (Ron Wallace)

Fall Enrollment in CS120: On-campus (2 sections) = down 6 students; Dist. Ed = up 3 students; Total = down 3 students. The change might be partially due to moving one of the daytime sections to a night class. Note: Four years ago we had 4 on-campus sections plus dist. ed. (twice as many students).

No other CS courses this year until Spring (CS161 & CS195 will be offered).

A Computer Literacy requirement for all degrees was passed last spring. It will be implemented for all new students as of Winter 2007 (recommended for all other students). The requirement includes 2 options: (1) Pass CS120 or BA131 or any other approved course (must meet or exceed the IC3 standards); or (2) Pass all 3 of the DCC Testing Center IC3 practice exams distributed by Teknimedia (http://teknimedia.com /html/ic3_prep_tests.html). This term we are having all on-campus CS120 and BA131 students take the practice exams at the beginning of the term and at the end of the term. These results along with their grade in the class will be used to determine a passing score.

Portland State University (Cindy Brown)

Our ABET accreditation was renewed in Summer 2006. (The visit was Fall 2005 but these things take time.)

Our certification as an NSA Center of Excellence in Information Assurance Education was also renewed last year.

We are experimenting with online classes, at the urging of our Provost.

No gaming classes yet but we do have a computer gaming expert (Wu-chang Feng) on our faculty.

Enrollments seem to have leveled off and are even starting to inch back up.

Clackamas CC (Steffen Moller):

In 2005-06, the biggest update to the CS department at Clackamas Community College was the retirement of Linda Anderson after many years of service. She sends her best wishes and not a bit of regret!

In other news, existing courses from CS, Art, and Business were used to create a Web Design Specialist certificate of completion and a Web Design & Development Specialist AAS degree. Officially approved by the state in May, both programs are listed in the 2006-07 catalog. As part of the process, CS faculty developed 4 new classes: Digital Photography, Application Support, Business Strategies for Computer Consultants, and Flash Animation. The program development will be facilitated this year by the 'New Media Arts' instructor position created and filled by the Art department with input from the CS department.

New workshops were offered (Network Security for Home Users) and existing MS Office workshops were restructured to a self-paced, supervised-lab format. Students are offered their choice of instructor-supervised lab times to attend. This new format, along with increased involvement from WIA, has led to a significant increase in workshop enrollments. Non-transfer credit offerings in Spanish were also expanded with a Spanish-language web design and database course. Faculty and former students are working on curriculum for an Advanced CSS Techniques workshop as well, in response to feedback from advisory committees.

Although CCC has not re-implemented a computer literacy requirement for a general studies or transfer degree, counselors are now steering students to take a computer literacy placement exam developed by the CS department as part of their initial battery of math, reading, and writing placements. The placement test is based on the IC3 standards for computer literacy and has been normed to our CS 90, CS 91, and CS 120 courses.

Over the summer 100 new computers were installed in lab areas, in time for our accreditation visit this October. CCC weathered accreditation well, with four initial areas of commendation and three initial recommendations for improvement. We look forward to the results of the final accreditation recommendations in January, 2007.

Overall college enrollment displays a small upward trend (+2.3 UTC between Fall 2005 and Fall 2006), although this is balanced by slightly lower FTE figures. Departmentally, we have a significant increase in enrollments in our first year program classes (Operating Systems I, Computer Tech Orientation, etc.)

Southwestern Oregon CC (Diana Schab)

SWCC reports that enrollment is flat. They have added security classes, and have changed the AAS in System Analysis to Project Management. SWCC also reports a title 3 grant to fund a live help desk with students.

Portland CC (Taylor Hanna and Colin Goble)

Enrollment at PCC for fall term is down 2.3% and for CIS it's down 1.3%.

CIS faculty will be developing and offering new courses in wireless networking, wireless security, computer forensics, network security, network security tools, PHP web development, and software project management.

CIS 120 and 121 still have a college-wide audience as general education courses. CIS 122 continues to draw a majority of business majors.

Oct 21, 2006

Numbers	ENRL	% of Total
On-Campus Totals	529	50.5%
DL Totals	648	58.6%
CIS Totals	1177	54.7%
On-Campus/DL Ratio	4/5	6/7

The main news from Computer Science at PCC is that

enrollments are up 10% to 15% year on year. The new initiatives in gaming and online delivery have been well received. CS 160 has been reworked somewhat to make it more engaging for new students. We are using Virginia Tech's online instructional materials (http://courses.cs.vt.edu/%7Ecsonline/) and Ceebots (http://www.ceebot.com/ceebot/index-e.php) as an intro to programming concepts.

Oregon State University (Elizabeth Odekirk-Hash)

CS 151 is no longer required. IS option now uses MTH 251 and MTH 252 and ST 314 instead of MTH 241 and MTH 245. All options need CS 275. All students should have CS 160. Students who do not take CS 261 here need to know C (not C++)

C Programming Background: The following concepts and skills from C (not C++) are needed before enrolling in CS 311 or ECE 375 (at OSU they are taught in CS261, Data Structures).

- pointers (single and double dereference, address of)
- C-style strings (character arrays, not STL strings)
- reference parameters implemented as pointers
- input and output using printf and scanf
- bitwise operators
- booleans implemented as integer
- structs and unions
- debugging array overflow and complicated pointer misdirection
- finding memory leaks
- basic unix commands, compiling, and makefiles
- understanding of stack frames
- understanding of single and double dimensional array storage in memory
- pointer to a function

Southern Oregon University (Dan Harvey)

SOU reports a new Science building and a new multimedia track. Their Exploration class counts for science credit, and they now have two-way distance video that can be offered to high school seniors.

Meeting Business and Announcements

Bruce Shafer, Executive Director of ETIC, requested help in the distribution of a student survey. This survey attempts to determine what prompted some students to choose Computer Science as a major and what caused some students not to choose Computer Science as a major. The survey is available both on the web and as a hard copy. Bruce will sent e-mail with more information.

Susan Boyanovsky had several questions regarding course numbers for recently submitted classes. The following decisions were made concerning course numbers

- For non-programming gaming classes, that is classes that make use of a gaming engine, the course number sequence 125X, 135X, 235X should be used. Gaming classes that involve student programming should continue to use the 133X, 233X, 234X sequence.
- The course number 184, Workstation Security, was approved for use. This would be for introductory classes regarding personal computer security issues: learning about firewalls, computer viruses and spyware programs, learning about wireless access and its risks, etc. Further classes in this area should then use 284, Network Security I; 285, Network Security II; and 286, Network Security III. The essential difference is that a class numbered 184 would deal with the individual user and the security of his or her individual computer as opposed to the security issues with which a network administrator would need to be concerned.
- It was decided to add an 'X' to 102, Computer Fundamentals II. This number could be used for various general service classes covering computer basics but not intended for majors. In general, it was felt that numbers between 101 and 110 were good to use for general service classes.

Next Meeting

The Spring, 2007 meeting will be hosted by Chemeketa CC. The tentative date for the meeting is May 4, and Mitch Fry will be the contact person.

Meeting notes submitted by Bob Broeg.