

Fall 2019 Quarterly Report

Computer Lab Management

Prepared by Tim Leamy

Computer Lab Management (CLM) operates 22 computer rooms across the UC Davis campus. These consist of 15 computer classrooms and 7 open access labs with a total of 668 installed stations. CLM also manages seven departmental computer rooms with 154 installed stations for the UC Davis Language Center and The Arts Admin Group.

Some of the significant items from Fall 2019 include:

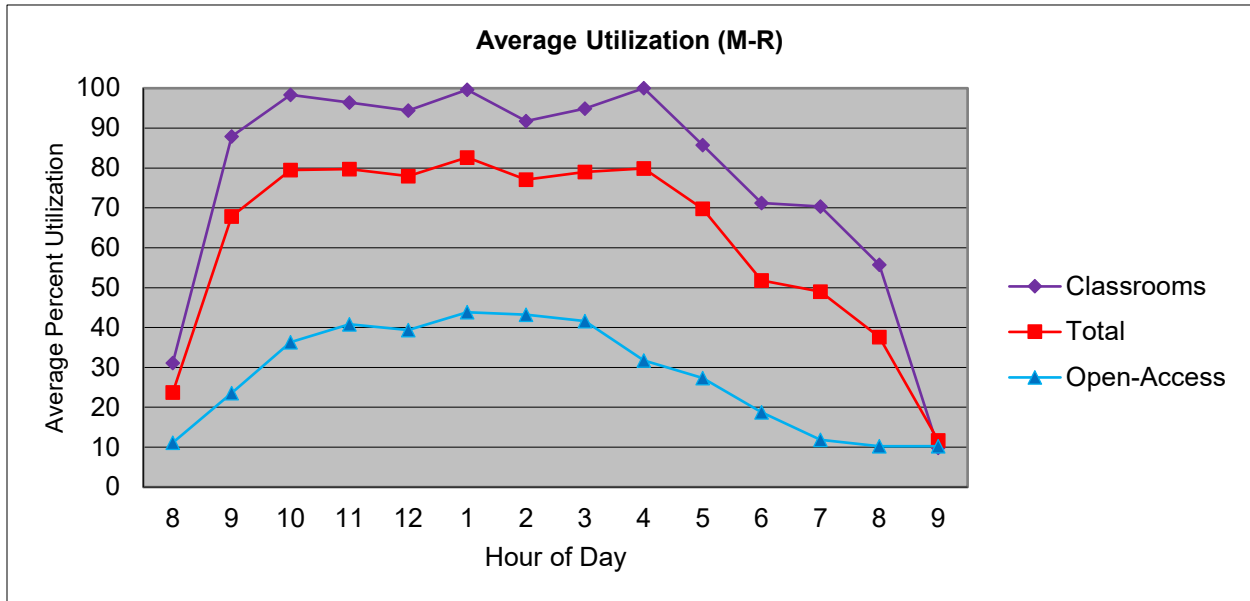
- During Fall 2019 there were 6,293 hours of instruction reserved in the computer classrooms. The new classroom in 0347 Storer (opened Summer 2019) added 440 hours of use. However, we saw a much higher number of late class cancellations (597 hours) so the total hours only increased by a moderate amount.
- CLM updated the laptop connection to projection systems in all computer classrooms. We replaced the DVI cable in all media cabinets with a HDMI cable plus adapter ring (Mini Display Port and USB-C adapters). This will allow faculty to connect almost any recent laptop without needing to bring or check out a video adapter.
- CLM upgrade several significant software applications during Fall quarter and Winter Break - Adobe CC 2020, Rhino 6, Blender 3D 2.81a, DaVinci Resolve 16.1.2, and Matlab 2019b. In addition we made minor updates to other applications such as web browsers, Java, etc.
- The Arts Admin Group (TAAG) asked CLM to take over the backend software management for the drop-in computer lab in 205 Cruess. We worked with TAAG to plan the transition, made backend changes to the software configuration & IP allocation, and imaged their iMacs. The new setup was ready for use at the start of Winter quarter.
- CLM conducted a faculty survey about computer room use. The results are posted at https://computerrooms.ucdavis.edu/pubs/survey/faculty_f19.html. In general faculty were very pleased with the computer classrooms.

Statistical Summary

Utilization

Overall computer room utilization

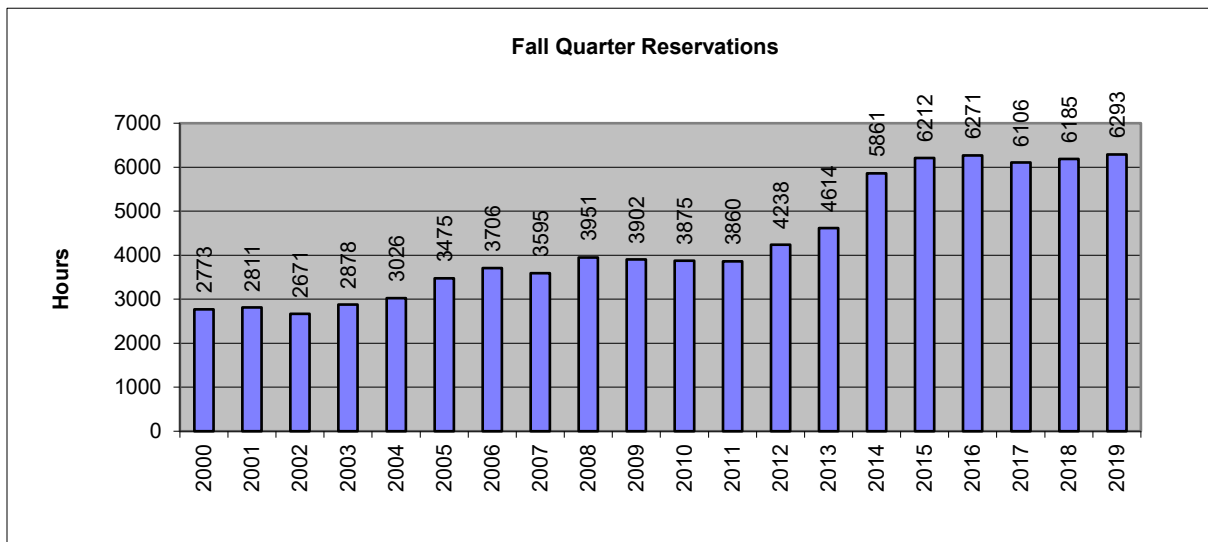
Computer Lab Management operates 22 computer rooms at UC Davis. These computer rooms experience high utilization during peak hours (9:00 am to 6:00 pm). The graph below shows average utilization for classrooms, open-access labs and all rooms for Monday through Thursday.



Classroom use is very high – averaging over 90% from 10am to 5pm. Open-access utilization is much lower.

Class Use

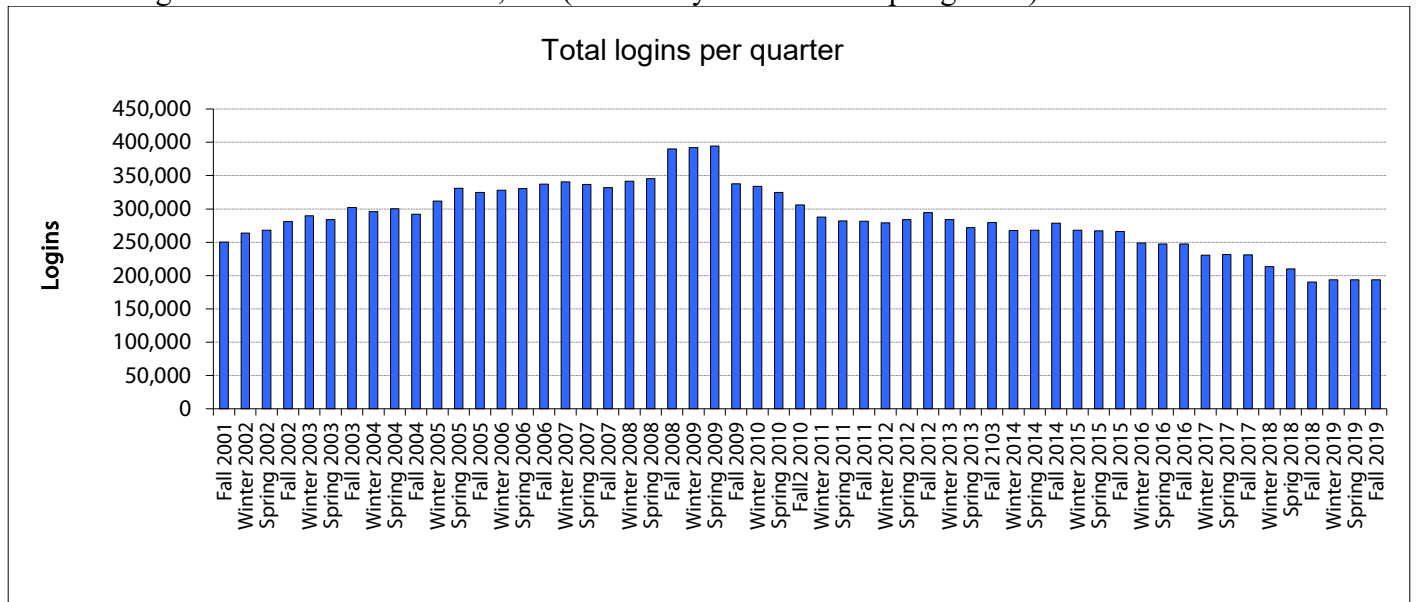
During Fall 2019 there were 6,293 class hours reserved in the computer classrooms (a slight increase from Fall 2018). The class hours were originally much higher but there were 597 hours of late cancellations.



In addition, there were 201 class software installs and 38 class folders created during Fall 2019. Since most faculty have shifted to Canvas, CLM is no longer making class folder by default for UWP classes. Therefore the number of class folders per quarter has dropped dramatically.

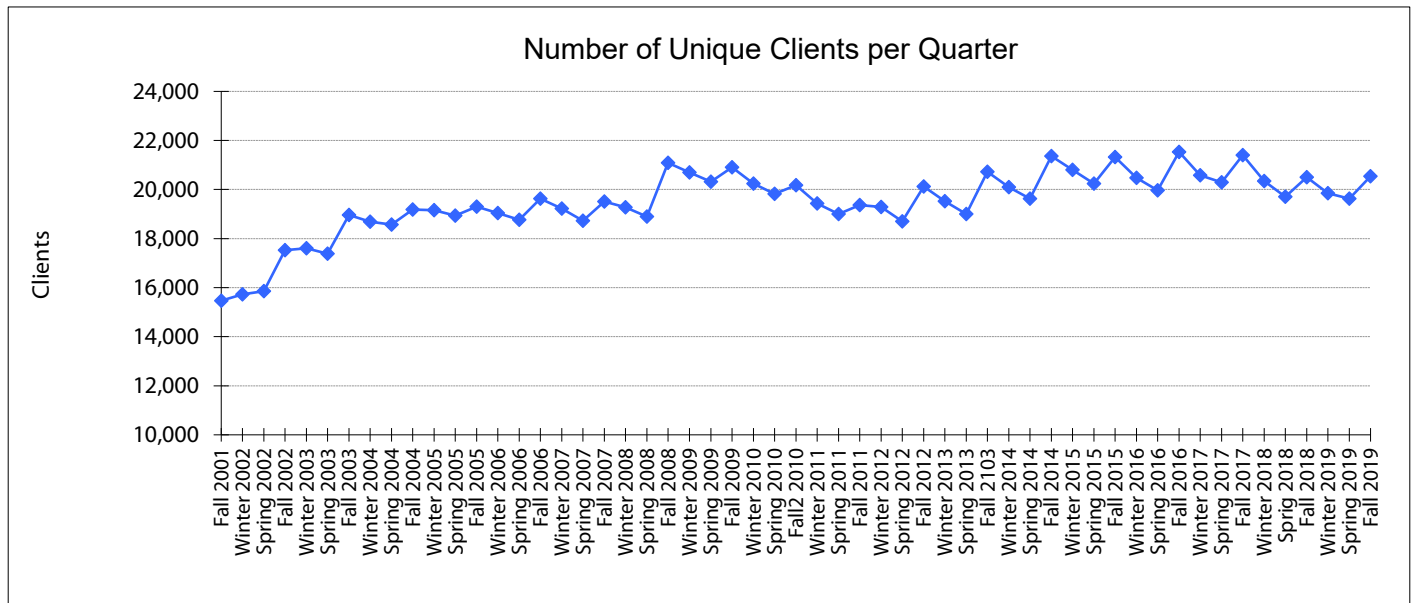
Number of Logins

The total logins in Fall 2019 were 193,827 (essentially the same as Spring 2019).



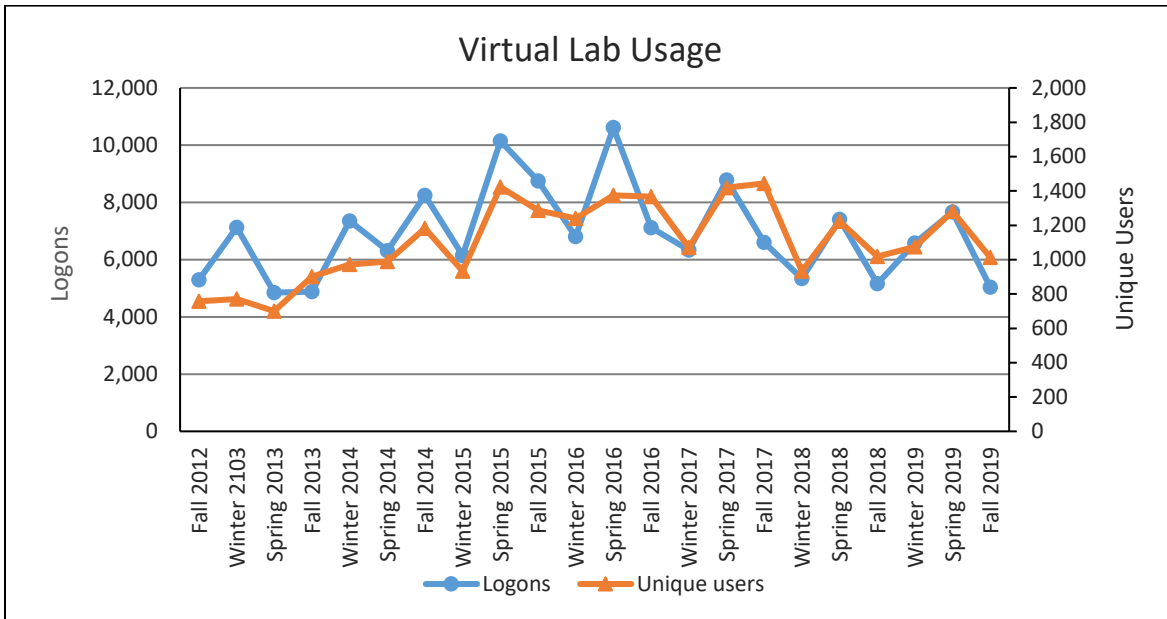
Unique Users

The number of unique clients increased to 20,545 in Fall 2019, an increase of 920 clients from Spring 2019. 20,046 (97.6%) of the unique clients were students.



Virtual Lab Users

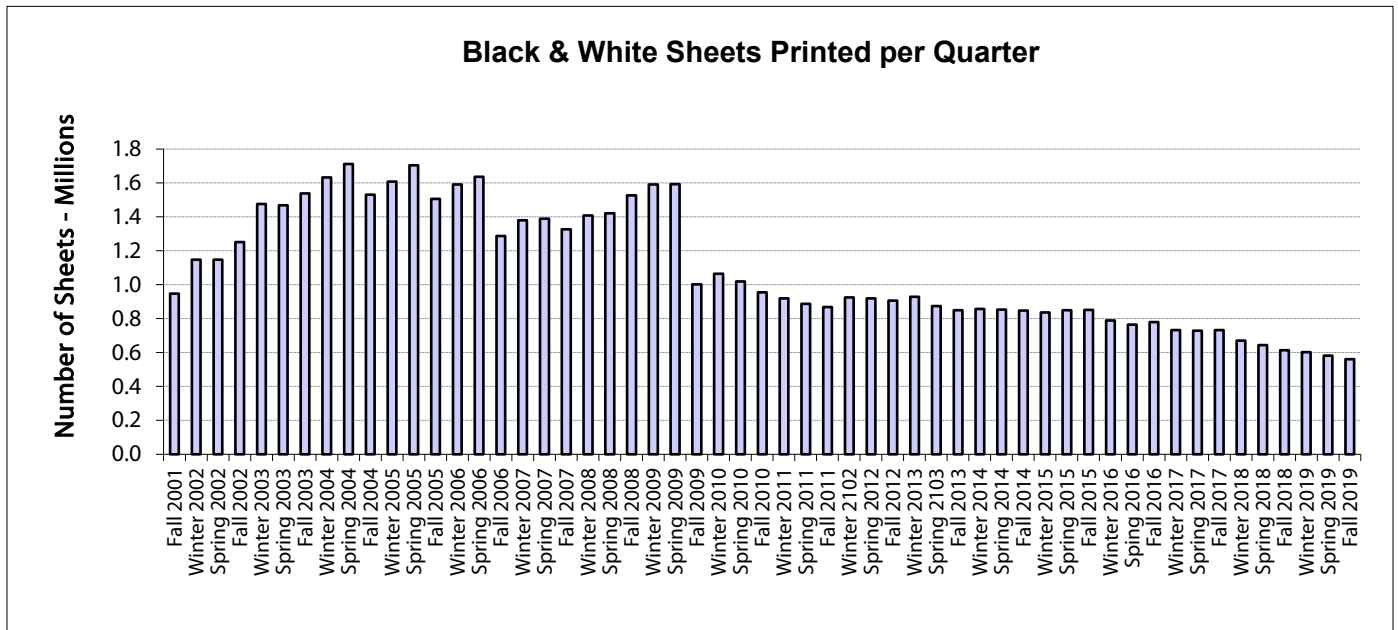
The IET Virtual Lab was used 5,040 times by 1,012 unique clients. Spring quarter typically has the highest number of Virtual Lab logons, so there was a drop of logons and unique users from Spring 2019.



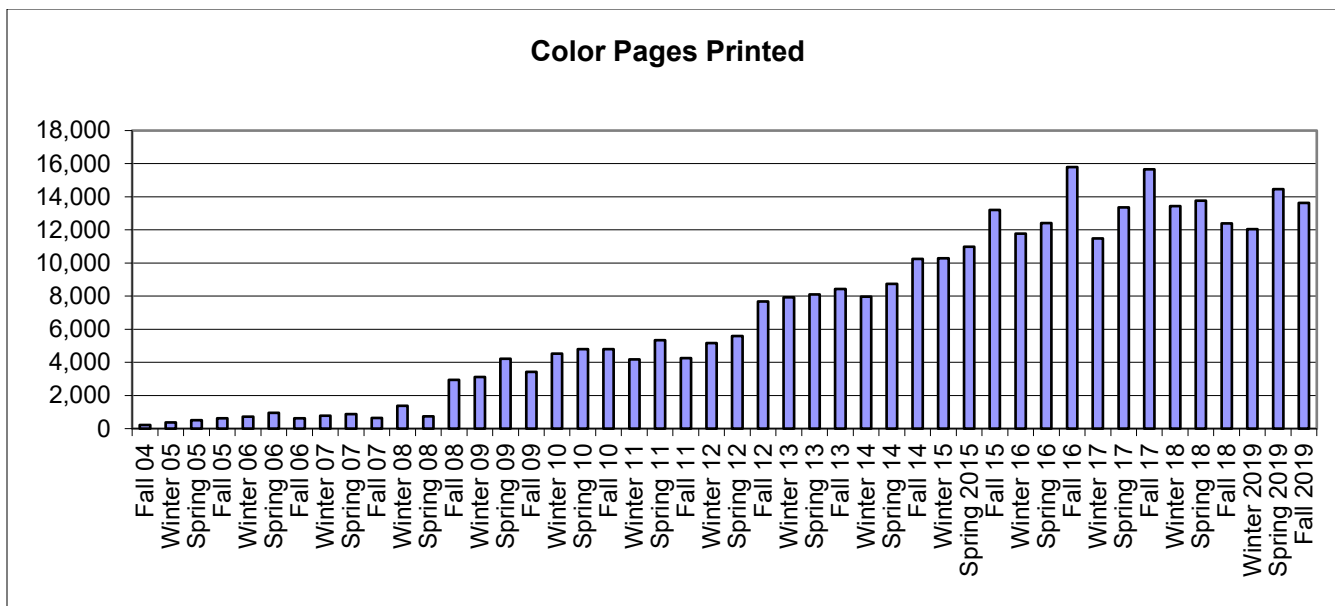
There were 256 denied connections to the virtual lab since there were no free stations. Most denied connections were during the day when there are only very limited number for computers available. The denied sessions dropped dramatically from Spring 2015 (5,572) since CLM made more stations available during the day.

Printing

The total sheets printed in Fall 2019 decreased to 559,962 (a 3.7% drop from Spring 2019). The average sheets printed per client (of those who printed) was 32.84. The number of sheets printed per quarter dropped dramatically from 08-09 levels due to a new printing rate implemented in Fall 2009.



There were 13,628 color pages printed, a decrease of 5.8% from Spring 2019.



There were 4,498 wireless print jobs, an increase of 389 from Spring 2019. There were 622 unique clients who printed through the wireless printing system.

