

## Oregon Council of Computer Chairs

Fall 2024 Meeting

Friday, October 18, 2024

**Presiding: Marc Goodman, Portland Community College**

### *Attendees:*

Dustin Bassette, Jamie Mason, Jenn Goudreau, Joseph Jess, Karla Fant, Kathleen Freeman, Marc Goodman, Mitch Priestley, Rocco Charamella, Ron Bekey, Stefan Andrei, Tim Harrison, Troy Lanning, Tyler De Adder, Wayne Machuca

### **Agenda:**

#### *Progress on Cybersecurity Policy and Management Degree, Shawn Smallman, PSU*

- Starting a 2+2 program. Been going on for 4 years. CAE teaching designations. Cyber+ - Cybersecurity professionals learning other skills such as taking courses in National Security. There are currently 35 courses available. They are looking at having suggested loads. It is a Policy and Management degree. They would take students with an AAS degree in Cybersecurity or Computer Science/IT with a course in Cybersecurity. The degree is a Bachelor of Applied Science Cybersecurity Policy and Management.
- <https://docs.google.com/document/d/1Sde1pabQHPxcmqW2zc8387POTwhXb-sKDsmcTqmJ9TQ/edit>
- Interested in feedback:
  - Setting students up for careers.
  - Careful to be aware of transfer issues.
- Timeline of when to start sending students into the program. Looking at starting to submit students in Fall 2025.
- There will not be a focus on technical track. Instead of formal tracks they'd have suggested choices so that the students can plan their career goals.
- The program is not available at this time online because of the cross-discipline nature.

### **Institutional Updates:**

#### *Jamie Mason – Southwestern Oregon Community College*

- Enrollment is trending up – 30-40 in 160 and 10 -15 in the 3<sup>rd</sup> class that make it all the way through.
- Phasing out the IT program because of failure to hire and low enrollment issues.
- Asynchronous modalities because most students did attend.
- Lively discord servers. Get points for meeting with groups. Expanding assignment types to make an AI tutor tailored to their program. Interested in creating an assignment where the AI will assess the students knowledge.
  - Discord bot that monitors the students who log into the server.
  - Having it being an engagement grade so this would help with that.

- How they engage with the AI Bot.
- Degrees: Just got the Associate Science of Transfer degree in the catalog. They had to bring back Discrete math.
- CS 205 in the spring and looking at collaborating with others. Looking at changing rooms around. Square model so that there is screens on the floor with the “board”, when they look across they see students and there are owls that would show each student as they teach.

#### *Kathleen Freeman - University of Oregon*

- UoO nothing major to report. They have had their majors for a while and are gaining traction. Data Science and Cybersecurity are doing well.
- Numbers are continuing to increase in Computer Science.
- There is research going on in AI and Machine Learning but not any plans in the works.
  - Questions: What are schools doing with learning assistance in classrooms?
  - PSU email asking to send syllabus for CS161. Look at getting copies for this group.

#### *Jenn Goudreau - Lane Community College*

- Fall to Fall enrollment is UP 8.1% with the CIT is down 7%.
- The new AI class started over the summer and is getting a lot of interest.
- Our Year-Round Registration is interesting. Beginning May 25, we will open an entire year of registration.
- The business department Bachelor of Applied Science Degree in Business is started with a full cohort of 35 and the Winter term also has a full cohort scheduled. They decided to not offer starts in Spring this year.
- The most of our classes are offered both online and in person.
- There are plans for a new Cybersecurity lab.
- We held a summer computer camp for middle school students over the summer, called CompuCon. We had sections with Game Development, Web Design, App Development, Programming Robots and Computer Graphics (they made fun stickers!). We had 40 students, and we got a lot of feedback that they want to do it again next year but for longer. The camp was 4 days for 3 hours. The camp was funded by High School Connections/College Now and a one-time state grant for CS education administered by the Lane STEM Hub (part of Lane ESD).
- The new ITEC building is scheduled to be complete and starting to classes in January 2025.

#### *Joseph Jess – Linn Benton*

- Was at Linn Benton but their program is closed. The policy at school is that they have to wait 15-18 months to bring back the program without inviting back the faculty
- Joseph is working at OSU full time.

### *Marc Goodman – Portland Community College*

- Just did a survey of Gray System. Updating from banner to workday. Able to use the system to get direct costs for instructions and track total number of students. You can look at all the different options for where students are in programs and where the money is going. CIS 700+, Cybersecurity 223 students – 5000 student credits/year 140 2300. New degree 78 and 1300 credit student hours.
  - Can compare modality rates. Look at individual courses and such.
- Year over year their enrollment was flat.
- Had a surge of enrollment at the beginning of the term.
- Synchronous online courses.

### *Tyler De Adder – Oregon State University*

- The biggest increase is in the Online program with over 1000 students.
- Getting more interest in in-person.
- They are still hiring.
- They offer a lot of e-campus and in-person programs.
- The College of Engineering is still working at getting more programs online. Starting this summer. Civil Engineering is going to e-campus as well.
- Sunsetting cybersecurity certificate near the end of term.
- Not a lot of demand because they are having the Cybersecurity degree.
- Computer Systems are still in work for eventually going on-line. Applied, and Cybersecurity. Looking at AI option, but only in conversation stage.
- General Education is switching to Core Education in summer. It is still in flux.

### *Tim Harrison – Eastern Oregon University*

- Small decrease in enrollment because they had a large senior class that graduated.
- Online and on campus programs
- 3 programs – CS/Cybersecurity (completely online) and Information
- 2 full time faculty online the rest in person.
- AI Ethics course with another department.
- Data Analytics in the Math department, with little interest. Looking at moving the program under Computer Science. Thinking that maybe there is an issue with name where people are looking for Data Science.
- Cannot have tenured faculty full time online so they have to be instructors because of the Union. The union was stating that people who are online cannot perform as well as in person. Dealing with old thinking.

### *Nick Insalata - at Portland Community College*

- Enrollment was down 3%.
- 50/50 online to in-person looking at changing that to see about getting more enrollment.
- Full slate of faculty.

- MTM – offering the degree AAOTCS in the works.
- AI Tutoring system – currently for a grant for a project for creating a similar program.
  - Had a grant for AI research with a ½ million for equipment. They want to use them to create a local program.

### *Troy Lanning – KCC*

- Enrollment is up 15% from 2 weeks. In the programs down slightly because there was a large increase last year. They didn't keep most of those students. Reasons: Needed to work, didn't have the technology, or they didn't like the subject.
- Not currently recruiting any one as faculty. They have to grow their own since most don't want to move to Klamath Falls. The Cybersecurity position hasn't been filled in over a year.
- Converting classes to hyflex model. Pre-record lectures in a nice format. Everyone gets it online. Classroom lecture becomes a flipped model. They can bring guest speakers, walk through specific labs, and lab time. Net lab solution that they can do from home. Students get to pick how they attend.
- Advisory team meeting to discuss re-organization of Cybersecurity and Networking degree which will affect their other Computer Technology and Engineering degree. Adding python for Cybersecurity and assembly for Networking.

### *Dustin Bessette - Blue Mountain Community College*

- AS Course are doing well and stacked with numbers. Up 30% more in numbers in Computer Science.
- They have a bond coming up that they are trying to put in place to get upkeep on the college on repairs that haven't been done in 50 years.
- Hired a new Faculty Eddie.

### *Mitch Priestley*

- BS CS doing well and causing the cs to increase.
- Recruiting faculty in CS205 a spring based web class. They have to be online certified.
  - Internal certification through online learning environment. A shell with a learning mentor that they have a quarter for training to build the course in the quarter to conform of the look and feel and elements that are required for the online experience for students.
  - They don't use Quality Matters. They use a brief version but not the same.
  - 10-week program with a stipend for completing the certification.

### *Rocco Charamella – CIS at PCC*

- College enrollment was up but CIS was flat.
- Cisco and Python certificates that are less than a year old. Cisco can be completed fully online.
- They always seem to have openings at PCC.

- Learning assistance with embedded tutors. They have an open online lab that is all managed through discord server.
- Perkins grant to get loner laps and dealing with the IT department that are actually useful with the students.

### *Karla Fant – Portland State University*

- Facing a deficit of 18 million dollars. Given the task to fix the issue.
  - On October 15<sup>th</sup> notices were sent out to non-tenure track faculties who got notified that there will be layoffs, and the notification will be sent on December 15<sup>th</sup>. The dean of CS said there will be no layoffs for their department. Using DFW rates to layoffs.
  - Incentivized Retirements
- Ways of getting assistance:
  - Two embedded tutors to tutor students. Online and in person.
  - Code parties. They come and program and if you have questions there are people that will help. Only in person.
  - Online homework assistance.
  - More tutors. Doesn't know how it is affecting the DFW rate – Grades D, F, or W rates.
  - The department provides Teacher Assistants as well.
  - Technical Assistants for the labs. They are required to attend the labs.
  - And graders.
- Coding sprints last part of class to guide them through the programming process.
- Uses Discord for each of her classes.
- Online classes are not full because more are going back to in person classes.

### **OCCC Business**

- OCCC Mailing list
  - Rolled into a google mailing list.
  - Using PCC address.
  - Can have multiple managers on Google Groups. OSU group was managed by them and there has been hassles with if it is working and adding and removing it can be challenging.
  - Reviewed Group rules.
  - “There is no formal process for membership in OCCC. Every community college and public university in Oregon is entitled to representation in the group. Many colleges send separate representatives for their CIS and CS programs.”

#### **Action Items**

- *Each representative contact people from their school if they want to remain on the list.*
- *Contact schools are not represented to see if they want to join.*

- Next Meeting Date and Location
  - At Lane Community College – April 25<sup>th</sup>
- One-pagers for our schools
  - Profile pages about the schools.
  - Marc is going to make a google form for questions that would be added to a page information.

## Discussions

- Laptop Loaner Programs Ron Bekey at PCC (See slide below)
  - A lot of students don't have access to the resources that they need to be successful in the program. There is a disconnect of saying that the programs are available for all students, but it isn't true with students who don't have computers.
  - At the program review they asked about creating a loner program of high-end laptops.
    - Check out the system.
    - Licensing for software
    - Permissions to install software.
  - Karla from PSU
    - Got 20-25 laptops in a cart that they roll around to classes.
      - They don't last long (10/year) they'd have to repurchase.
      - They get old
      - Refurbished didn't work well.
      - Not cost effective.
  - Jenn from Lane
    - We have a system where we loan out ~10 machines that are older.
    - There is a Lab manager who has lab assistants that manage the images on the machine. The students get admin rights on these machines. Our Administrator Assistant is the one who is in charge of checking in/out the machines.
  - Required for the program is important for Financial Aid and Vet services.
  - Mt Hood has a laptop program through basic needs program.
  - Question about licensing
    - Azure Dev Tools for Teaching.
- Survey of IT Policies
  - Bring Your Own Device
  - IT Administered Devices
- Survey of AI Policies
  - Working on institutional policies with AI.
  - Should each instructor have their own policy? Or a universal policy?
  - Use AI to be a tutor as opposed to giving you the answer. Walk through the process of putting the code together.

- Use it as a way to get a different verbiage explaining the problem and solution.
- A work in progress from Marc Good  
[https://docs.google.com/document/d/1pO4UJIBfq\\_9q20MGwLYIzwWVPdTifuH84UtpblhKaQQ/edit#heading=h.krckvpkx2ltw](https://docs.google.com/document/d/1pO4UJIBfq_9q20MGwLYIzwWVPdTifuH84UtpblhKaQQ/edit#heading=h.krckvpkx2ltw)

## Laptop Loaner Program

Ron Bekey, PCC

- Digital Divide: Some Students don't have sufficient equipment
- Laptop Loaner Program
  - Perkins funding for ≈10 Laptops.
- Goals
  - Laptops loaned for an extended period (minimum of one term at a time)
  - Students can install course software on laptops (IDEs, Databases, Drivers, Virtual Machine images, etc.)
  - Machines are reimaged on return and loaned out again
- Issues
  - IT Policies (exception?)
  - Tracking system
  - Insurance? Repairs?

