

## **OCCC Minutes**

**October 22, 2010 meeting, hosted at University of Oregon (Jim Allen), chaired by Molly Shor**

### **Reports from Colleges**

#### **Bob Broeg– WOU**

They have around 6000 students (unofficial numbers), with a large number of international students. Numbers seem to be going up in CS & IS. MIS had large jump in enrollment.

#### **Dodi Coreson – Linn-Benton**

Classes are over 95% full. They can't grow a whole lot more. There is less money from the state, more students than ever. College is looking at creative ways to cut expenses, look at cutting courses out of non-transfer degree programs at 98 and 100 credits back to 90 credits.

#### **Scott Quinn – PCC (CIS program)**

Similar financial challenges to LBCC. They recently passed a bond so lots of new construction going on. Their biggest challenge is to make sure classes aren't overflowing. Less support services. Less financial aid. Students are hurting financially.

#### **Michael Young - UofO**

Creeping up in enrollment. Academic year distributed software engineering course used teams of students, 4 located in Eugene, 4 in Beijing, that worked on distributed computing project with 1<sup>st</sup> year graduate course - global distributed software project. Summer school in Beijing; hope to do another one next year based in Eugene, funded with NSF grant

#### **Juliet Long – RCC**

Still seeing large increases in enrollment for the college and CS programs - both in transfer and applied degrees. CS department has 20% increase in enrollment this Fall, 1212 students in CS classes served by 4 FT faculty and rest part-time.

#### **Colin Goble– PCC (transfer program)**

12% increase in CS, good percentage of students taking classes online, trying to make curriculum more exciting with Android programming and iPhone courses but students seem to be focused on minimum required to transfer

#### **Larry Scott – Lane CC**

40% growth last year, more growth this year but not as dramatic (7-8%), two year degrees are taking most students three years to finish – continuing to add courses to meet employer skills needs, students are ending up getting multiple degrees, bulk of enrollment increase is in two year degrees, bond project \$150 million about 30% through, 1<sup>st</sup> week of term moving into classes without computers, offices without phones and computers, also moved into thin client lab experiencing tech problems, Health Informatics new program – engaged in 6 month training high tech program, funded for 40 students, most online with Saturday classes, filled rapidly, started this Fall two year AAS in Health Informatics, lots

of interest from students, starting web development program, moving to .NET and C#, part of bond developing downtown center, moving to digital campus – make things more available, just brought on portal to centralize services

#### **Rick – Clackamas Community College (Deborah couldn't make it)**

Same increases as others mostly in first year of programs, working on strategies to increase numbers in second year programs instead of just service programs, moved to Moodle for online course management, trying to offer some Mac OS courses for Art dept. and others

#### **Chris Williamson SWOCC**

Enrollment is about same as last year, HS graduates declining so not seeing as many coming from HS, had some increases last year from layoffs and retraining, believes CS enrollment is down, 5 full time faculty 3 years ago, now 3 FT, last year changed programs to model something similar as Chemeketa – different specialties within AAS degrees, allowed students to tailor degrees, students need more advising because of some confusion, but believes it will work out better in long run, introduced Kathryn Olls new member of department – looking to talk with people about computer forensic, cybersecurity

#### **Mitch Fry – Chemeketa**

Student population up 4-5%, CS classes completely booked, may have to start opening new sections, new program format seems to be working well, students have adapted, transfer numbers up

#### **Jay Bockelman – OIT (Portland Campus)**

OIT in Portland growing quite significantly, K.Falls flat, biggest reason renewable energy program, OUS just approved Masters, lot of interest in that area, embedded Systems Engineering degree was only K.Falls, now offering in Portland (focus is on middle layer, not hardware or apps), going to move into Infocus building in Wilsonville in 2013 to have single site (currently 4 locations in Portland)

#### **Molly Shor - OSU**

CS enrollment coming up some, taking top incoming students and interviewing them for “Learning Company” project, these students put in special sections of intro course and given extra projects, good numbers in transfer students, lots in simulation & game programming, started to offer CS101 online through eCampus and CS391 online. Creating CS/ECE151, ECE152 in C for Engineering program, 2<sup>nd</sup> term get C++,

### **Discussion Topics**

#### **Discussion on introductory programming courses, incorporating testing into curriculum – U of O**

Ideas floated: Have students identify good test cases – boundary cases – and to make sure that they understand why they are most often where errors appear. Have students automate test cases. “Develop a little; test a little” mantra. Design with testing in mind. Format so easy to debug.

Discussion led to agreement to use the Wiki to create new curriculum ideas area – add discussion area for incorporating testing in CS161/162; Mitch Fry will create Wiki page to collaborate on materials.

### **Web Server Technician Course CS187i – Portland CC (Sylvania) –**

Created 100 level course geared towards those doing minimal management of web server CS199W, looking for approval for using CS187i for basic web server course (not administrator)

Target audience – web technician, people who working in web environment but may not manage server, communicate with web server admin, need to be able to communicate needs with web admin, intro to Linux and Windows interface, understand what is DNS, FTP, Sequel.

Motion moved and approved to use 187i for web technician course

### **Cyber security – Kathryn – SWOCC**

Looking at adding 3 Cyber security courses, possible Pathways certificate as part of AAS degree

- Introduction to Computer Forensic and Security
- Network Security (match with CompTIA)
- Computer Forensics

Course development based off of the government requirements.

Chemeketa has CIS186 for Computer Forensics, PSU has people doing research in Computer Forensics at graduate level, PCC has security certificate also, SOU has 4 year degree in Computer Security and Information Assurance, Lane has Network Security certificate add-on to network degree – all 200 level courses, prerequisites prevent offering to business & police employees without previous computer background.

Hard to find qualified instructors for these courses, looking at blended course approach, look at host/provider system for sharing courses.

### **Portland CC just converted from Blackboard to Desire to Learn**

Anyone have online course management issues/experience?

Clackamas, Linn-Benton, Lane moved to Moodle. (Different Moodle users use different providers, which provide support for system. Moodle plays well with BANNER.)

SWOCC and RCC use Angel

Push at PCC to get Desire to Learn shell for all courses.

### **Discussion Meeting Format – Mitch**

General structure like today's agenda, do we want to continue this? Suggestions for improvements, like campus reports, keep to about one hour, could have special interest topics via phone conference, look at ways to increase attendance – different technologies – IP video, Skype, Eluminate, Adobe connect cloud, especially useful for breakout sessions – need to bring specific people together.

### **Health Informatics Summary Report – Larry Scott**

Quick update from Larry Scott

OIT has 4 year degree

OHSU has Master's Degree

Statewide AAS degree in place now – everyone is included in consortium, PCC is leading program – Lane, PCC, Umpqua, Chemeketa are offering degree– Mt. Hood, LBCC are adding to catalog

Working on High tech initiative – national curriculum, 6 month short term training

Lane moving some of that training into permanent courses and into two year degree  
How are individual schools providing courses they are not offering? Working to make every course online so all CC's could offer degree with either in house or online through PCC (host/provider interim model), long term plan to develop statewide pool, issues with financial aid need to be resolved

List of host/provider courses available: <http://www.oregoncollegeonline.com/>

Job market outlook for informatics is good, not just temporary but continuing careers in the field  
Significant national demand expected – 50,000 trained people needed

Lane has 5 new courses being proposed with more Health Informatics focus instead of CS/IT focus.

### **Business Items**

- Next OCCC Chair – Colin Goble PCC was selected as the next OCCC chair
- Chemeketa will host Spring Term meeting – Mitch will check availability for May 6<sup>th</sup> or May 13<sup>th</sup>
- Swenson Award – Jay will chair selection committee; or current Swenson awardee David Todd should chair (tradition!)
- OCCC group photo taken on UO stairs

### **Afternoon Breakout Sessions**

- Cybersecurity
- Articulation Agreements – RCC/UofO, LBCC/OSU, Chemeketa/OSU

### **Items referred to Spring 2011 meeting:**

Review CS class outcomes for topic of testing.

Computer Game Simulation Discussion – small group discussion for afternoon – UofO, OSU, Lane, Mt. Hood, PCC, SWOCC

### **Minutes provided by Juliet Long**

Rev: Molly Shor (10/26/10)

